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Commercial Covers & Rollers

Installation, Use & Warranty Guide

daisy
pool covers & rollers

COMMERCIAL DIVISION

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Part 1 - Installation

Step- by-Step Installation Guide (Manual Systems)

1. How to Install a Commercial Pool Cover

Before You Start

- Ensure the pool surface and area where you are working (and moving pool cover) is clean and free of sharp edges
- Check the cover size and orientation
- Do not use knives or sharp tools to unwrap the cover

STEP-BY-STEP

- Carefully unwrap the cover
- Do not use a knife



Fig 1

- Lay Out the Cover [See Fig 1 and Fig 2]
- Unroll the cover at one end of the pool
- The cover should be folded flat
- Ensure the haul cord end is on top

Hint: *If roller end is on top, good tip is to connect the cover to the roller so you can roll up the cover onto the roller instead of having to pull the cover onto the pool*

- Insert Float Rod (1)
- Fit the float rod into the leading edge pocket
- Secure the rod using the eyelet provided



Fig 2

- Attach the Haul Cord (2)
- Attach the haul cord to the leading edge harness using snap hook
- Ensure splice clips and attachments are secure

- Pull Cover onto Pool
- Using the haul cord, pull the cover smoothly across the pool
- Ensure the cover runs straight and does not snag

- Attach Roller Cords (3)
- Attach roller cords evenly along the cover edge
- Ensure cords are equally spaced to allow even rolling

- Final Check
- Cover should deploy flat and retract evenly
- No twisting, bunching or catching should occur

2. How to Install a Commercial Roller

Standard Commercial Roller – with Stabiliser Bar if Ordered/Required [See Fig 3]



Fig 3

BEFORE YOU START

- Ensure the work area is clean and free of anything that could damage the roller or roller finish
- Check the roller size and orientation
- Do not use knives or sharp tools to unwrap the roller cosmetic damage can occur

Note: *The stabiliser bar is fitted only if ordered, Outriggers can be ordered or specified for covers that are to be used over starting blocks*

STEP-BY-STEP – ROLLER ASSEMBLY

- Fit Hand Wheels
- Insert 6 × M8 × 20mm bolts into end slug [See Fig 4]
- Repeat on opposite end
- Install End Frames
- Slide end frames (with bearings installed) onto the 25mm roller axle [See Fig 5]
- If you have stabiliser bars, install stabiliser bars to end frame only prior to sliding end frame onto the 25mm roller axle [See Fig 6]
- Insert Roller Tube
- Slide roller tube through bearings in both end frames and secure [See Fig 7]
- Fit retaining washer and secure using:
- For the round end slug end, secure with retaining washer and M8 x 20 bolt for the square drive end slug end, slide washer over square drive and past the split pin hole, insert split pin and separate end so it does not come out



Fig 4



Fig 5



Fig 6



Fig 7

STABILISER BAR – IF ORDERED / REQUIRED

- Prepare Stabiliser Bar
- Do not fully tighten any bolts until assembly is complete end section to be mounted onto roller frame
- Match coloured adhesive dots on stabiliser bar and frames [See Fig 8]



Fig 8

- Fit Rubber Spacer
- Place 50mm × 50mm rubber spacer on top of frame before fitting stabiliser bar [See Fig 9]

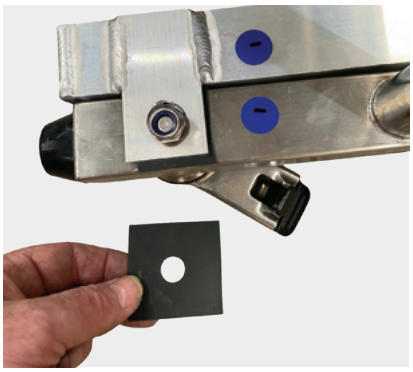

Fig 9

- Attach Stabiliser Bar to Frames [See Fig 10]
- Bolt stabiliser bar to both frame bases, end stabiliser frame to roller frame.
- Ensure correct alignment before tightening, then insert middle bar once roller tube is installed



Fig 10

- Fit Centre Castor if supplied [See Fig 11 & 12]
- Attach centre castor wheel to stabiliser bar using:
  - M12 × 80mm bolt
  - Washer and nyloc nut



