



MANUAL BLIND



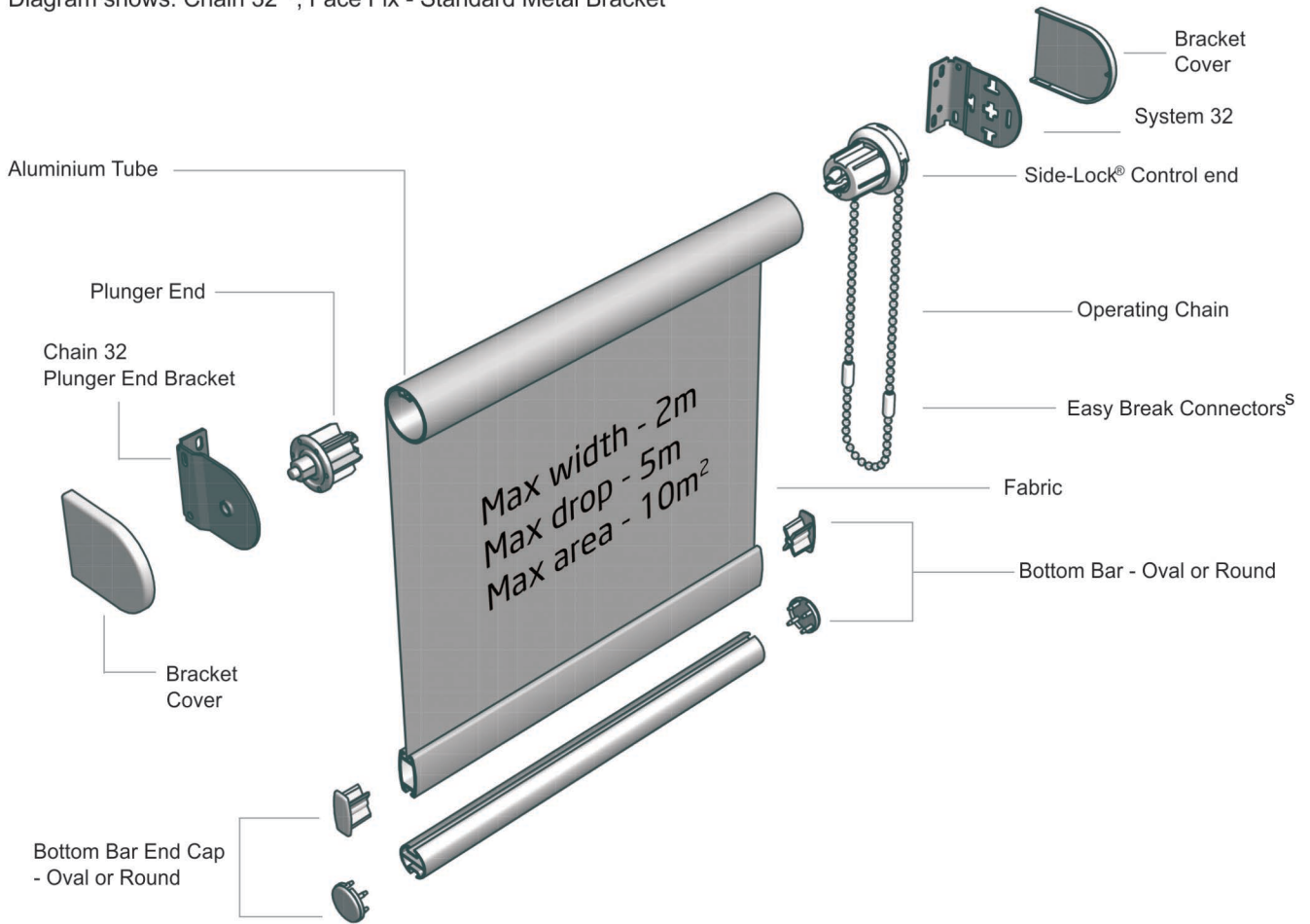
Louvolux Chain 32 Roller Blind System

- The Louvolux Chain 32 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 Louvolux 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 Slide Lock® maintain the appearance of blinds for longer.
- Unique bracket securing pin for safety after installation.
- Cassette systems available in white, cream, grey or black finish or with the ability to co-ordinate with fabric
- Guide-wire system is available to hold fabric parallel to the window when the blind is operated.
- New gated sprocket wheel for smooth, effortless operation. Double spring option for use with heavy weight fabrics.



