

POWERED BY



THE **BRADLEY**
COLLECTION

TECHNICAL GUIDE

TECHNICAL GUIDE

This technical guide is designed to be used alongside our
⚡ | Electric collections specification guides.

For further information, please contact your local sales
representative or The Bradley Collection directly.



Electrical installations must be carried out by
qualified professionals in accordance with relevant
wiring diagrams and local regulations.

Track Configurations Page 3-8

PROFILE Page 4

⚡ | ELECTRIC Page 5-7

HAND DRAWN Page 8

Curtain Information Page 9-16

Motors Page 17-20

Systems are manufactured to suit individual requirements. When calculating the system length, allow sufficient tolerance beyond the frame width to ensure curtains can fully draw clear of the window.

Systems exceeding the recommended maximum distance between brackets will be supplied in equal sections unless otherwise specified. Joiners will be included, and joining brackets should be installed at each joint.



Motor Type	Maximum system length	Maximum system length
	<i>Single Stack ▶</i>	<i>Pair Stack ▶◀</i>
Cresnet®	6096 mm (240')	6096 mm (240')
infiNET EX®	6096 mm (240')	6096 mm (240')

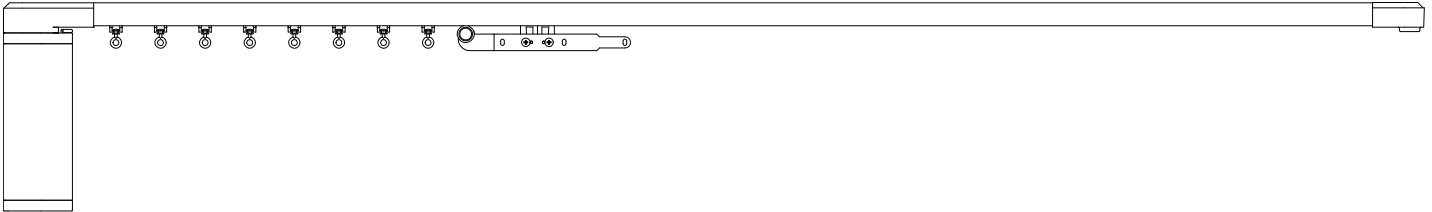
HAND DRAWN For windows or double treatments where motorisation is not required, hand drawn options are available.

ROLLERS

Systems ordered with Standard Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶



Supplied with 1x Overlap Arm. 3x Hook Point.

PAIR STACK ▶◀



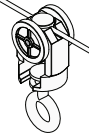
Supplied with 2x Overlap Arm. 6x Hook Point.



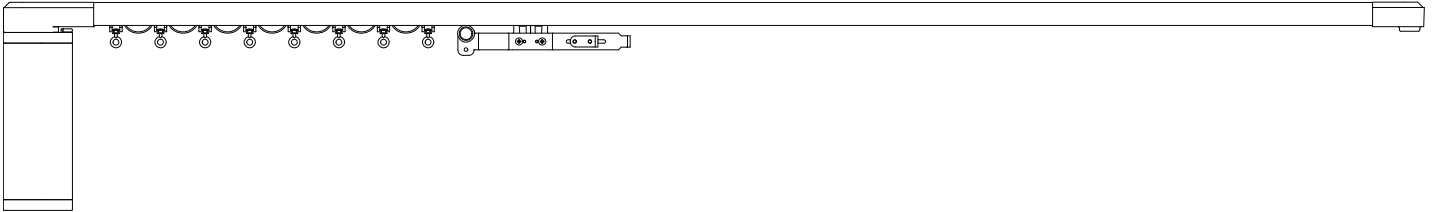
For Specification info on Overlap arms and Hook Points see page 14.

RIPPLE ROLLERS

Systems ordered with Ripple Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶



Supplied with 1x Ripple Arm. 3x Hook Point.

PAIR STACK ▶◀



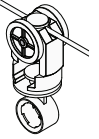
Supplied with 2x Ripple Butt Arm. 6x Hook Point.



