

Smart Wave Curtain System



- The ultimate curtain rail system for design and functionality in wave curtains.
- Always maintains an elegant design without an exposed pitch keeper mechanism.
- Unique Smart Wave Rollers ensure perpetual smooth hand-draw operation, effortlessly passing rail joints, perfect for wide windows and jointed rails.
- Magnetic Curtain Stopper minimizes curtain stackback width maximizing window opening with intuitive hand-draw operation.
- Quick and easy installation by a single installer, saving time and effort.

Smart Wave Curtain System



Smart Wave: Creating Elegant, Functional Wave Curtains

What is Smart Wave Curtain System?



Smart Wave Curtain System is the ideal curtain rail system for creating elegant wave curtains.

It allows for the creation of beautiful wave patterns without exposing any pitch-keeper tape, preserving the design's integrity. No special materials or sewing techniques are required. Its unique wheeled rollers ensure a consistently smooth hand-drawing experience.

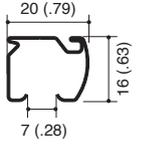
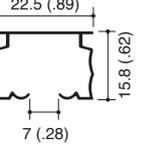
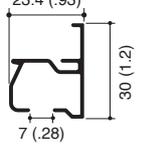
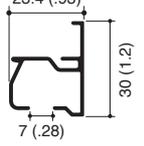
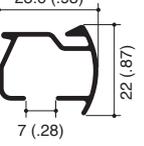
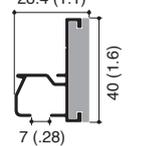


Instruction Movie

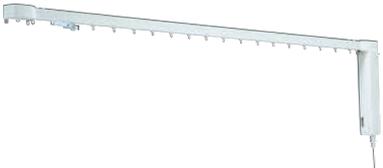
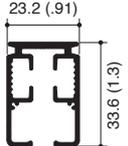
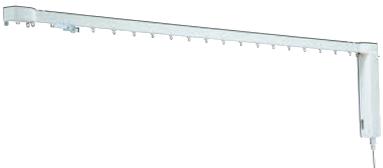
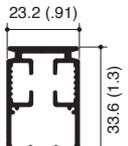
The innovative magnetic curtain stopper maximizes window opening while enabling intuitive hand-drawing operations.

Available Curtain Rails with Smart Wave Curtain System

Manual Operation Products

Product	Section Unit: mm (")	Colors	Weight by Roller	Weight by Curtain (oneway weight)	Bending	Link to WEB Catalog
 <p>Nexty</p>	 <p>20 (.79) 16 (.63) 7 (.28)</p>	14 colors	 1.5 kg /3.3 lb	20 kg /44 lb (10 kg /22 lb)	○	
 <p>New Delac</p>	 <p>22.5 (.89) 15.8 (.62) 7 (.28)</p>	5 colors	 1.5 kg /3.3 lb	20 kg /44 lb (10 kg /22 lb)	○	
 <p>Legato Uni</p>	 <p>23.4 (.93) 30 (1.2) 7 (.28)</p>	3 colors	 1.5 kg /3.3 lb	20 kg /44 lb (10 kg /22 lb)	—	
 <p>Legato Square</p>	 <p>23.4 (.93) 30 (1.2) 7 (.28)</p>	5 colors	 1.5 kg /3.3 lb	20 kg /44 lb (10 kg /22 lb)	—	
 <p>Legato Primo</p>	 <p>23.6 (.93) 22 (.87) 7 (.28)</p>	7 colors	 1.5 kg /3.3 lb	20 kg /44 lb (10 kg /22 lb)	—	
 <p>Legato Gran</p>	 <p>28.4 (1.1) 40 (1.6) 7 (.28)</p>	6 colors	 1.5 kg /3.3 lb	20 kg /44 lb (10 kg /22 lb)	—	 <p>*Japanese version catalog only</p>

Motorized Products

Product	Section Unit: mm (")	Colors	Weight by Roller	Weight by Curtain (oneway weight)	Bending	Link to WEB Catalog
 <p>Progress</p>	 <p>23.2 (.91) 33.6 (1.3)</p>	1 color	 1.5 kg /3.3 lb	80 kg /176 lb (40 kg /88 lb)	○	
 <p>Ti-8040</p>	 <p>23.2 (.91) 33.6 (1.3)</p>	1 color	 1.5 kg /3.3 lb	40 kg /88 lb (20 kg /44 lb)	○	

Smart Wave Curtain System

Main Features

Smart Design

— Invisible, Tangle-free Cord

Typical Curtain Rails



- ✗ The cord comes out from the rail.
- The cord gets tangled in the roller and hook.

Smart Wave Curtain System

PAT.P



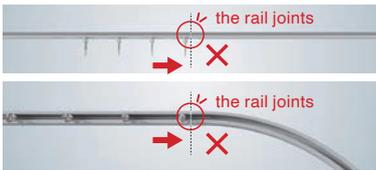
- Neatly folded tape remains within the rail, "tangle-free".

- This achieves the supreme design and functionality of wave curtains. Even when the curtain is fully opened or fully closed, the Pitch Keep mechanism is not exposed, realizing a flawless wave curtain.
- The Pitch Keep tape does not entangle with the carriage rollers, minimizing the curtain folds.

Smart Adaptability

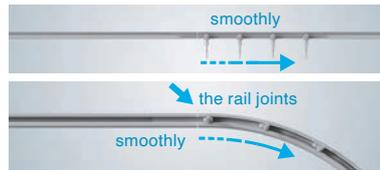
— Seamless Hand-draw at Joints

Typical Curtain Rails



- ✗ The slider tends to get stuck at the rail joint.