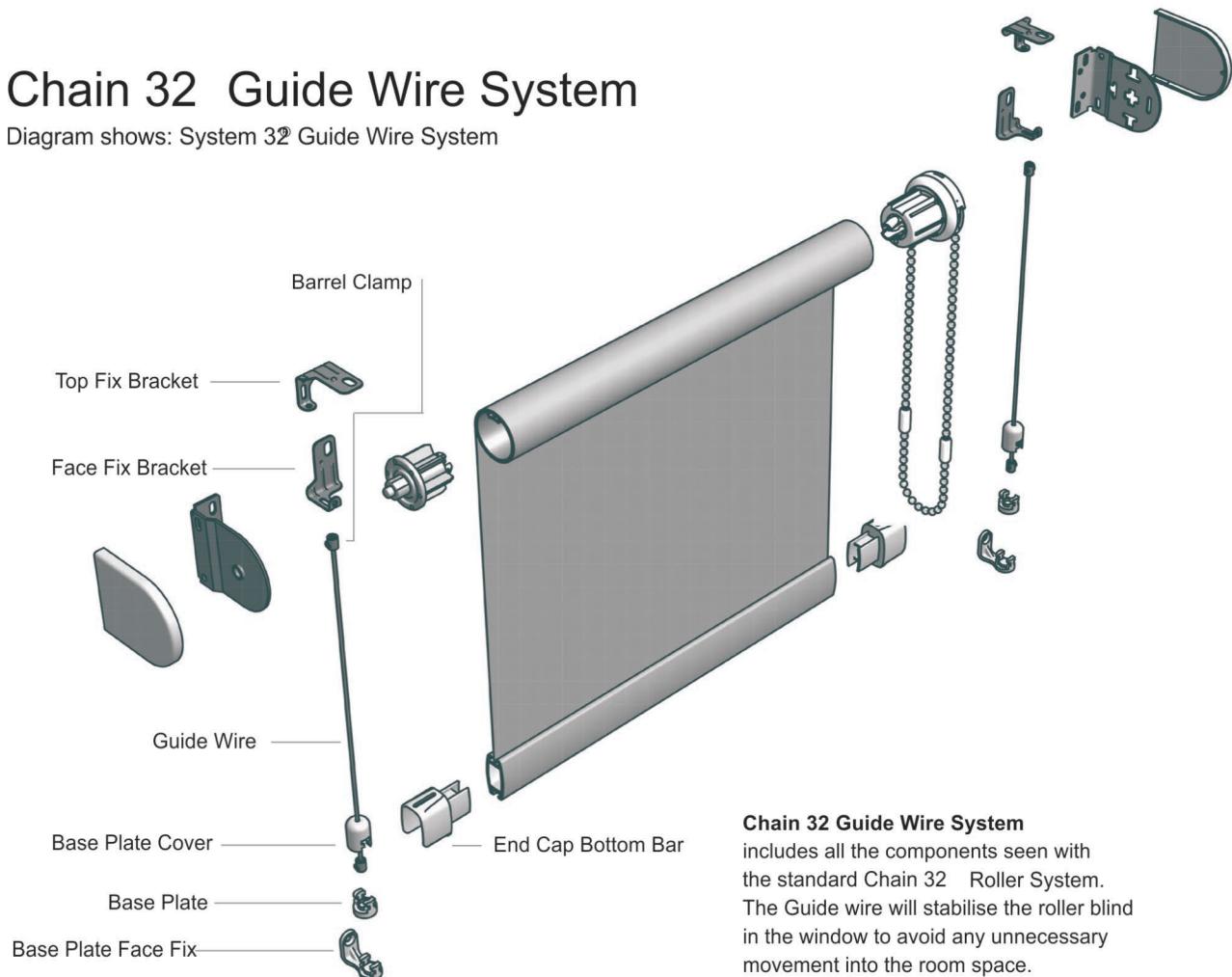
Chain 32

Diagram shows: Chain 32[®], Face Fix - Standard Metal Bracket



Chain 32 Guide Wire System

Diagram shows: System 32[®] Guide Wire System

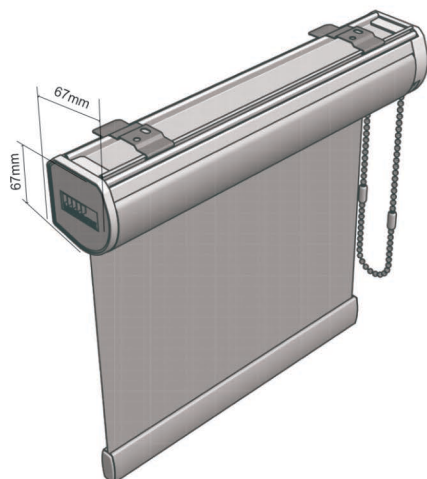


Chain 32 Guide Wire System

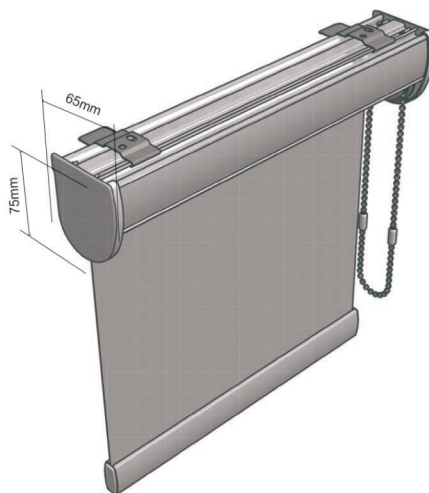
includes all the components seen with the standard Chain 32 Roller System. The Guide wire will stabilise the roller blind in the window to avoid any unnecessary movement into the room space.

Additional options

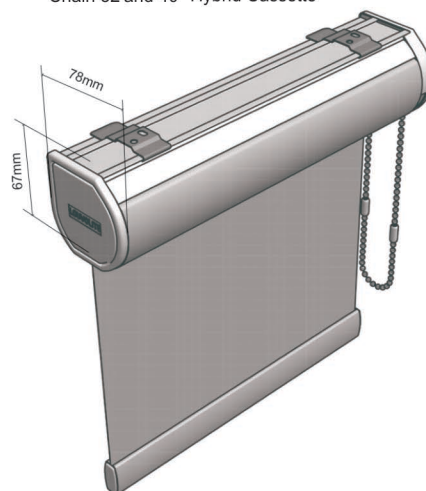
Chain 32 Closed Cassette system



Chain 32 Open Cassette system



Chain 32 and 40® Hybrid Cassette



Closed 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 top fix or face fix brackets that can be fitted along the whole length of the cassette. The snap fix fascia can be white, cream, grey or black or with a matching fabric profile.