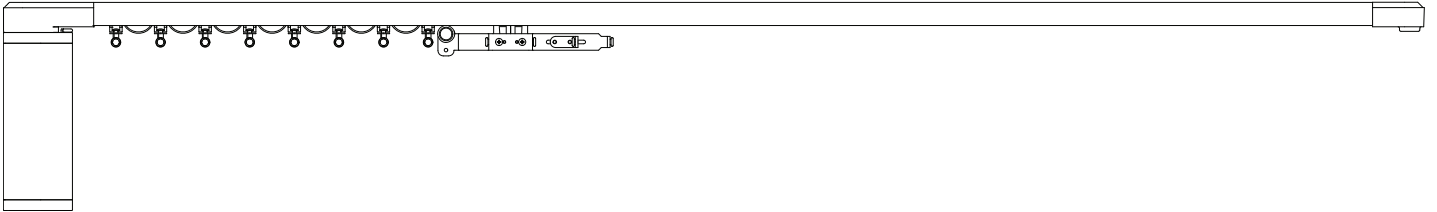
For Specification info on Ripple arms and Hook Points see page 15.

RIPPLEFOLD® ROLLERS

Systems ordered with Ripplefold® Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶



Supplied with 1x Ripplefold® Arm. 3x Ripplefold® Hook Point.

PAIR STACK ▶◀



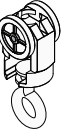
Supplied with 2x Ripplefold® Butt Arm. 6x Ripplefold® Hook Point.



For Specification info on Ripplefold® arms and Hook Points see page 16.

ROLLERS

Systems ordered with Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶

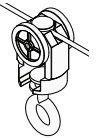


PAIR STACK ▶◀



RIPPLE ROLLERS

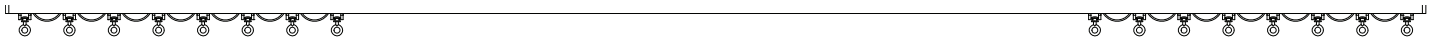
Systems ordered with Ripple Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶

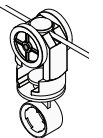


PAIR STACK ▶◀

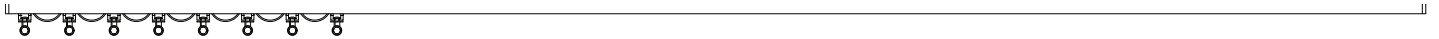


RIPPLEFOLD® ROLLERS

Systems ordered with Ripplefold Rollers will be supplied as per the diagrams below.



SINGLE STACK ▶



PAIR STACK ▶◀



STACKING OPTIONS

For electric systems, stacking configuration must be specified at the point of order, as it is set during assembly.

Ripple & Ripplefold® curtains require stack type (*single or pair*) to be confirmed when ordering, as this determines the number of rollers supplied.

SINGLE MOTOR - Single Stack ▶

On single stack systems the motor is always positioned on the stacking side. Allowing the motor to be hidden behind the curtain.



SINGLE MOTOR - Pair Stack ▶◀

Pair stack curtains can have the motor positioned at either end of the system. Curtains must be equal in length



STACK SIZES

The stack area is the space where curtains gather when fully open. Positioning the stack over the wall, rather than the glazing, allows more natural light into the room during the day. As a guideline, allow approximately 30% of the track length for curtain stacking. Fuller curtain styles (e.g. pencil pleat) and lined or interlined fabrics will require additional space.

SINGLE STACK ▶



PAIR STACK ▶◀



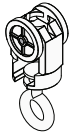
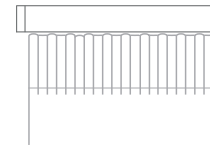
STANDARD HEADINGS

Standard rollers will be supplied every 100mm (4") unless otherwise specified.

Rollers can be loaded and removed from either end of the track after assembly by removal of the spring stop or return cover as shown.

