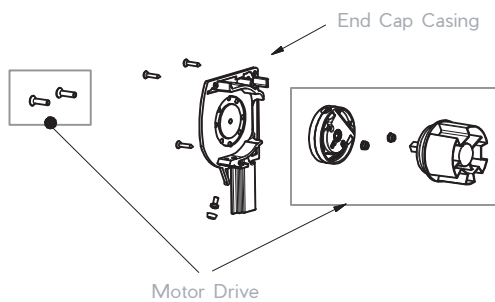
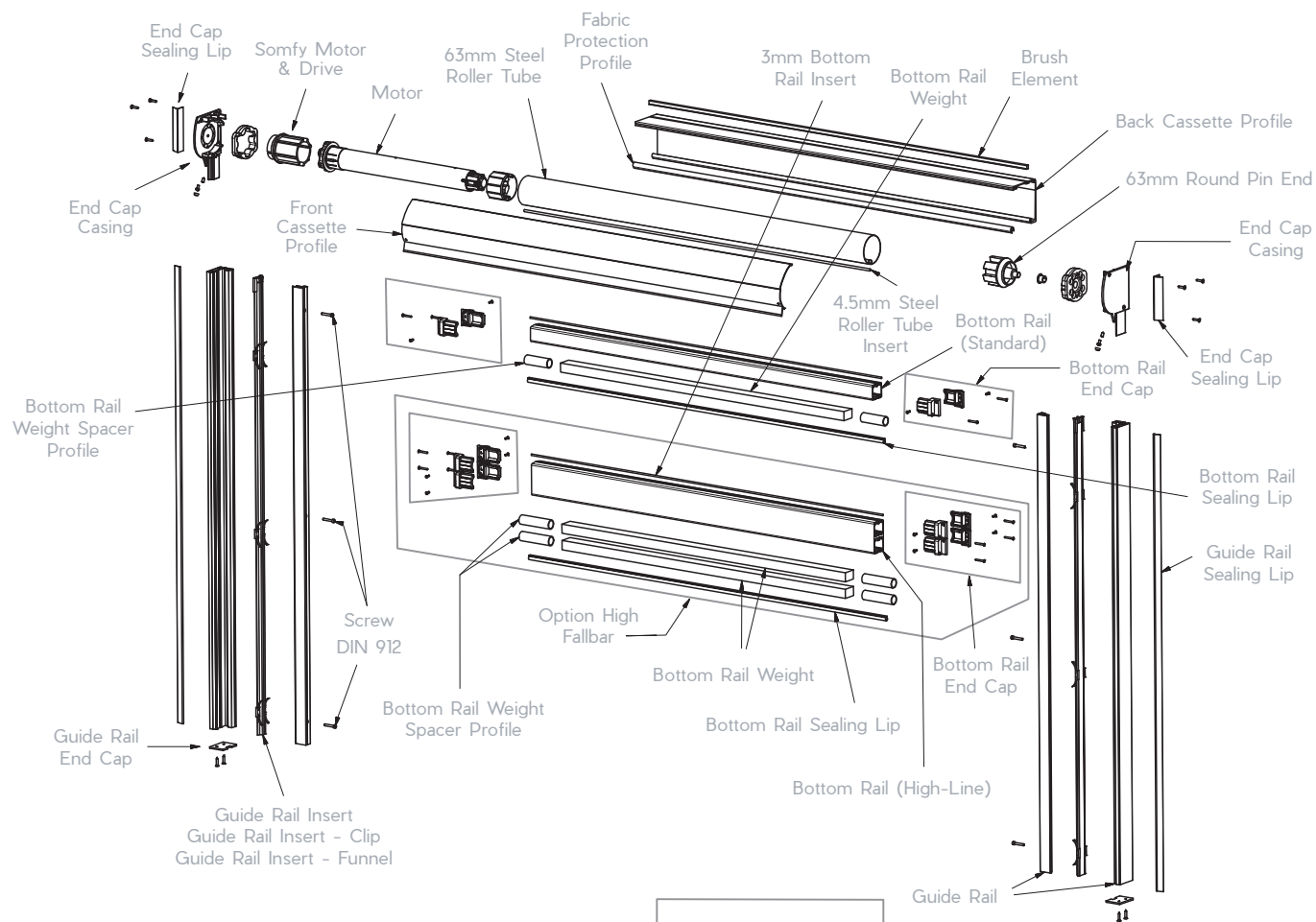
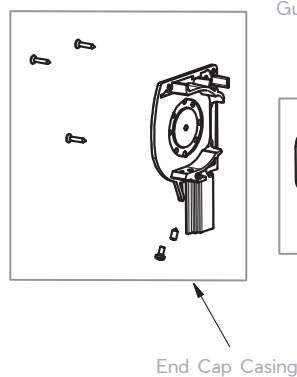
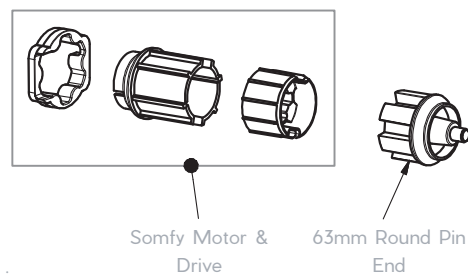