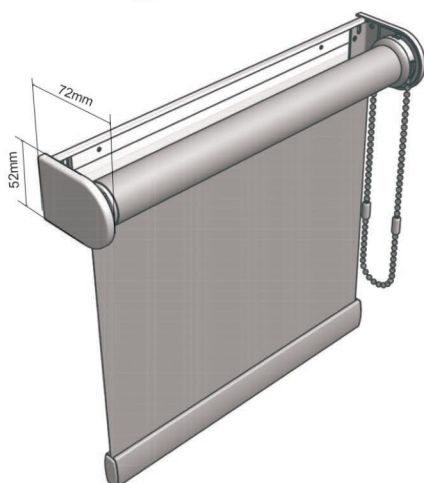
Open Cassette

All component parts and fabric are enclosed within a sleek cassette system. Fast, multiple installations can be achieved using top fix or face fix brackets that can be fitted along the whole length of the cassette. The single piece fascia can be white, cream, or black or with a matching fabric profile.

Hybrid 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 top fix or face fix brackets that can be fitted along the whole length of the cassette. The snap fix fascia can be white, cream, grey or black or with a matching fabric profile. Available for Chain 32® and Chain 40®.

Back bar mounting plate/brackets



Back Bar Mounting Plate/ brackets

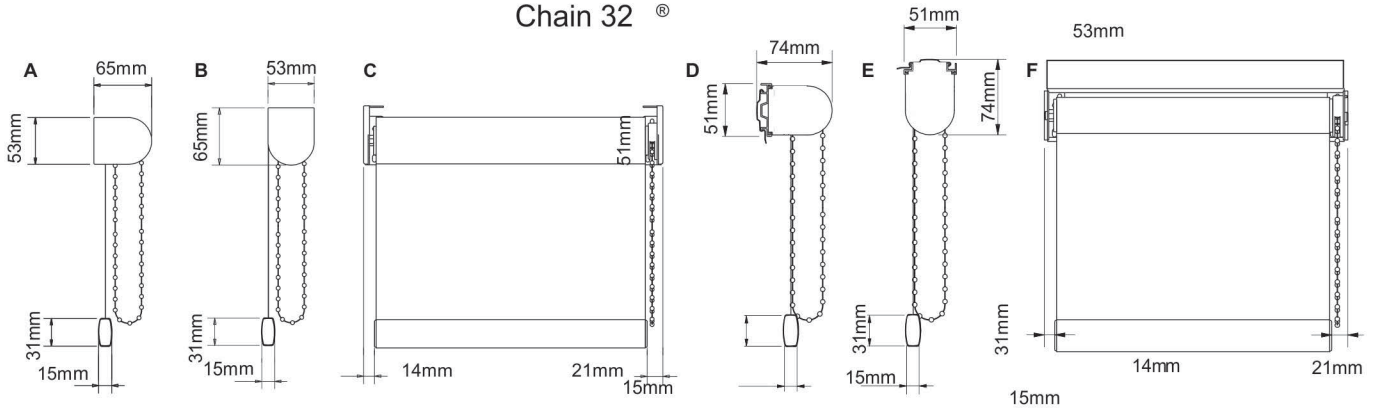
Stove enamelled finish on galvanised steel. The mounting brackets are designed to allow top or face fix installations. The bracket design enables quick and simple installation whilst minimising the light gap between the blind and the recess.

Louvolux Side Control Systems Maximum Recommended Blind Size

System	Fabric Group	Blind Width (metres)				Max holding weight
		0.50	1.00	1.50	2.00	
Chain 32 (White Pin)	up to 200 g/m sq	3.00	3.00	3.00	2.00	4lb blind @ 0.16 inches
	200 > 320 g/m sq	1.70	2.00	2.00	1.50	
	320 > 485 g/m sq	1.90	2.00	2.00	1.50	
Chain 32 (Blue Pin)	up to 200 g/m sq	4.00	4.00	4.00	4.00	6lb blind @ 0.16 inches
	200 > 320 g/m sq	3.00	3.00	3.00	3.00	
	320 > 485 g/m sq	1.90	1.90	1.90	1.90	
Chain 32 (Red Pin)	up to 200 g/m sq	4.00	4.00	4.00	4.00	8lb blind @ 0.20 inches
	200 > 320 g/m sq	3.00	3.00	3.00	3.00	
	320 > 485 g/m sq	3.00	3.00	2.50	2.50	

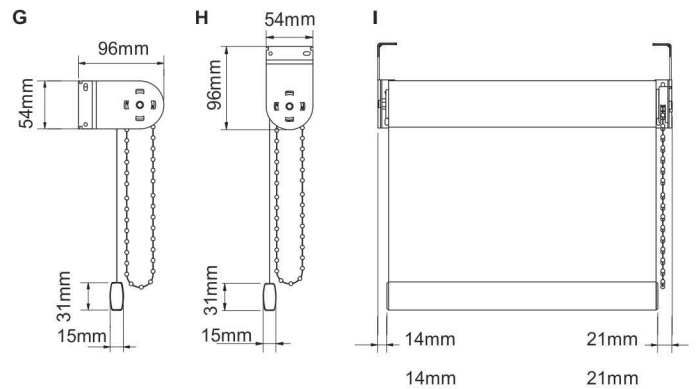
Chain 32 - Bracket Dimensions

Chain 32[®]



