

Roller Blind System - Multiple Blind Options



Duo link operation

Duo link operation

The System 45° and 45+° Duo Link operating system allows two blinds to have fully independent operation whilst sharing a common centre support bracket. Such a combination can prove of use when covering a large glass area and with the need to

negate tube deflection, whilst minimising spacing between blinds reducing light strike. In addition, such installations offer the opportunity of covering two openings of different drops with a shared intermediate bracket.



Multi link operation

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The System 45° and 45+° Multi Link operating system allows multiple blinds to be joined together with a shared single control mechanism. This facilitates one action being required to raise or lower the blinds simultaneously. The capacity of the lifting

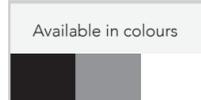
mechanism is dependent upon the performance rating of the operating unit.

The multi link mechanism also allows multiple blinds to be driven by a simple powered drive.

Power drive options

The System 45° and 45+° operating system can be used in conjunction with Somfy Power Drive systems either as individual blinds or as part of a building management control system. Please discuss these options with your preferred supplier of Louvolite System 45° and 45+° roller blind operating systems.

Louvolite Side Control Systems Maximum Recommended Blind Size



| System | Fabric Group | Blind Width (metres) | | | | | | | Max holding weight |
|----------------------------------|------------------|----------------------|------|------|------|------|------|--------------------------|--------------------|
| | | 0.50 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | |
| System 45° | up to 200 g/m sq | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 4.50 | 12lb blind @ 0.35 inches | |
| | 200 > 320 g/m sq | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 2.80 | | |
| | 320 > 485 g/m sq | 6.00 | 6.00 | 6.00 | 5.00 | 4.00 | 1.85 | | |
| System 45+° (Heavy Duty Tube) | up to 200 g/m sq | 6.00 | 5.00 | 6.00 | 6.00 | 6.00 | 6.00 | 24lb blind @ 0.35 inches | |
| | 200 > 320 g/m sq | 4.75 | 3.75 | 4.75 | 4.75 | 4.75 | 4.00 | | |
| | 320 > 485 g/m sq | 6.00 | 5.00 | 6.00 | 5.00 | 4.00 | 2.70 | | |

Also available for blind systems 32°, 40° and 40+°

ARCHITECTS | SPECIFIERS | CONTRACTORS



Louvolite System 45° and 45+° Roller Blind System

- The Louvolite System 45° Roller Blind System can satisfy most window types with a variety of models to suit the different sizes of blinds
- Manufactured in the UK using quality materials such as aluminium, mild steel, acetate and glass filled nylon plastics.
- All Louvolite Systems are 10 year life cycle tested.
- New Slide Lock® technology provides increased holding weight for smooth operation of larger blinds. Unique anti-fray features of Side Lock® maintain the appearance of blinds for longer.
- Unique bracket securing pin for safety after installation.
- Guide-wire system is available to hold fabric parallel to the window when the blind is operated.
- Easi-Lift spring operation available for easier operation of heavier blinds.
- Cassette systems available in white, grey or black finish, or the ability to co-ordinate with fabric.



CI/SIB 1976 reference by SIB Agency

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LOUVOLITE

Hardware Specification

System 45° and System 45+° Roller System

Roller Blinds should be manufactured using the Louvolite System 45° or System 45+° Roller Blind mechanisms with specifically designed grooved 45mm aluminium tubing. The specified fabrics should be formed into and held into the tube with locking tape. The side-control units should be manufactured in the UK and made from glass filled nylon 6, with an acetate sprocket and sprocket guard and include a locking spring.

The operating chain should be No.10 size in metal to ensure reliable performance. The brackets used should be made from mild steel, zinc plated and powder coated and be suitable for top or face fixing.

A spring plunger end mechanism should be located at the opposite end to the control mechanism

This provides a more secure fit of the blind between the brackets. and enhanced

smoothness of operation. The side control unit should be fitted with a centre plug that ensures the mechanism operates smoothly even under extreme loads.

Performance

To ensure a positive performance, all Louvolite Roller System units are manufactured in the UK using prime quality plastic materials and a dedicated steel locking spring. The sidewinders will lock into the bracket with the unique bracket securing pin for safety after installation.

10 year life cycle testing is done to ensure long lasting performance. The units will accept both metal or plastic rotation chain providing a smooth operation of the blinds.