Fig 11



Fig 12



Fig 13

Note: *Attaching stabiliser bars to frame may require castor bolts through bottom of frame. [See Fig. 13]*

FINAL ROLLER ASSEMBLY

- Tighten All Hardware
- Once roller and stabiliser bar are fully aligned, tighten all bolts
- Install Drop Pins / Anchors [See Fig 14]
- Position roller at pool end
- Secure roller to ground using supplied anchors and drop pins



Fig 14

CONNECT COVER TO ROLLER

- Attach Cover to Roller by wrapping the cords evenly under the washer, around the roller screws, then tighten
- Singlepoint attachment: Clip harness to centre ring using carabiner
- Multipoint attachment: Place cords evenly under roller screws using cord markings and ensure cover is recovered evenly onto roller (adjust if necessary)

FINAL CHECK

- Roller rotates freely and smoothly
- Cover rolls evenly with no skewing
- Roller is stable and does not flex

OUTRIGGER - IF ORDERED/REQUIRED.

NOTE: *Outriggers are to be bolted to the end frame prior to installing end frames onto tube*

BEFORE YOU START

Check numbered and coloured dots on frame parts to ensure all sets are laid out together.



Fig 15

PARTS CHECK

- Unpack all parts
- Ensure parts labelled with coloured dots are separated to each end.
- You should have:

  1 x frame with outrigger e.g. blue dots

  1 x frame with outrigger e.g. white dots

  1 x stabiliser bar e.g. blue dots

  1 x stabiliser bar e.g. white dots

  1 x commercial roll on tube

  1 x set handwheels

  1 x outrigger tube

  Hardware/castors



Fig 16

- Bolt the outrigger frame to the roller frame using 180mm bolt provided in frame [See Fig 17]



Fig 17

- After installing bolts, 1 x Stabiliser/outrigger/frame is now ready. [See Fig 18]



Fig 18

Note: *Each side will have a colour coded dot numbered 1, 2 or 3. [See Fig 19]*

- Each left and right set needs to be correspond with the same number ie. 1 with 1, 2 with 2, etc.



Fig 19

- Prior to frame installation, handwheel needs to be installed onto roller end slug using 6 x M8 x 20mm bolts/washers. [See Fig 20]

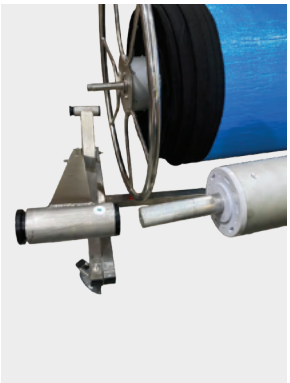

Fig 20

- Side frame numbered 1 is now installed onto roller with handwheel. [See Fig 21]



Fig 21

- Completed side view. [See Fig 22]



Fig 22

- Repeat install of handwheel to roller, slide on end frame. [See Fig 23]

Note: *Prior to installing end frame, outrigger tube must be fitted at this time.*

Note: *Split pin and large washer for square end slug.*



Fig 23

- Outrigger tube installed. [See Fig 24]
- M8 bolt and s/steel washer for end slug.



Fig 24

- Final step is to install and connect male/female ends of stabiliser together using bolts. [See Fig 25]

Note: *Pressure/force may be required at both ends of roller to line up holes.*

See [Fig 15 on page 6] for the assembled outrigger.



Fig 25

3. How to Install a Commercial UnderBench Roller (UBR – Manual Version)

Two people are required to lift and position the UBR.