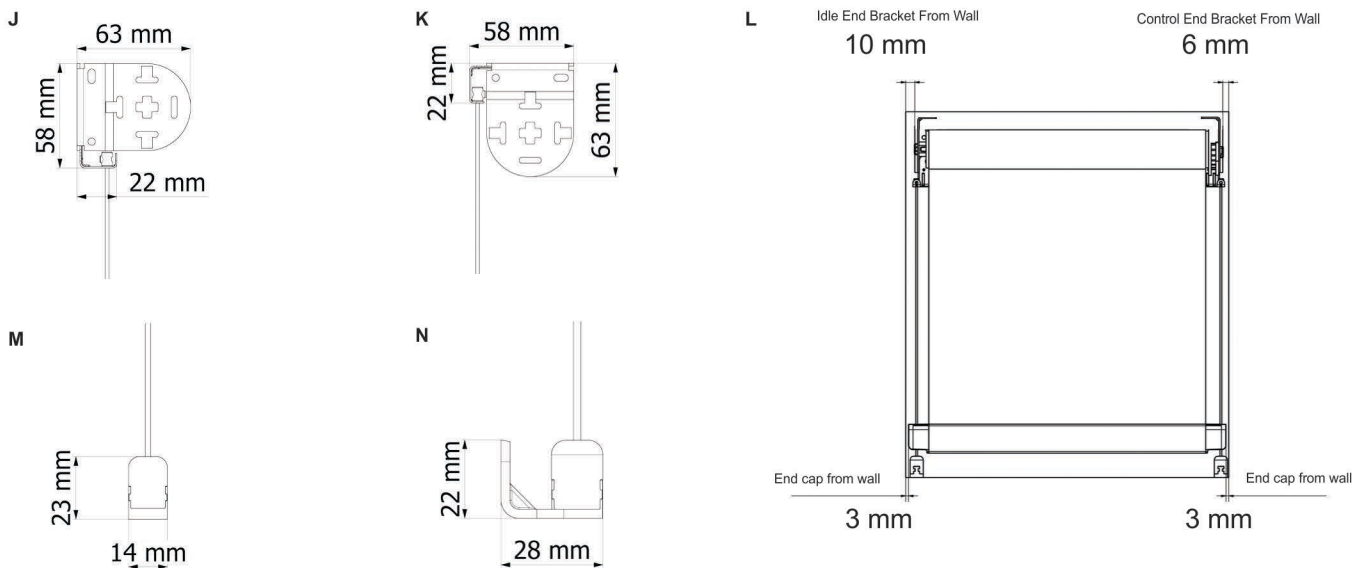
- A. Chain 32[®] Standard Metal Bracket Face Fix & cover
- B. Chain 32[®] Standard Metal Bracket Top Fix & cover
- C. Chain 32[®] Standard Metal Bracket Top Fix Front View
- D. Chain 32[®] Standard Metal Bracket Face Fix with Back Bar
- E. Chain 32[®] Standard Metal Bracket Top Fix with Back Bar
- F. Chain 32[®] Standard Metal Bracket Top Fix with Back Bar, Front View

Chain 32[®] Extension Bracket



- G. Chain 32[®] Extended Metal Bracket Face Fix
- H. Chain 32[®] Extended Metal Bracket Top Fix
- I. Chain 32[®] Extended Metal Bracket Top Fix Front View

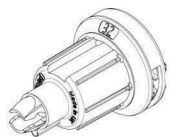
Chain 32[®] Guide Wire



- J. Chain 32 Guide Wire Bracket Face Fix
- K. Chain 32[®] Guide Wire Bracket Top Fix
- L. Chain 32[®] Guide Wire Bracket Top Fix Front View
- M. Chain 32 Guide Wire Base Plate
- N. Chain 32[®] Guide Wire Base Plate - Face Fix

Chain 32 Roller System Components

System 32



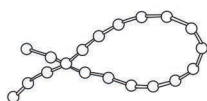
Control End - Chain 32

Patented universal side control operating unit featuring stainless steel wrap spring clutch mechanism. The control end unit features a locking feature to secure the unit into the bracket.
Available in a variety of colours.

Product specification

Sprocket / sprocket guard acetal
Other parts glass filled nylon 6
Spring lock friction system
Unique bracket securing pin
Choice of nylon or metal chain drive
Colour: white, cream, brown, grey or black

Chain



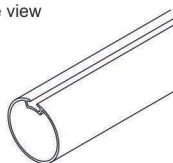
Available in nickel plated brass, stainless steel or plastic. The pitch of the operating chain is designed to provide a smooth and silent operation. Available in a variety of colours, each chain system has a variety of connector units to allow for child safe operation where required.

Product specification

Acetal ball - colour: white or brown
Zinc plated - colour: silver or gold
Stainless steel
Easy break chain connector for child safety

Standard Tube - Chain 32 ®

Side view



End views



Tempered aluminium tube is used to ensure a high degree of torsional strength. The design allows for full integration of the selected fabric and also provides maximum resistance to tube deflection.

Product specification

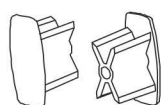
100% aluminium
Lengths: 5m (5.5 yard) maximum

System 32 Outside diameter: 32mm (1 1/4"), wall thickness: 1.05mm (1/32"), fabric locating slot: 1, strengthening fin: 4mm (5/32")

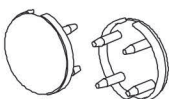
plastic brackets reduced
System 32®

Bottom Bar End Caps (oval or circular)

Oval



Circular



plunger end

plastic brackets reduced

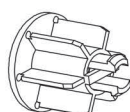
Co-ordinating end caps apply the appropriate finish to the bottom rail assembly.

Product specification

Oval: nylon / polypropylene
Colour: white, beige or clear

Circular: nylon
Colour: white or grey

Plunger End - Chain 32 ®



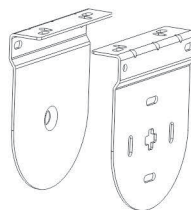
plunger end

Plunger end System
A sprung loaded plunger end allows for quick and easy installation by a single individual, even on larger blinds.