STANDARD
Fullness 1.5

PINCH PLEAT
Fullness 2.0



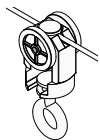
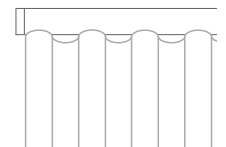
ROLLERS

Rollers are preferred for heavy drapery.
One roller is specified for every 100mm (4").

RIPPLE HEADING

Ripple is a simple S folded heading system consisting of rollers spaced by a cord and a special pocketed header tape that is sewn onto a flat panel curtain. When assembled in the track, the rollers on the cord are spaced at distance shown below and this fixes the 'pitch' of the ripple. The flat panel curtain(s) are made in the conventional way with the pocketed header tape sewn to the header. Hooks are fitted to header tape at a set spacing creating the ripple effect

RIPPLE



RIPPLE ROLLERS

60mm (2 3/8") • 80mm (3 1/8") spacing between the Rollers.

Roller-Cord Spacing	Curtain Hook Spacing	Approx. Curtain Fullness	Stack Depth <i>per 1M (39 1/8") of track</i>	Min Bracket Projection
60mm (2 3/8")	120mm (4 3/4")	2.3	270mm (10 5/8")	100mm (4")
80mm (3 1/8")	160mm (6 5/16")	2.3	180mm (7 1/16")	100mm (4")

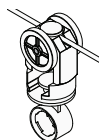
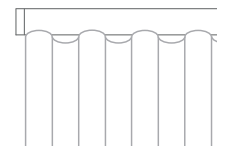
RIPPLEFOLD® HEADING

Ripplefold® is named for the soft, consistent wave pattern formed as the drapery hangs from the track, offering a clean and contemporary aesthetic.

Drapery is constructed using snap tape (Graber® required), allowing it to attach directly to the auxiliary carriers within the track.

Fullness is determined by carrier spacing. Higher fullness factors create a more luxurious appearance. Ripplefold® systems are available in two spacing options.

RIPPLEFOLD®



RIPPLEFOLD® ROLLERS

60mm (2 3/8") • 80mm (3 1/8") spacing between the Rollers.

Roller-Cord Spacing	Curtain Hook Spacing	Approx. Curtain Fullness	Stack Depth <i>per 1M (39 1/8") of track</i>	Min Bracket Projection
60mm (2 3/8")	120mm (4 3/4")	2.3	270mm (10 5/8")	100mm (4")
80mm (3 1/8")	160mm (6 5/16")	2.3	180mm (7 1/16")	100mm (4")

Different types of fabric have widely differing weights. The type of curtain heading used (see below) will determine the fullness of the fabric used: this can be anything from 1.5 x the width of the track to 3.0 x track width.

The chart below assumes 100% fullness (2.0x track width). Values are approximate and may vary depending on fabric type and construction. Always confirm the final curtain weight with the curtain manufacturer.

Curtain Type	Width↔ / Drop↕	1m (3.5')	2m (7')	3m (10.5')	4m (14')	5m (16.5')	6m (20')
Print Cotton <i>(Light)</i>	1m (3.5')	0.8kg (1.8lb)	1.7kg (3.7lb)	2.5kg (5.5lb)	3.4kg (7.4lb)	4.2kg (9.2lb)	5.0kg (11.1lb)
	2m (7')	1.3kg (2.8lb)	2.5kg (5.5lb)	3.8kg (8.3lb)	5kg (11.1lb)	6.3kg (13.9lb)	7.6kg (16.6lb)
	3m (10')	1.7kg (3.7lb)	3.4kg (7.4lb)	5kg (11.1lb)	6.7kg (14.8lb)	8.4kg (18.5lb)	10kg (22lb)
Linen <i>(Medium)</i>	1m (3.5')	1.1kg (2.3lb)	2.1kg (4.6lb)	3.2kg (6.9lb)	4.2kg (9.2lb)	5.3kg (11.6lb)	6.3kg (13.9lb)
	2m (7')	1.6kg (3.5lb)	3.2kg (6.9lb)	4.7kg (10.4lb)	6.3kg (13.9lb)	7.9kg (17.3lb)	9.5kg (20.8lb)
	3m (10')	2.1kg (4.6lb)	4.2kg (9.2lb)	6.3kg (13.9lb)	8.4kg (18.5lb)	10.5kg (23.1lb)	12.6kg (27.7lb)
Velvet <i>(Heavy)</i>	1m (3.5')	1.5kg (3.2lb)	3.2kg (6.5lb)	4.4kg (9.7lb)	5.9kg (12.9lb)	7.4kg (16.2lb)	8.8kg (19.4lb)
	2m (7')	2.2kg (4.9lb)	4.4kg (9.7lb)	6.7kg (12.6lb)	8.8kg (19.4lb)	11kg (24.3lb)	13.2kg (22lb)
	3m (10')	2.9kg (6.5lb)	5.9kg (12.9lb)	8.8kg (19.4lb)	11.8kg (26lb)	14.7kg (32.2lb)	17.6kg (39lb)