Fig 26

BEFORE YOU START

- Ensure the work area is clean and free of anything that could damage the roller or roller finish
- Check the roller size and orientation
- Do not use knives or sharp tools to unwrap the roller or planks, cosmetic damage can occur

PARTS CHECK

Confirm all items are supplied:

- UnderBench seating planks
- Commercial UBR tube
- UBR end frames and Cframes
- Hardware kit
- Anchors
- Handwheel with adaptor

STEP-BY-STEP

- Lay Seating Planks Flat
- Position planks upside down on a flat surface – careful to protect the planks so they are not scratched during assembly
- Install Frames to Planks
- Frames are labelled (A1, A2, A3, A4 etc.)
- Match frame labels to plank markings [See Fig 27]
- Loosely bolt frames to planks (do not fully tighten yet)
- Leave one End Frame uninstalled to allow tube insertion



Fig 27

- Insert Roller Tube [See Fig 28]
- Slide UBR tube through bearings in remaining frames

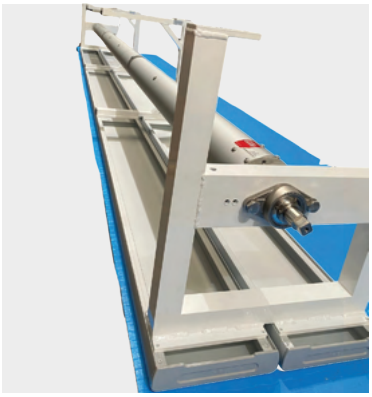

Fig 28

- Install remaining End Frame [See Fig 29]
- Install end frame
- Ensure tube sits correctly in all bearings



Fig 29

- Bolt Frames Fully [See Fig 30]
- Use supplied M6 × 20mm bolts, washers and nuts (32 total)
- Tighten all frame bolts



Fig 30

- Check Tube Rotation
- Tube must rotate freely and smoothly
- Install Handwheel
- Using 6 x M8 x 20 bolts and washers, secure the handwheel to the adaptor, then slide handwheel with adaptor over square end slug [See Fig 31]. If leaving on for operation, install M5 bolt and nyloc nut



Fig 31

- Secure using supplied M5 bolt [see Fig 32]

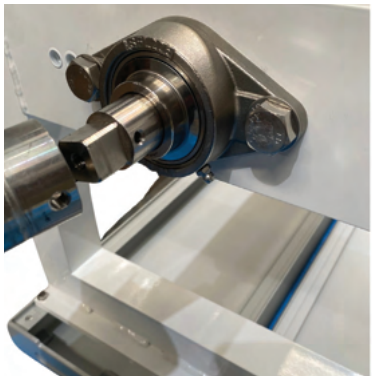

Fig 32

- Tighten grub screw using Allen key [See Fig 33]
- Repeat on both ends if applicable [See Fig 34]



Fig 33



Fig 34

FINAL POSITIONING

- Flip Assembly Upright [See Fig 35]
- Two persons required



Fig 35

- Position UnderBench Roller
- Move UBR into final location under seating ensuring the open section of the roller is facing the pool for cover use
- Attach cover and test operation
- Anchor to Ground
- Using supplied anchors and drill bit, secure UBR to ground surface [See Fig 36 & 37]

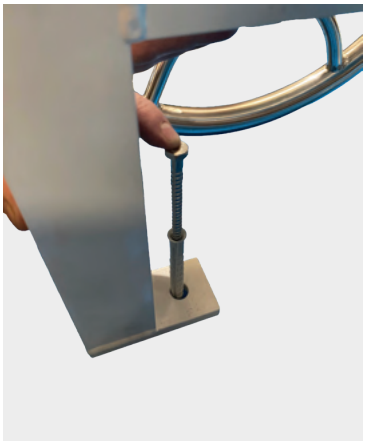

Fig 36

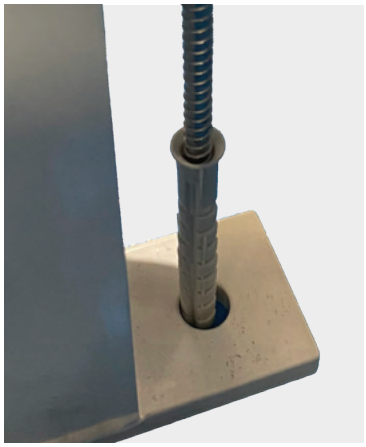

Fig 37

FINAL CHECK

- Roller turns smoothly by hand
- Frames are square and secure
- No movement once anchored

IMPORTANT INSTALLER NOTES (ALL SYSTEMS)

- Do not force any component
- Stop immediately if binding or catching occurs
- Do not tighten hardware until full alignment is confirmed
- Keep all rollers square to pool edge
- Correct installation is critical to commercial warranty coverage