Product specification

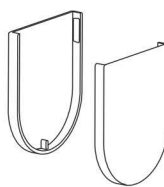
Nylon 6
Colour: white, cream, brown, grey or black

Brackets (metal) and Bracket Covers



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

Brackets are available in metal and plastic. Extension brackets are available if required. Brackets are colour keyed to operating system colour. Covers for the mounting brackets are available to suit each size.



plastic bracket covers

Product specification

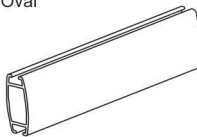
Universal fixing points: side, face or top fix
Mild steel, zinc plated and powder coated
Thickness: 1.5 mm
20mm wide fixing plate
Colour: white, cream, brown, grey or black

Bracket covers
Available to suit each colour of bracket above

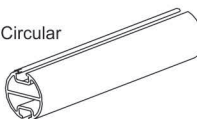
Product specification
Glass filled nylon
Colour: white, cream, brown, grey or black

Bottom Bar

Oval



Circular



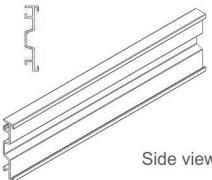
Oval and round rails are available in aluminium in both anodised or white finish. The oval range is also available in UPVC with white, beige or clear finish. The design of the rails allows for concealed and secure location of the selected fabric. Wooden bottom rails can be fixed to the fabric for decorative or co-ordinating effect.

Product specification

Lengths: 5m (5.5 yard)
Overall dimensions oval: 15x30 mm
Outside diameter round: 23mm
Wall thickness - oval: 1.2 mm, round: 1.25mm

Back Bar Mounting Plate

End view



Side view

The back bar mounting plate is available for use with Chain 32 operating system and allows for ease of installation at sites where conventional installation options might be difficult.

Product specification

100% aluminium
Colour: white

Hardware Specification

Chain 32[®] Roller

Roller Blinds should be manufactured using the Louvolite Chain 32[®] Roller Blind mechanism with specifically designed grooved 32mm 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 acetal 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.

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 Chain 32[®] 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.



Chain 32[®] Cassette Roller Blind System

Roller Blinds with Cassettes should be manufactured as per the standard Louvolite Chain 32[®] 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.

Chain 32[®] Guide Wire Roller Blind System

Roller Blinds with guide wires should be manufactured as per the standard Louvolite Chain 32[®] and include dedicated brackets, PVC coated wire and glass filled nylon plastic base or side fixing units.

Your Louvolux Chain 32[®] Distributor:



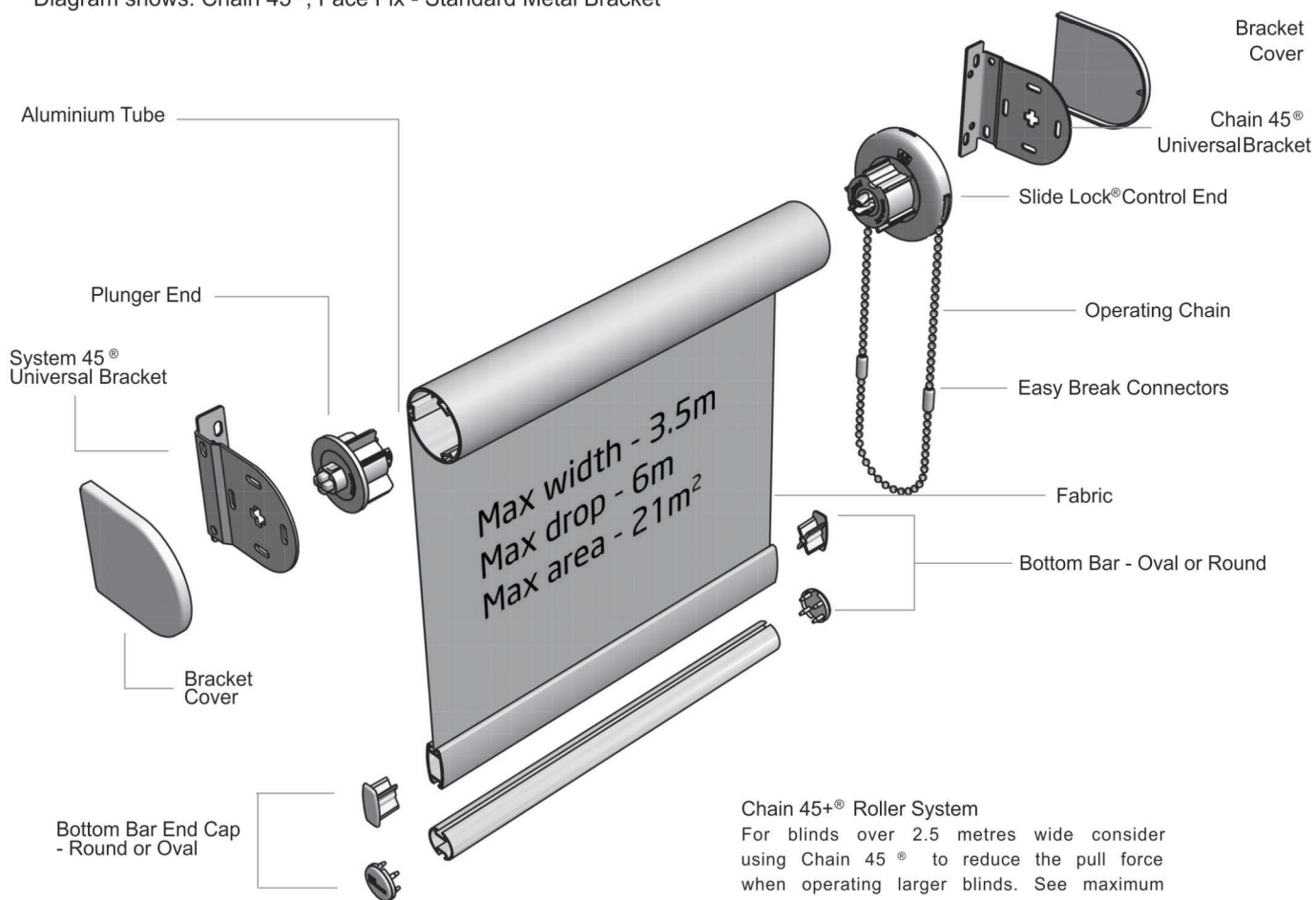
Louvolux System 45[®] Roller Blind System

- The Louvolux Chain 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.