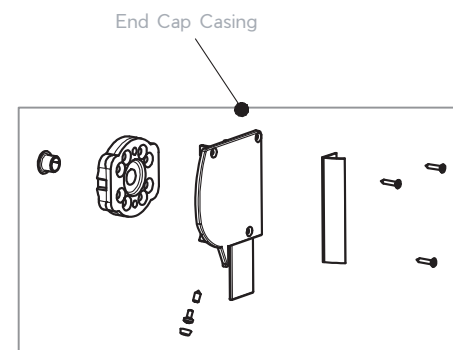
Endcap Casing ZIP-R95 Gear Drive



Endcap Casing ZIP-R95 Motor Side



Endcap Casing ZIP-R95 Opposite Side



R-SERIES
R101: ROLLER BLIND COLLECTION



JAMES ROBERTSHAW

est.1860

BESPOKE AWNINGS & BLINDS

R101: ELIMINATE INSTALLATION GUIDE

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1. Safety notes, warnings & installation information

1.1. Explanation of the safety notes:

Safety notes and important information are integrated in the text as appropriate. The following symbols are used to alert the reader/user of the instructions.



This symbol means that the relevant note is important for the safety of persons or for the function of the awning.



This symbol highlights important product information for the installation engineer.

1.2. General safety information:



The R101: Eliminate Roller Blind Awning has been designed and manufactured in conformity with DIN EN 13561. However, when the blind system is installed or operated, the persons involved in the respective activity maybe at risk if the relevant instructions are not observed. Only qualified companies or trained personnel maybe permitted to install James Robertshaw blind systems. Always observe the information and notes within this Installation Guide. A failure to observe the relevant information and to forward to the end user the supplied User Guide booklet will render the manufacturer's liability null and void.



The safety-at-work and accident prevention regulations must be complied with. In particular, a person performing special work at height must be suitably secured. The notes within the product and its packaging must be observed.

2. Installation

2.1. Tools and equipment:

All equipment or tools brought on to premises will be of sound construction and will meet the statutory requirements applicable to these tools or equipment.

- > Step ladders/podium steps/access towers (where applicable)
- > Tape Measure
- > Spirit Level
- > Cordless Screwdriver
- > (Percussion) Drill (battery or 110v)
- > Power tools (battery or 110v)
- > Drill bits, suitable for the drilling substrate and the fixing brackets
- > 10mm and 14mm drill bits for the crank passthrough
- > SW3, SW4, SW5 Allen keys
- > SW10 open fork or ring spanner
- > Torx bit Tx20

Please take some time to get to know this product. By knowing the ins and outs of the product and the installation process and guidelines detailed in this install guide, the installer will not only save time over the course of the install, but also be able to work more safely.

2.2. Guide rail / frame:

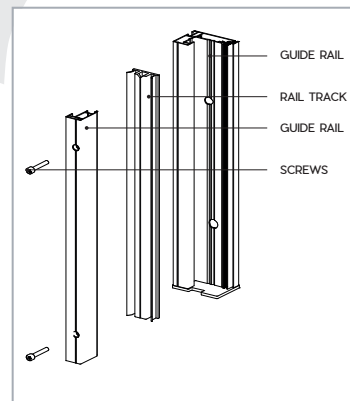


STEP 1 - Disassemble the guide rail

Fig. 1 Shows the guide rail in it's component parts. Disassembling the guide rail unit is key to a successful "face-fix and recess" (Fig. 5) and "A103: Pergo-Line" (Fig. 6) installation. To do this:

- > Remove the screws from the front part of the guide rail,
- > Carefully remove the screws and front part of the guide rail ensuring any components are stored securely,
- > Carefully remove the rail track from the back part of the guide rail,
- > Secure the back part of the guide rail with appropriate fixings taking care not to distort the profile. If installing between PergoLine posts, please refer to Fig. 6.