Operation

Operation is with No.10 metal or plastic rotation chain to raise and lower the blinds. All blinds must be compliant with

the child safety elements of BS EN13120. Where children maybe present, the chain must be fitted with easybreak connectors or cord tidy devices.

Bottom Bar

The bottom bar should be either aluminium or plastic and covered with fabric. Silver or white round bottom bars are available with the fabric formed and locked into the top part to leave the bar exposed.

Maintenance

All of the System 45° Roller Blind System components are manufactured using aluminium and plastic. They do not present any corrosion problems in normal environments. The system has been designed for a smooth operation, together with a rigidity to prolong the window blind's working life. Manufacturing guidelines for the size restrictions for each model are included in this specification brochure.



System 45° and 45+° Cassette Roller Blind System

Roller Blinds with Cassettes should be manufactured as per the standard Louvolite System 45° and System 45+° and include the specially designed powder coated cassette system with dedicated top or face fix brackets. On specification the user has the choice between a single coloured extrusion in dedicated colours or a fascia which will incorporating the same fabric or contrasting fabric used on the roller blind.

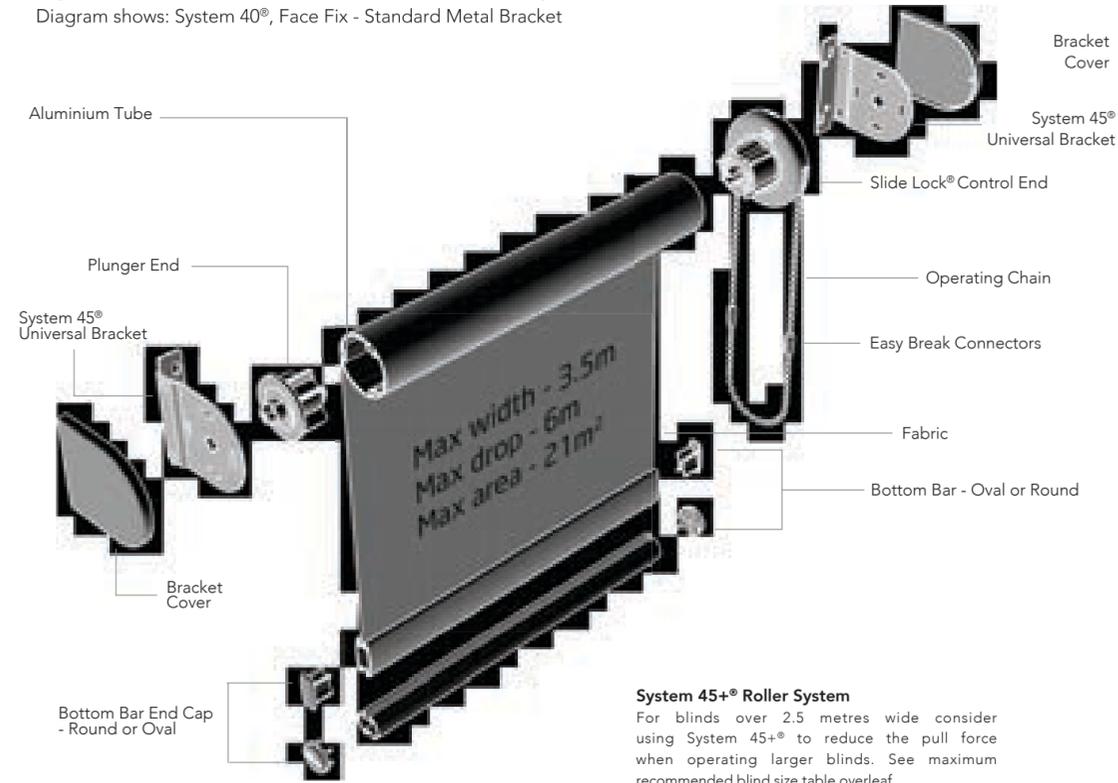
System 45° and 45+° Guide Wire Roller Blind System

Roller Blinds with guide wires should be manufactured as per the standard Louvolite System 45° and System 45+° and include dedicated brackets, PVC coated wire and glass filled nylon plastic base or side fixing units.