Part 2 - Operation, Maintenance & 5 Year Pro Rata Warranty

Commercial Pool Covers and Manual Roller Systems including:

- Commercial 525 Ultra Dome™ 5 Year Pro-rata Warranty Cover
- Commercial ThermoTech 3, 4.5, 5.5 & 6mm Foam 5 Year Pro-rata Warranty Cover
- Daisy Commercial Manual Rollers - All non-power parts of rollers 10 Year Pro-rata Warranty Cover
- Caddy Pro / Caddy UBR / Caddy Fixed All electric components (except battery) of rollers 2 Year Pro-rata Warranty Cover

1. Purpose of This Document

This document defines the mandatory:

- Installation standards
- Operating requirements
- Maintenance practices
- Warranty terms and limitations

Applicable to Daisy commercial pool covers and manual roller systems.

All Daisy products are supplied with a Pro Rata warranty covering defects in material or workmanship, subject to the conditions set out in this document.

This document must be read in conjunction with Daisy product manuals and installation guides.

2. Definitions

Commercial Pool
Any pool not classified as a single residential domestic swimming pool, including but not limited to public pools, schools, aquatic centres, councils, resorts, hotels and strata or shared use facilities.

Cover
A Daisy manufactured commercial pool cover designed to reduce evaporation, heat loss and debris ingress.

Roller System
A Daisy manual roller system designed to deploy and retract a commercial pool cover.

Manual System
A system operated by hand and not fitted with any motor, drive unit or automation.

3. Installation Standards – Mandatory

3.1 Qualified Installation

All commercial pool covers and roller systems must be:

- Installed by a suitably qualified person
- Installed strictly in accordance with Daisy instructions
- Installed to prevent abnormal load, abrasion, misalignment or twisting

Failure to meet installation requirements may void warranty coverage

3.2 Roller Installation & Fixings

- Rollers must be installed on a suitable surface level and square
- Roller systems that are fixed, must be fixed to structurally sound concrete slabs, plinths or approved mounting points and turn freely once secured into position

- Appropriate fixings must be used for the mounting surface
- Mobile Roller frames are to be used on a suitable flat surface free of obstructions and hard level changes

Avoid all collisions, impacts and rough terrain when manoeuvring mobile rollers.

3.3 Alignment & Clearance

- Covers must deploy and retract on a straight centreline
- Covers must not rub against coping, walls, tiles, ladders or handrails
- Skewed deployment or uneven rolling is not acceptable

4. Operation Guidelines

4.1 General Use

Commercial pool covers:

- Are not safety covers
- Are not loadrated
- Must never be walked or stood on

Covers must not be used:

- While the pool is occupied
- During strong winds or weather events
- When solid debris or ice is present

4.2 Rolling & Handling

- Operate rollers smoothly and evenly at all times
- Never force a stalled or jammed system
- If the cover becomes difficult to operate, binds, catches or tracks unevenly, STOP OPERATION IMMEDIATELY and investigate the cause before continuing use
- Continued operation under resistance may cause damage and void warranty coverage
- Never use the roller system or power systems to tow or pull other objects

5. Maintenance Requirements (Mandatory)

Without proper care, ANY pool cover and roller system will have a reduced service life.

5.1 Daily / Weekly Maintenance

- Clear Debris: Remove sticks, leaves and foreign objects from the cover and around the roller before operation
- Inspect Cover: Check for wear, tearing, scale buildup, haul cord and harness cord damage. Ensure pool coping edges are smooth and free of sharp points
- Inspect Roller: Check for loose bolts, unusual noises, wheel condition and brake operation. Do not move rollers with brakes engaged

5.2 Cleaning

- If the cover is being stored for a prolonged period, it must be thoroughly hosed with fresh water and allowed to dry before storage
- Use a soft brush and mild detergent only for stubborn stains

High pressure cleaners, solvents and abrasives must not be used.

5.3 Roller & Pit Maintenance

Where rollers are installed in pits or housings:

- Keep housings free of water and debris
- Prevent corrosion, contamination and excess weight loading

6. Chemical & Environmental Protection

Products must only be used with pool water balanced in accordance with Australian Standard AS 36331989.