Fig. 1 - Guide Rail



STEP 2 - Assemble the guide rail

Once the guide rail is in place, attach the cassette profile as in Fig. 2. To do this:

- > Locate the pegs of the cassette profile into the guide rail,
- > If required remove grub screws on the front of the cassette profile and pull flap forward for access to ensure the guide rail is secure and straight,
- > Ensure all screws are secured tightly and the guide rails are parallel.

With the cassette profile and guide rails in position;

- > Replace the rail track,
- > Secure the front part of the guide rail into the back part of the guide rail with the screws,
- > Thread the zipper edge of the blind into the rail track in the guide rail on both sides of the frame (see Fig. 3),
- > Ensure all components are secure (see Fig. 4).

Fig. 4 - Final arrangement

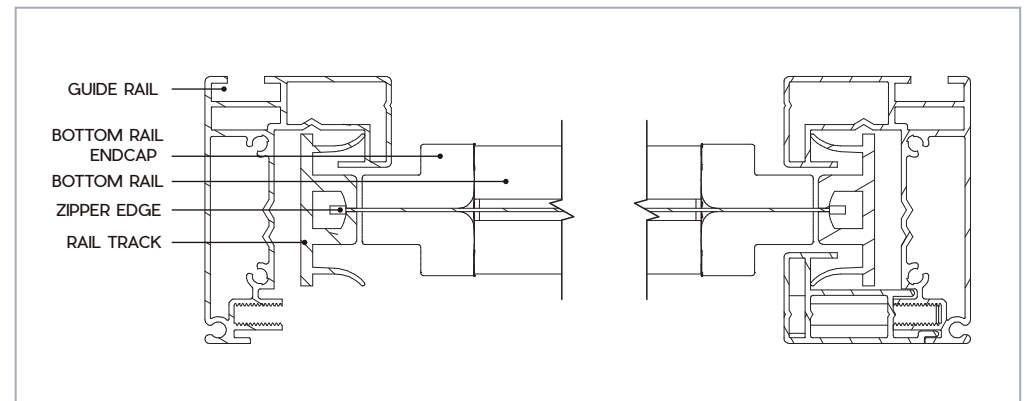


Fig. 2 - Attaching the cassette profile

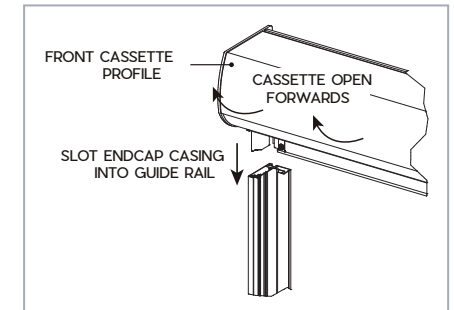
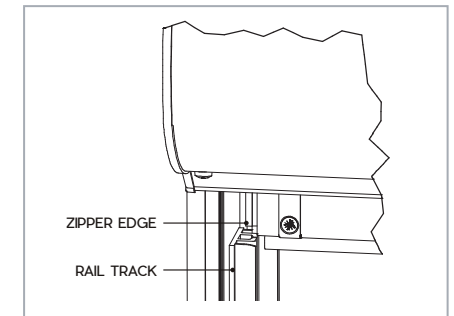