Maximum weight recommendations for all standard curtain types using roller are defined to ensure safe and proper function of the electric system. These must be adhered to. See table below for details of all options.

ROLLERS



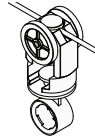
One roller is specified for every 100mm (4")

RIPPLE ROLLERS



Rollers spacing options
60mm (2 3/8") • 80mm (3 1/8")

RIPPLEFOLD® ROLLERS

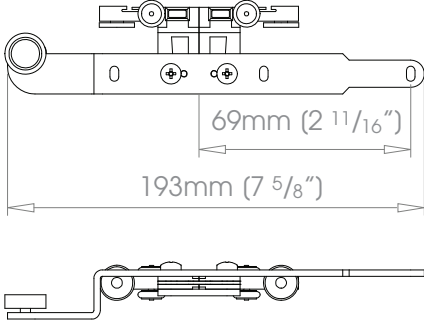


Rollers spacing options
60mm (2 3/8") • 80mm (3 1/8")

! Bends will considerably reduce the load bearing capability of any system.

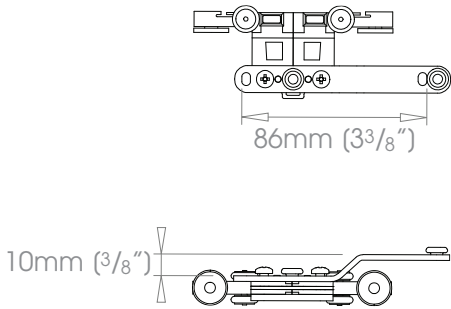
System Width <i>Single Stack ▶ / Pair Stack ▶◀</i>	Straight	1 Bend Bay	2 Bend Bay	4 Bend Bay	Curved Bay
6m (19.5')	79kg (175lb)	50kg (110lb)	36kg (80lb)	4 BEND BAYS REQUIRE 2X 2 BEND BAY SYSTEMS	36kg (80lb)
10m (33')	66kg (145lb)	45kg (99lb)	36kg (80lb)		36kg (80lb)

OVERLAP ARM - Single Stack ▶



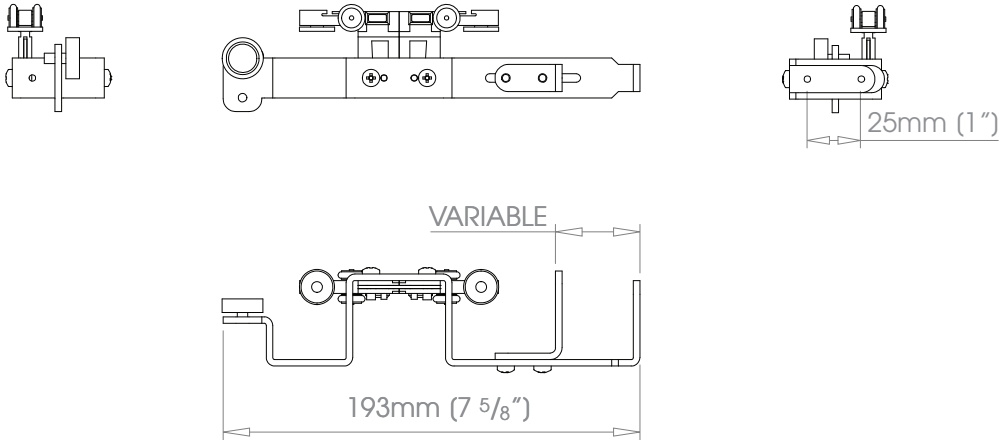
Supplied as standard on Single Stack Systems with Rollers