Chain 45 Roller System

Diagram shows: Chain 45®, Face Fix - Standard Metal Bracket

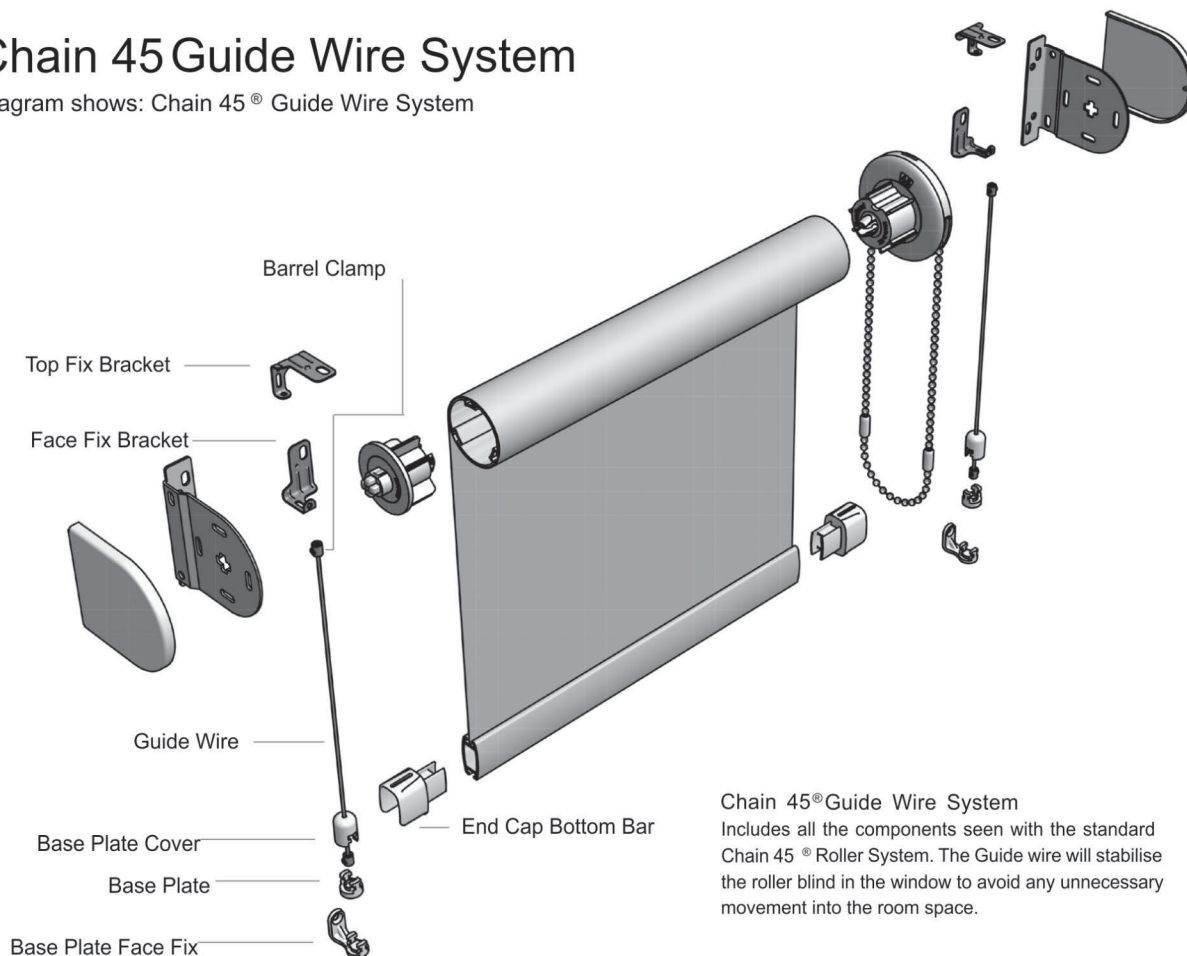


Chain 45+® Roller System

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

Chain 45 Guide Wire System

Diagram shows: Chain 45® Guide Wire System

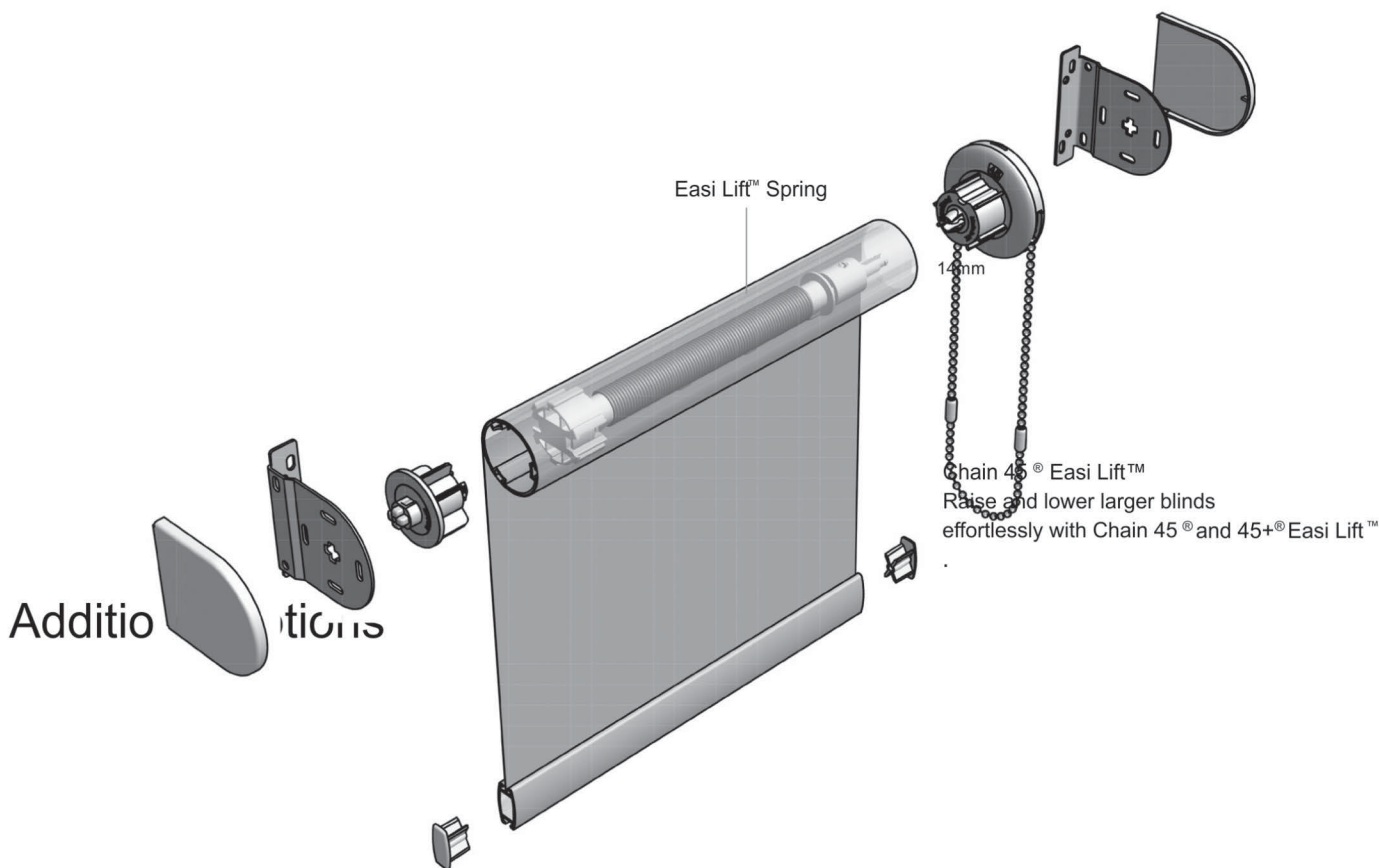


Chain 45® Guide Wire System

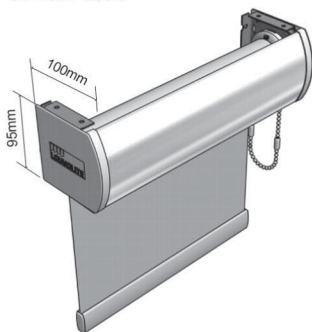
Includes all the components seen with the standard Chain 45® Roller System. The Guide wire will stabilise the roller blind in the window to avoid any unnecessary movement into the room space.

Chain 45 Easi Lift

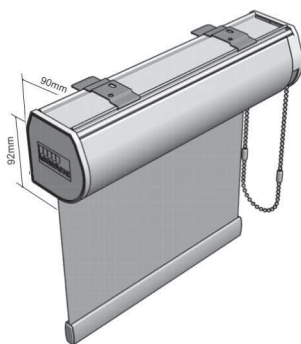
Diagram shows: Chain 40® Easi Lift™