Fig. 3 - Adding the zipper



2.3. Installation conditions:

Fig. 5 - Face-fix and recess installation

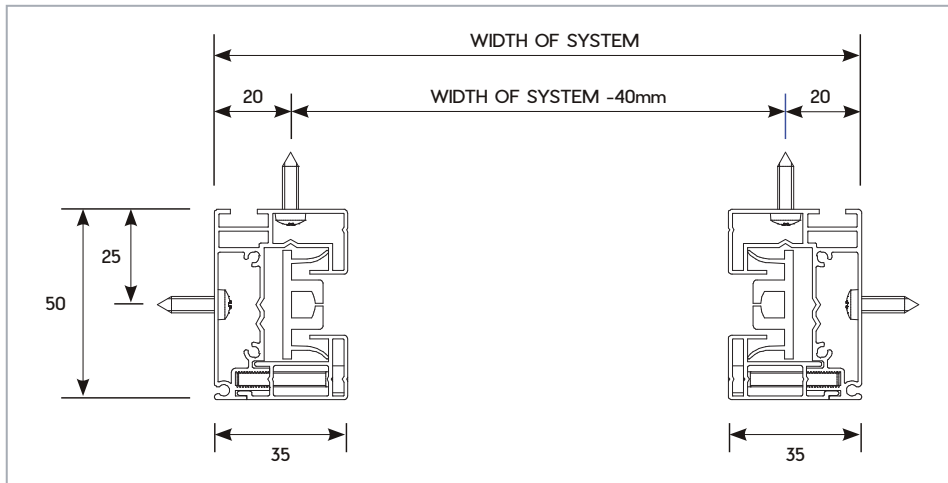
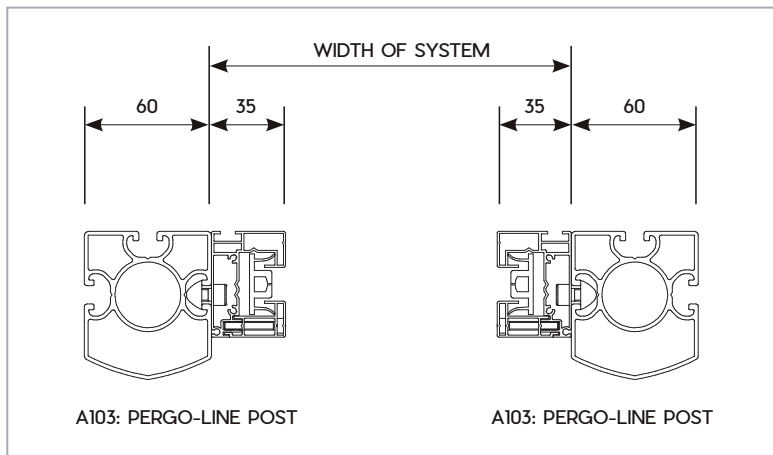


Fig. 6 - A103: Pergo-Line installation

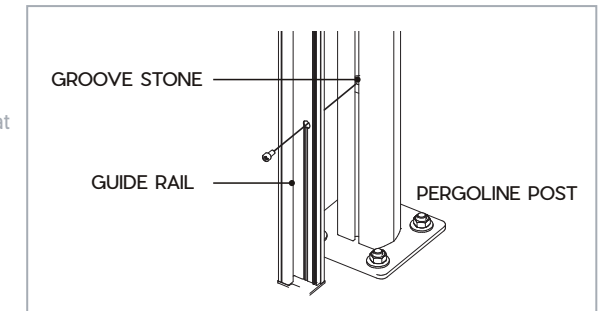


Follow all instructions relating to the guide rail up to STEP 1 (page 3)

Once complete, insert the groove stones within the clamping channel of the A103: Pergo-Line posts (Fig. 6a) at the level of the drill holes in the guide rail.

Once the groove stones are in place, return to the installation of the guide rails from STEP 2 onwards (page 3).

Fig. 6a - A103: Pergo-Line installation



2.4. Remote control operation:

In the unlikely event of needing to reset the remote control operation, contact James Robertshaw & Sons Ltd.

3. Initial operation

i Before the initial operation of the blind, remove all objects (e.g. ladders, tools, etc.) from the full travel range (in/out) of the blind. During the trial operation, ensure that nobody is in this area - there is a risk of injury in case of a malfunction.

For trial operation, always use the test cable (no RTS remote control units etc.) In addition the operator must be able to see the blind. If the test cable has not yet been connected, connect to the drive cable. Fully extend blind and check switch-off point (the covering should not become loose and the sealing profile of the vertical profile of the vertical panel should lie flat on the subsurface).

4. Removal

Ensure that the area around the blind is free of all objects and any unauthorised personnel. Shut off power to the motor-driven blinds and take steps to ensure they cannot be switched on again. Only remove blind in it's retracted position. Removal of the blind is the reverse of installation.

5. Troubleshooting

Check through the issues listed in the troubleshooting table to diagnose any issues causing the blind to malfunction.