OVERLAP ARM - Pair Stack ▶◀



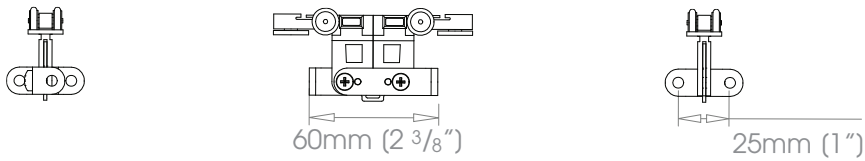
Supplied as standard on Pair Stack Systems with Rollers

RIPPLE ARM - Single Stack ▶



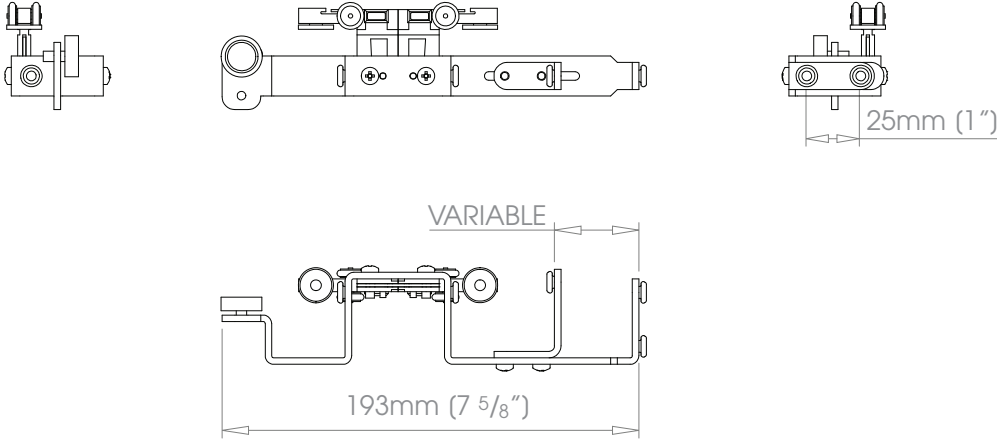
Supplied on single stack systems
with Ripple Rollers

RIPPLE BUTT ARM - Pair Stack ▶◀



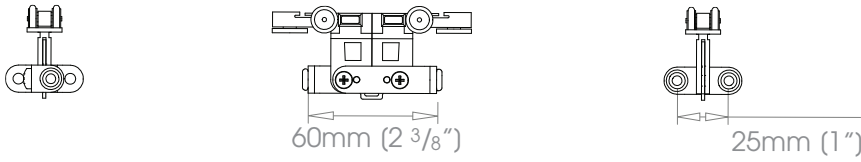
Supplied on pair stack systems
with Ripple Rollers