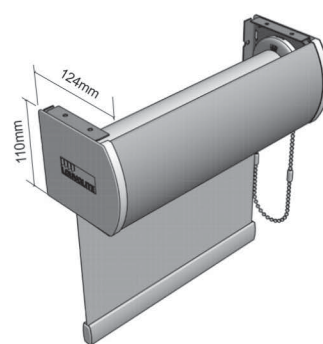
Chain 45® 3 Inch Curved Fascia



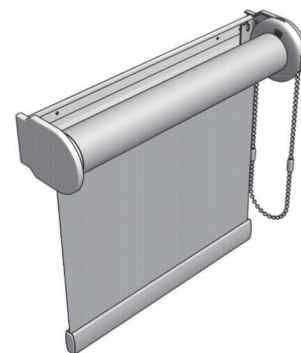
Cassette Chain 45



Chain 45® 4 inch Curved Fascia



Back Bar Mounting Plate/Brackets



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

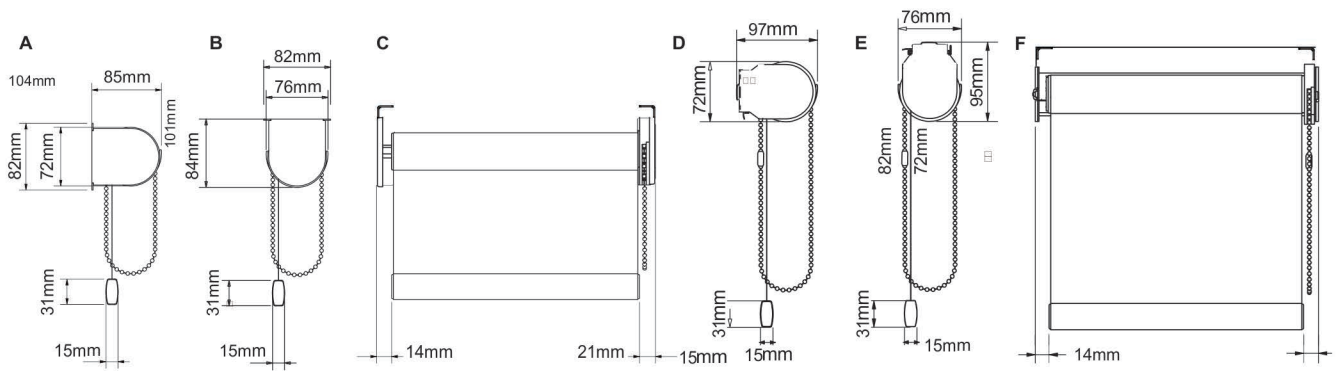
All component parts and fabric are enclosed within a rounded fascia resulting in a compact, robust system with a streamlined appearance. Fast, multiple installations can be achieved using brackets that can be fitted along the whole length of the cassette. The snap fix fascia can be white, grey or black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