TYPE OF DEFECT	CAUSE	REMEDY
Motor drive does not work	No power	Check connection (specialised company)
	Motor drive not correctly connected	Check connection (specialist company)
	Thermal protection of the motor drive activated	Wait for 20 minutes, then operate again
	Remote control batteries empty	Check light signal on sending unit, replace batteries
	Higher-level control unit prevents manual operation	Wait until higher-level signal is not activated any more
System does not extend or retract fully	End positions of the motor drive changes, or incorrect end position setting	Reset or re-program end positions (see Motor Drive Instruction Manual)
System does not close on one side	Fabric not sewn straight	Support covering on this side with fabric tape on roll bar
Fabric becomes caught or has creases	Horizontal alignment of the box or parallel alignment of the rails changed	Realign box or rails

6. Safety

This install guide for the R101: Eliminate is intended for use by certified installers. Any person(s) installing the R101: Eliminate should have professional experience in the following best practices:

- > Workplace safety and accident prevention
- > Working with ladders and scaffolding
- > Handling and transporting long, heavy parts
- > Working with tools and machinery

Delivery of materials to site:

Ensure a safe, designated area has been provided for the unloading of materials for the installation project. Ensure safe methods of manual handling are employed and materials loaded out to specified areas.

Installation of blinds

Create a safe area to install the blinds.
Ensure the substrate is strong enough behind fixing to fix blinds to.
Face fix blinds to the agreed location.
Install operating mechanisms and ensure the blind is in full working order before leaving site.

Training [Recommended]:

Ensure all operatives are adequately trained to carry out required tasks;

- > Site Foreman is SSSTS approved,
- > Site Managers are SMSTS approved.

All operatives hold current certification:

CSCS certification.

All site operatives have the following training:

- > Stepladder training,
- > Working at heights training,
- > Asbestos awareness training,
- > Abrasive wheels training.

Legislation

Health and Safety Work Act 1974.
 The Management of Health and Safety at Work Regulations 1999.
 Workplace (Health, Safety and Welfare) Regulations 1992.
 The Control of Asbestos Regulations 2012.
 Provision and Use of Work Equipment Regulations (PUWER) 1998.
 The Reportable Injuries Diseases & Dangerous Occurrence Regulations 2012 (RIDDOR).
 Control of Substances Hazardous to Health Regulations 2002.
 The Work at Height Regulations 2007.
 The Personal Protective Equipment at Work Regulations 1992.
 The Manual Handling Operations Regulations 1992.

Codes of practice

BS EN 13659:2004+A1:2008 Shutters. Performance requirements including safety.
 BS EN 60335-2-97:2006+A2:2010 Household and similar electrical appliances. Safety.
 Particular requirements for drives for rolling shutters, blinds and similar equipment.
 BS EN 14648:2007 Building hardware. Fittings for shutters. Requirements and test methods.

Manual handling

The Manual Handling Operations Regulations (MHOR) 1992 establish a clear hierarchy of measures for dealing with risks from manual handling, these are:
 Avoid hazardous manual handling operations so far as is reasonably practicable,
 Assess any hazardous manual handling operations that cannot be avoided,
 Reduce the risk of injury so far as is reasonably practicable,
 The workforce will be trained to, observe safe lifting techniques, and safely handle loads,
 No one will be expected to lift on their own, materials weighing more than 25kg,
 Safe manual handling procedures should be followed at all times.

There are some basic principles that everyone should observe prior to carrying out a manual handling operation:
 Ensure that the object is light enough to lift, is stable and unlikely to shift or move,
 Heavy or awkward loads should be moved using a handling aid, Make sure the route is clear of obstructions.

Make sure there is somewhere to put the load down wherever it is to be moved to,
 Stand as close to the load as possible, and spread your feet to shoulder width,
 Bend your knees and try and keep the back's natural, upright posture, Grasp the load firmly as close to the body as you can, Use the legs to lift the load in a smooth motion as this offers more leverage reducing the strain on your back, Carry the load close to the body with

the elbows tucked into the body, Avoid twisting the body as much as possible by turning your feet to position yourself with the load.

Whenever manual handling is to be undertaken, especially if it is an uncommon or high risk task, an assessment of four specific activities – Task, Individual, Load and Environment (easily remembered by the acronym TILE) needs to be implemented.

7. Wind resistance classification

R101: Eliminate wind resistance class 3.

DIN EN 13561, this table, defines different wind resistance classes for blinds. The classification depends on the quality of the product. The higher the class, the better the quality of the product.