Your Louvolite System 45° and 45+° Distributor:

System 45® and 45+® Roller System

Diagram shows: System 40®, Face Fix - Standard Metal Bracket

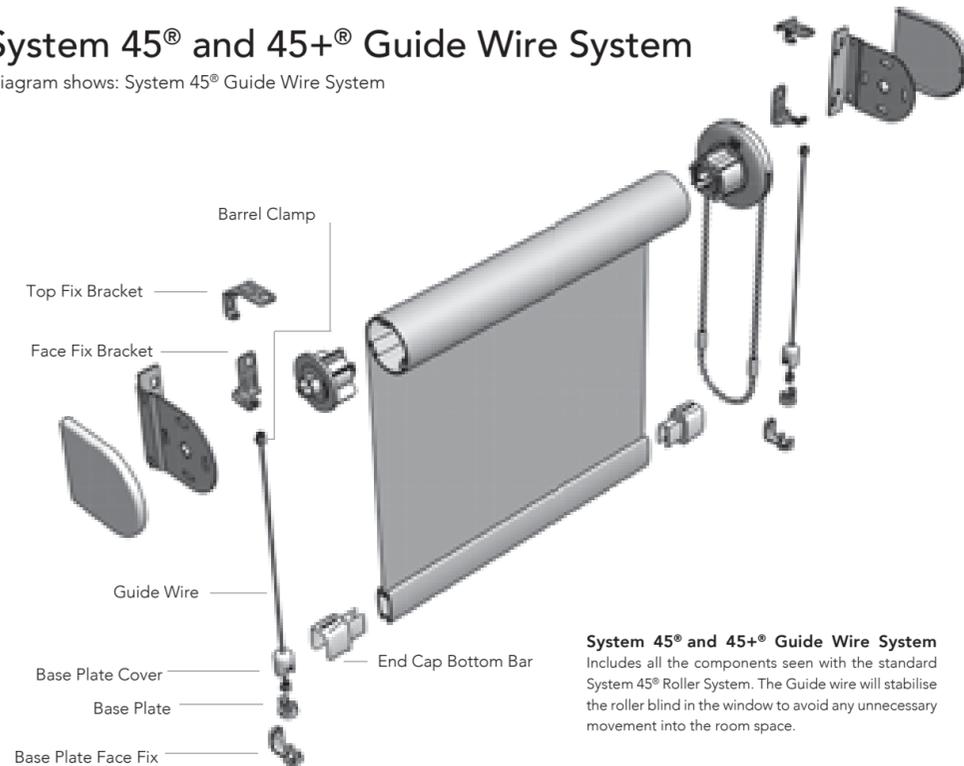


System 45+® Roller System

For blinds over 2.5 metres wide consider using System 45+® to reduce the pull force when operating larger blinds. See maximum recommended blind size table overleaf