Back Bar Mounting Plate/ brackets

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.

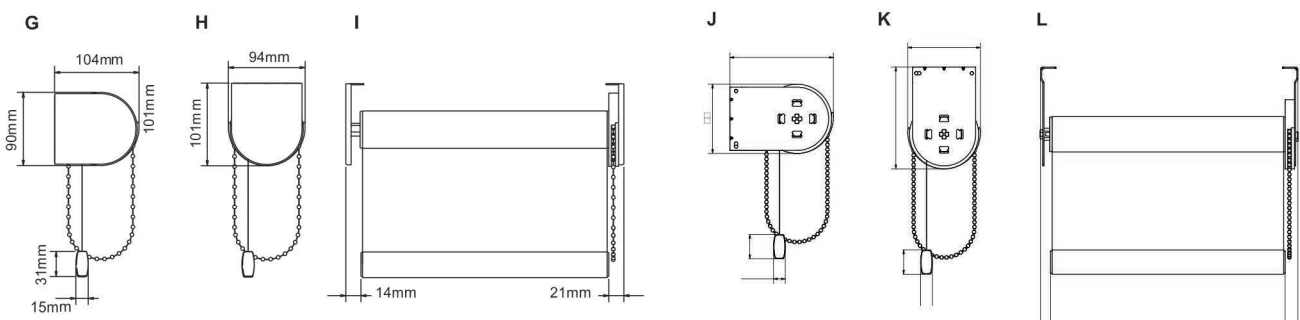
Chain 45® - Bracket Dimensions

Chain 45



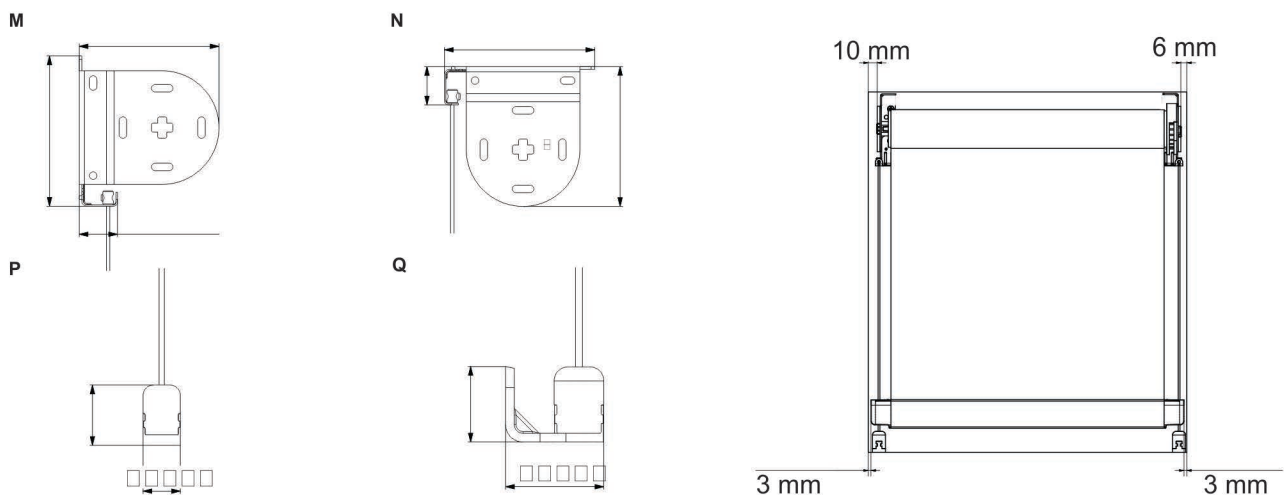
- A. Chain 45® Standard Metal Bracket Face Fix
- B. Chain 45® Standard Metal Bracket Top Fix
- C. Chain 45® Standard Metal Bracket Top Fix Front View
- D. Chain 45® Standard Metal Bracket Face Fix with Back Bar
- E. Chain 45® Standard Metal Bracket Top Fix with Back Bar
- F. Chain 45® Standard Metal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

Chain 40® Extension Bracket



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

Chain 45® Guide Wire



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

Roller Blind System - Multiple Blind Options



Duo link operation

Duo link operation

The Chain 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.

Power drive options

The Chain 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 Louvolux Chain 45[®] and 45+[®] roller blind operating systems.



Multi link operation

Multi link operation

The Chain 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.

Louvolux 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	
Chain 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		
Chain 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	3.25		

Hardware Specification

Chain 45[®] Roller System Roller Blinds should be manufactured using the Louvolite Chain 45[®] or Chain 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 acetal 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 Chain 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.



Chain 45[®] Cassette Roller Blind System

Roller Blinds with Cassettes should be manufactured as per the standard Louvolite Chain 45[®] and Chain 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.

Chain 45[®] Guide Wire Roller Blind System

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

Your Louvolux Chain 45[®] Distributor:



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