Required water balance:

- pH: 7.0 – 7.8
- Maximum chlorine: 4 ppm

Allow at least 2 hours after chemical dosing before deploying the cover.

Daisy Pool Covers will not be responsible for damage caused by:

- Poor water chemistry
- Chemical vapours
- Scaling, corrosion or chemical stress loading

Uncover pools periodically to allow air circulation and ventilation.

7. Pro Rata Warranty Coverage

7.1 Pro Rata Warranty Period

Daisy commercial pool covers and manual roller systems are covered by a:

5 Year Pro Rata Warranty

commencing from supply date.

7.2 What the Pro Rata Warranty Covers

- Defects in material or workmanship
- Structural defects in nonpowered roller components
- Premature material failure not caused by misuse, environment or poor maintenance

Daisy may repair or replace the product following inspection or assessment of photographic evidence.

7.3 Pro Rata Warranty Guide

This pro rata warranty is calculated on a month-by-month basis across the 5 year warranty period and not in annual blocks.

The applicable contribution is based on the number of full months elapsed since installation at the time of the claim.

Indicative guide only:

Elapsed Time	Material Contribution
12 months	80%
24 months	60%
36 months	40%
48 months	20%

Labour, removal, reinstallation, access and transport are excluded.

8. What Is Not Covered

The warranty does not cover damage or failure resulting from:

- Incorrect installation or noncompliance with Daisy standards
- Misuse, abuse or operation outside intended use
- Damage caused by site conditions or weather events, including wind, flooding, excessive heat, salt exposure or airborne contaminants
- Poor water chemistry or excessive chemical concentration

- Chemical vapour exposure
- Dragging covers over abrasive surfaces
- Continued operation when binding or catching
- Vandalism, physical impact or acts of nature

Normal wear, cosmetic fading and discolouration are excluded.

9. Exclusions

This warranty specifically excludes:

- Motorised or automatic systems
- Electric components and batteries
- NonDaisy components or modifications
- Repeat claims for the same damage

Daisy Pool Covers reserves the right to refuse repeat claims for identical damage.

10. Commercial Use Acknowledgement

Commercial pools experience:

- Higher bather loads
- Increased chemical demand
- Increased operating frequency

Accelerated wear relative to domestic use is expected and is accounted for within the Pro Rata warranty structure.

11. Warranty Claims Procedure

To lodge a claim:

- Contact Daisy Pool Covers
- Supply proof of purchase and installation date
- Provide photos and a description of the issue

Daisy reserves the right to inspect the product before determining a remedy.

12. Limitations of Liability

To the maximum extent permitted by law:

- Daisy Pool Covers' liability is limited to repair or replacement only
- Consequential or indirect losses are excluded
- Travel costs, callout fees and freight costs associated with returning products to Daisy Pool Covers (Wetherill Park, NSW) are not covered under this warranty and remain the responsibility of the owner/operator

13. Australian Consumer Law

This warranty is provided in addition to rights and remedies available under Australian Consumer Law and does not exclude those rights.

14. Contact Details

Daisy Pool Covers www.daisypoolcovers.com.au

Part 3 - Appendix A – Commercial Specification Schedule

Daisy Pool Covers & Roller Systems

This Schedule forms part of the Daisy Commercial Pool Cover & Roller Warranty and defines the approved materials, construction standards and product specifications covered under warranty.

A1. Scope

This Commercial Specification Schedule applies to:

- Daisy Commercial Pool Covers
- Daisy Commercial Manual Roller Systems, including UnderBench Rollers

All products must be:

- Manufactured by Daisy Pool Covers
- Installed, operated and maintained in accordance with Daisy documentation

A2. Commercial Pool Cover Specifications

A2.1 ThermoTech™ Foam Commercial Pool Covers

ThermoTech™ Foam covers are manufactured from crosslinked closedcell polyolefin foam for commercial pool environments.

The material construction consists of a threelayer system:

- Closedcell crosslinked thermal foam core
- Flamebonded on both sides to UVstabilised woven PE (polyethylene) Canvacon material

This construction provides thermal insulation, durability and resistance to chemical and environmental exposure consistent with commercial pool use.