System 45® and 45+® Guide Wire System

Diagram shows: System 45® Guide Wire System

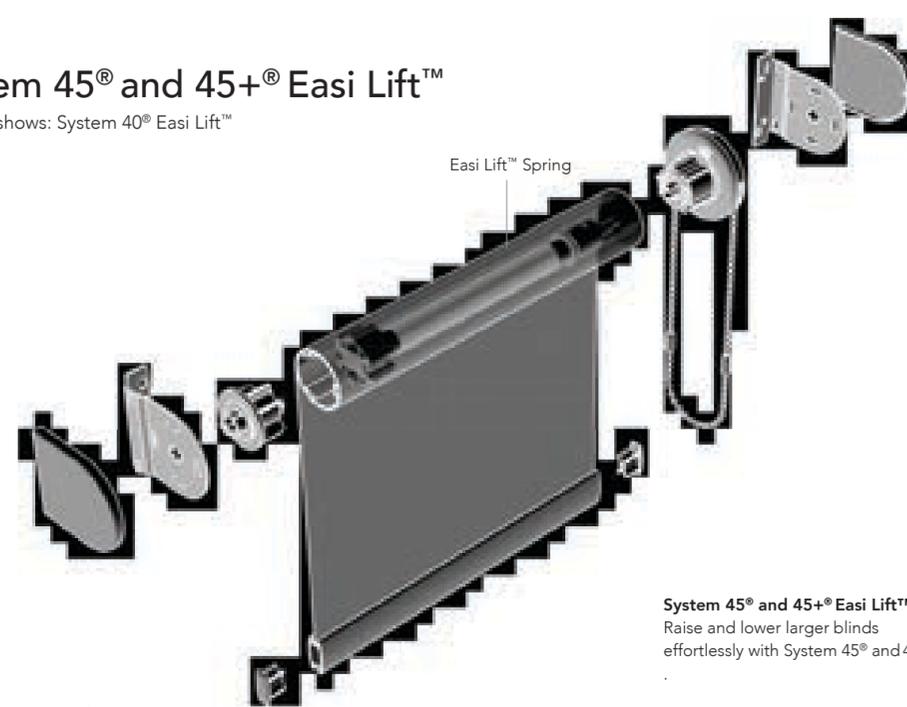


System 45® and 45+® Guide Wire System

Includes all the components seen with the standard System 45® Roller System. The Guide wire will stabilise the roller blind in the window to avoid any unnecessary movement into the room space.

System 45® and 45+® Easi Lift™

Diagram shows: System 40® Easi Lift™

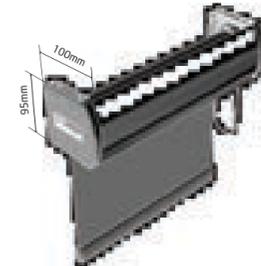


System 45® and 45+® Easi Lift™

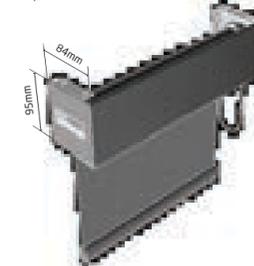
Raise and lower larger blinds effortlessly with System 45® and 45+® Easi Lift™

Additional options

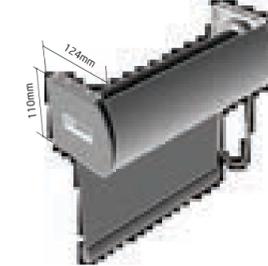
System 45® and 45+® 3 Inch Curved Fascia



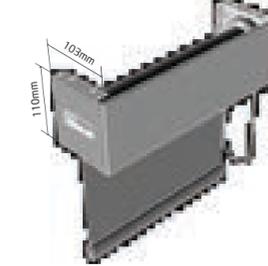
System 45® and 45+® 3 Inch Square Fascia



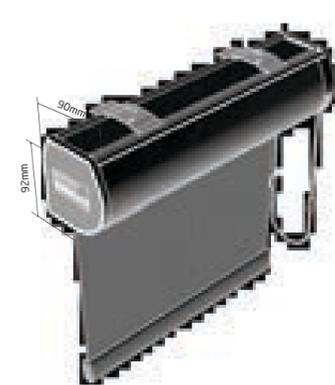
System 45+® 4 inch Curved Fascia



System 45+® 4 inch Square Fascia



Cassette System 45® and System 45+®



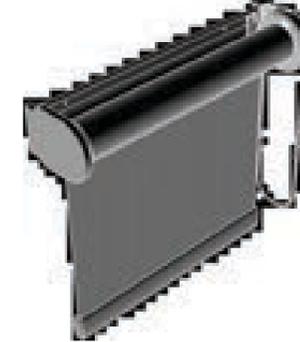
Fascia

With brackets manufactured from heavy gauge stove enamelled steel and fascia from aluminium, these units serve to house the roller shade and operating system. The use of cassette or fascia systems can allow window blinds to integrate more easily into particular glazing installations or to effect the desired aesthetic impact.

Cassette

All component parts and fabric are enclosed within a rounded fascia resulting in a compact, robust system with a streamlined appearance. Fast, multiple installations can be achieved using brackets that can be fitted along the whole length of the cassette. The snap fix fascia can be white, grey or black or with a matching fabric profile.

Back Bar Mounting Plate/Brackets

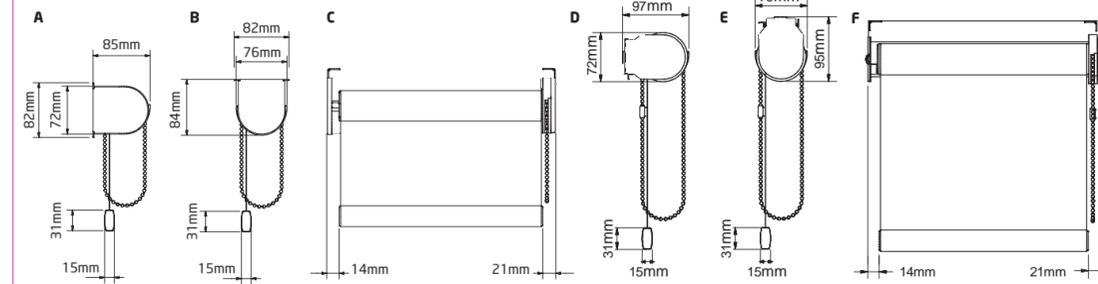


Back Bar Mounting Plate/ brackets

Stove enamelled finish on galvanised steel. The mounting brackets are designed to allow top or face fix installations. The bracket design enables quick and simple installation whilst minimising the light gap between the blind and the recess.