WIND RESISTANCE CLASS	DESCRIPTION	BEAUFORT SCALE WIND FORCE / WIND SPEED	R101: ELIMINATE
CLASS 0	UNDEFINED; PRODUCT UNTESTED OR UNSUITABLE		
CLASS 1	GENTLE BREEZE	4 Beaufort / 20 - 27 km/h	✓
CLASS 2	FRESH BREEZE	5 Beaufort / 28 - 37 km/h	✓
CLASS 3	STRONG WIND	6 Beaufort / 38 - 48 km/h	✓

A101: FOLDING-ARM AWNING COLLECTION

**A101: Cheetah****Residential | Light Commercial Non-Cassette System**

> Operation: Mechanical gearbox | RTS or IO Somfy motor

- > Specification: Width (mm): Up to 6,000 in a single section with 2 x folding-arms, 7,000 with 3 x folding-arms, 18,000 in a coupled section with up to 6 x folding-arms
- > Specification: Projection (mm): 1,500, 2,000, 2,500, 3,000
- > Application: Residential | light commercial installations
- > Standard Fabrics: Irisun acrylic collection | Ferrari Precontraint 302 PVC
- > Wind classification: Beaufort 5 - fresh breeze and Beaufort 6 - strong wind

**A101: Bobcat****Residential | Light Commercial Full-Cassette System**

> Operation: Mechanical gearbox | RTS or IO Somfy motor

- > Specification: Width (mm): Up to 4,500 in a single section with 2 x folding-arms
- > Specification: Projection (mm): 1,500, 2,000, 2,500
- > Application: Residential | light commercial installations
- > Standard Fabrics: Irisun acrylic collection | Ferrari Precontraint 302 PVC
- > Wind classification: Beaufort 5 - fresh breeze

**A101: Puma****Residential | Commercial Full-Cassette System**

> Operation: Mechanical gearbox | RTS or IO Somfy motor

- > Specification: Width (mm): Up to 5,000 in a single section with 2 x folding-arms
- > Specification: Projection (mm): 1,500, 2,000, 2,500, 3,000
- > Application: Residential | light commercial installations
- > Standard Fabrics: Irisun acrylic collection | Ferrari Precontraint 302 PVC
- > Wind classification: Beaufort 5 - fresh breeze and Beaufort 6 - strong wind

**A101: Jaguar****Commercial Non-Cassette System**

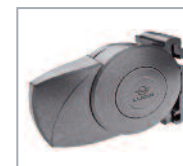
> Operation: Mechanical gearbox | RTS or IO Somfy motor

- > Specification: Width (mm): Up to 6,500 in a single section with 2 x folding-arms, 7,000 with 3 x folding-arms, 19,500 in a coupled section with up to 6 x folding-arms
- > Specification: Projection (mm): 1,500, 2,000, 2,500, 3,000, 3,500, 4,000, 4,500
- > Application: Commercial installations
- > Standard Fabrics: Irisun acrylic collection | Ferrari Precontraint 302 PVC
- > Wind classification: Beaufort 6 - strong wind

**A101: Panther****Commercial Semi-Cassette System**

> Operation: Mechanical gearbox | RTS or IO Somfy motor

- > Specification: Width (mm): Up to 6,500 in a single section with 2 x folding-arms, 7,000 with 3 x folding-arms, 19,500 in a coupled section with up to 6 x folding-arms
- > Specification: Projection (mm): 1,500, 2,000, 2,500, 3,000, 3,500, 4,000, 4,500
- > Application: Commercial installations
- > Standard Fabrics: Irisun acrylic collection | Ferrari Precontraint 302 PVC
- > Wind classification: Beaufort 6 - strong wind

**A101: Tiger****Residential | Commercial Full-Cassette System**

> Operation: Mechanical gearbox | RTS or IO Somfy motor

- > Specification: Width (mm): Up to 6,000 in a single section with 2 x folding-arms
- > Specification: Projection (mm): 2,000, 2,500, 3,000, 3,500, 4,000
- > Application: Residential | commercial installations
- > Standard Fabrics: Irisun acrylic collection | Ferrari Precontraint 302 PVC
- > Wind classification: Beaufort 6 - strong wind



ROLLER BLINDS



VERTICAL BLINDS



SKYLIGHT BLINDS



BESPOKE BLINDS



AWNINGS



CANOPIES



PARASOLS



GLASS PERGOLAS



RETRACTABLE ROOFS



BARRIERS



PLANTERS



RETRACTABLE
PARAPET GLASS



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