Standard Inclusions

ThermoTech™ Foam commercial pool covers are supplied complete with:

- Full perimeter edge binding
- Rollerend reinforcing harness
- Haul cord
- Flotation leading edge
- Piggyback configuration where required (no additional cost)

ThermoTech™ Foam – Technical Specifications

Specification	3.0 mm	4.5 mm	5.5 mm
Material Thickness	3.0 mm	4.5 mm	5.5 mm
Total Height	3.0 mm	4.5 mm	5.5 mm
Thermal Resistance (Rvalue)	0.10 m^2K/W	0.13 m^2K/W	0.16 m^2K/W
Nominal Weight	510 gsm	585 gsm	620 gsm
Material Orientation	Reversible	Reversible	Reversible
Standard Colours	Blue	Blue, Silver, Royal Blue	Blue
Warranty	5 Year Pro Rata	5 Year Pro Rata	5 Year Pro Rata

A2.2 UltraDome™ Bubble Commercial Pool Covers

UltraDome™ bubble covers are manufactured from commercial grade 525-micron polyethylene (PE) using Daisy Pool Covers' advanced manufacturing processes.

Material characteristics include:

- Highlevel UV inhibitors
- Antioxidants and toughеners
- Resistance to sun exposure, salt and pool chemicals

UltraDome™ covers are translucent, allowing maximum transmission of solar radiation to assist daytime pool heating while also providing insulation to reduce overnight heat loss.

In outdoor commercial pools, UltraDome™ covers:

- Assist in overnight heat retention
- May contribute to solar heating when deployed during daylight hours

Standard Inclusions

UltraDome™ bubble covers are supplied complete with:

- Full perimeter edge binding
- Rollerend reinforcement
- Attached overcover
- Haul cord
- Flotation pocket with float rod
- Piggyback configuration where required (no additional cost)

UltraDome™ Bubble Cover – Technical Specifications

Specification	Value
Material Thickness	525 micron
Thermal Resistance (Rvalue)	0.10 m^2K/W
Nominal Weight	505 gsm
Standard Colours	Blue
Warranty	5 Year Pro Rata

A3. Commercial Roller Specifications – UnderBench Rollers

Commercial UnderBench Rollers (UBR) are engineered for high use environments and constructed to withstand frequent operation in indoor and outdoor commercial settings.

A3.1 Construction Materials

Commercial UnderBench Rollers are constructed from:

- Powdercoated aluminium frames
- Anodised aluminium roller tube
- Anodised aluminium seating planks
- 316 stainless steel end slugs – option: one end slug with square drive for Caddy drive system
- Stainless steel 500mm hand wheel
- Stainless steel fastening hardware

All materials are selected for strength, corrosion resistance and longterm durability.

A3.2 Commercial Mobile Roller Models Covered

Commercial Mobile Manual Rollers are constructed from:

- U125
    - Anodised aluminium roller tube
    - 316 stainless steel:
    - End Frames
    - 2 x 500mm hand wheels
    - Castors (with nylon wheel)
    - End slugs – one end slug with square drive for Caddy drive system
    - Hardware
- U150
    - Anodised aluminium roller tube
    - 316 stainless steel:
    - End Frames
    - 2 x 700mm hand wheels
    - Castors (with nylon wheel)
    - End slugs – one end slug with square drive for Caddy drive system
    - Hardware
- U203
    - Anodised aluminium roller tube
    - 316 stainless steel:
    - End Frames
    - 2 x 900mm hand wheels
    - Castors (with nylon wheel)
    - End slugs – one end slug with square drive for Caddy drive system
    - Hardware

A4. Warranty Alignment

All pool covers and roller systems listed in this Specification Schedule are covered under the Daisy Commercial Pool Cover & Roller Warranty, subject to:

- Correct installation
- Proper operation
- Ongoing maintenance
- Compliance with water chemistry, site and environmental requirements

Warranty periods, exclusions and Pro Rata calculations are defined within the main Commercial Warranty document and apply only to products manufactured in accordance with this Schedule.

A5. Limitation

This Specification Schedule:

- Does not extend warranty coverage beyond that stated in the Commercial Warranty
- Does not apply to nonDaisy products or modified systems
- Is provided for technical definition and warranty alignment purposes only

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