System 45® and 45+® - Bracket Dimensions

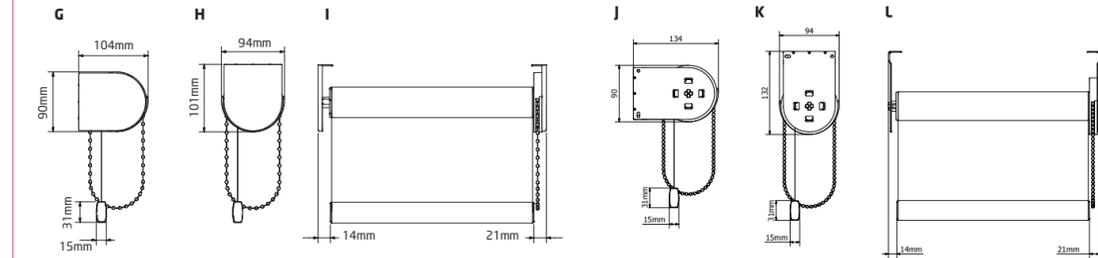
System 45+®



- A. System 45® Standard Metal Bracket Face Fix
- B. System 45® Standard Metal Bracket Top Fix
- C. System 45® Standard Metal Bracket Top Fix Front View
- D. System 45® Standard Metal Bracket Face Fix with Back Bar
- E. System 45® Standard Metal Bracket Top Fix with Back Bar
- F. System 45® Standard Metal Bracket Top Fix with Back Bar, Front View

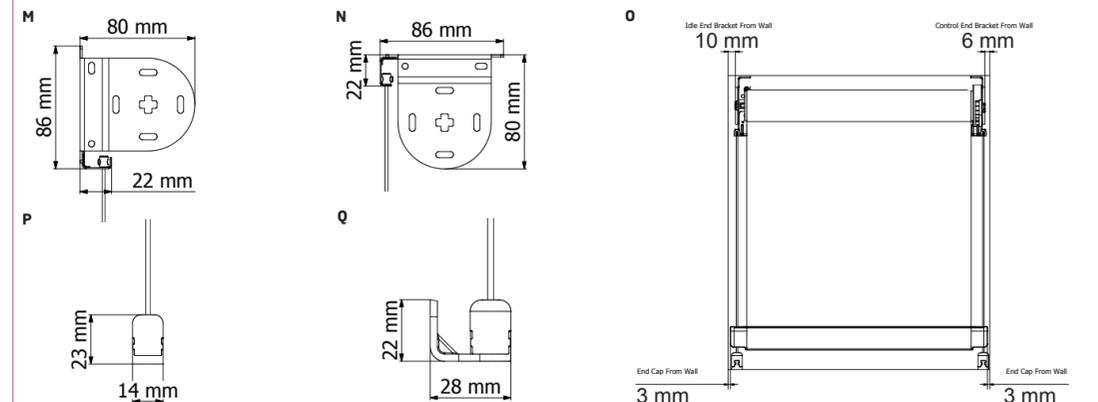
System 45+®

System 40/45® Extension Bracket



- G. System 45+® Standard Metal Bracket Face Fix
- H. System 45+® Standard Metal Bracket Top Fix
- I. System 45+® Standard Metal Bracket Top Fix Front View
- J. System 45® Extension Bracket Face Fix
- K. System 45® Extension Bracket Top Fix
- L. System 45® Extension Bracket Top Fix Front View

System 45® Guide Wire



- M. System 45® Guide Wire Bracket Face Fix
- N. System 45® Guide Wire Bracket Top Fix
- O. System 45® Guide Wire Bracket Top Fix Front View
- P. System 45® Guide Wire Base Plate
- Q. System 45® Guide Wire Base Plate - Face Fix