RIPPLEFOLD® ARM - Single Stack ▶



Supplied on single stack systems with Ripplefold® Rollers

RIPPLEFOLD® BUTT ARM - Pair Stack ▶◀

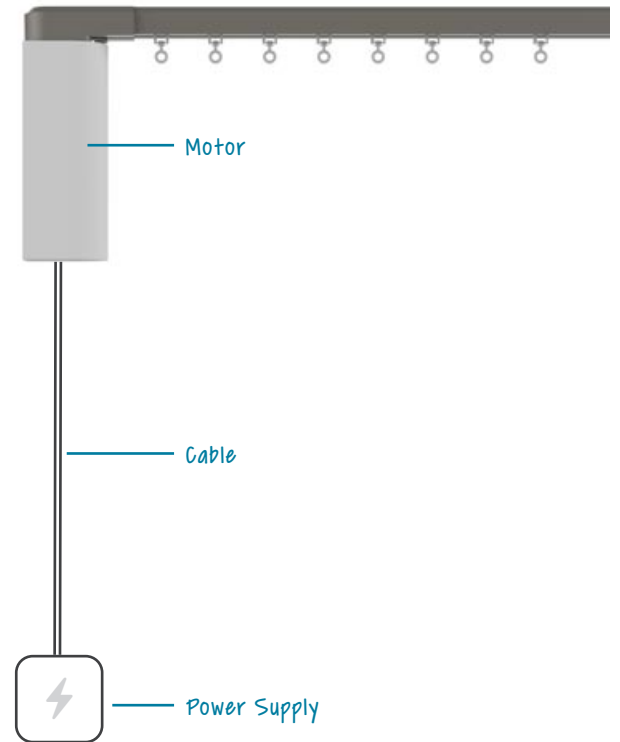


Supplied on pair stack systems with Ripplefold® Rollers

The mains-powered motor must be positioned on the same side of the window as the power supply.

Wiring diagrams are available upon request.

Motorised systems are unsuitable for use outdoors or in damp environments such as shower rooms and bathrooms.



LEFT HAND MOTOR



RIGHT HAND MOTOR



⚡ CRESNET MOTOR

Size	⌀231mm (9 ¹ / ₈ "") x w66mm (2 ⁵ / ₈ "") x D76mm (3")
Max Length	6096mm (240')
Max Weight	79kg (175lb)
Torque	1.62 Nm
Motor Speed	10-50 rpm
Duty Cycle	15 min on/15 min off at 1.62 Nm
Control	Cresnet

*Key features*

For Crestron® Drapery Systems with tracks up to 6096 mm (240")

Long-life brushless motor featuring Digital Quiet Motor Technology™ for nearly imperceptible operation

Built-in Cresnet® wired communications

Fully integrated design, with no external modules required

24 Volt low-voltage power

Real-time activity monitoring and status feedback

Touch Motion feature allows users to activate motor by simply pulling on drapery fabric

Local pushbutton interface for testing

Local diagnostic LEDs to indicate drapery system status

Smooth starts and stops with adjustable limits

Protective features that detect and react to obstructions in the drapery path to avoid motor or fabric damage

Limited Lifetime Warranty

⚡ EX MOTOR

Size	L231mm (9 ¹ / ₈ ") x W66mm (2 ⁵ / ₈ ") x D76mm (3")
Max Length	6096mm (240')
Max Weight	79kg (175lb)
Torque	1.62 Nm
Motor Speed	10-50 rpm
Duty Cycle	15 min on/15 min off at 1.62 Nm
Control	infiNET EX® wireless communications



Only available in Northern America

Key features

- For Crestron® Drapery Systems with tracks up to 6096 mm (240")
- Long-life brushless motor featuring Digital Quiet Motor Technology™ for nearly imperceptible operation
- Built-in infiNET EX® wireless communications
- Fully integrated design, with no external modules required
- 24 Volt low-voltage power
- Real-time activity monitoring and status feedback
- Touch Motion feature allows users to activate motor by simply pulling on drapery fabric
- Local pushbutton interface for testing
- Local diagnostic LEDs to indicate drapery system status
- Smooth starts and stops with adjustable limits
- Protective features that detect and react to obstructions in the drapery path to avoid motor

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THE BRADLEY COLLECTION



CEDIA
MEMBER

Specialised fixings for mounting brackets will be required in certain situations and are not provided as standard. Steel items are not recommended for damp conditions such as shower rooms. Crystal finials should not be positioned in direct sunlight, and are not suitable for use in conservatories.

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