Smart Wave Curtain System



- The roller runs smoothly over the joint sections.

- Our unique roller with wheel ensures a comfortable feeling in the opening and closing of curtains semi-permanently.
- The curtains can smoothly pass through the rail joints even when they are used joined, accommodating the growing market needs for wide windows and curved rails.
- By supporting the jointing of short-length rails, it contributes to solving logistical issues, including reducing shipping costs.

Smart Operation

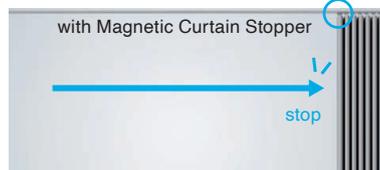
— Maximized Window Opening with Smooth Hand-draw

Typical Curtain Rails



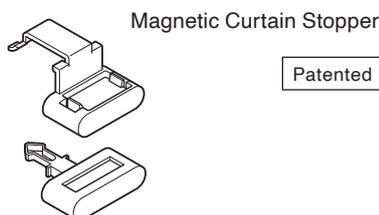
- ✗ When the curtains are fully opened, they tend to close again due to the rebound of the fabric.

Smart Wave Curtain System



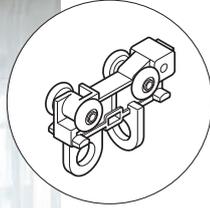
- Curtain can be stopped at any position so that no need tieback to make beautiful wave curtain.

- Wave curtains tend to have excessive gathering when fully opened; however, with the Magnetic Curtain Stopper, this gathering is minimized, allowing for maximized window openness.
- The use of magnets enables the curtains to be opened and closed intuitively by hand without any special action.



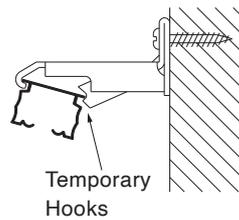
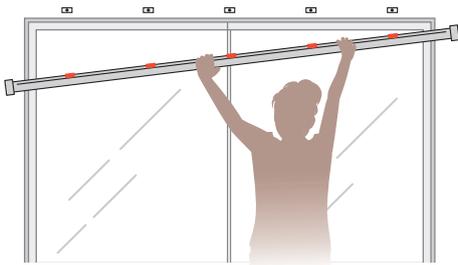
Other Features

Smart Wave One-way MG Carrier



Smart Wave One-way MG Carrier allows you to open and close the curtain from both sides of the rail. Even floor height windows allow people to enter and exit smoothly.

Easy Installation to Reduce Installation Cost



Easy, fast installation by one craftsman, thanks to our bracket's holding mechanism—a solution for labor shortages and high costs.

Universal Design

Smart Wave Roller and Magnetic Curtain Stoppers allow for smooth opening and closing even when operated by hand, eliminating the need for dangerous operation cords and collision-prone batons. This ensures intuitive operation and child safety. Moreover, the enduring smooth operation makes it virtually maintenance-free.



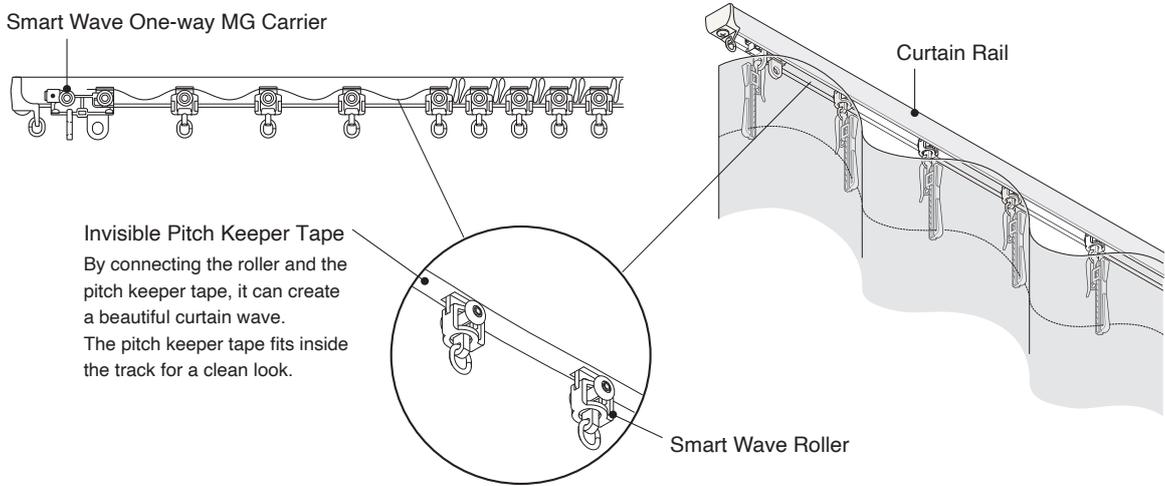
No hazardous operating cords are required.



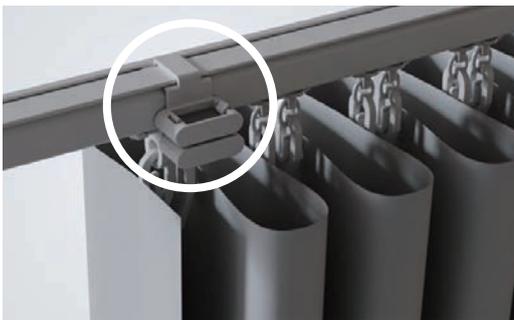
Smart Wave Curtain System

Structure

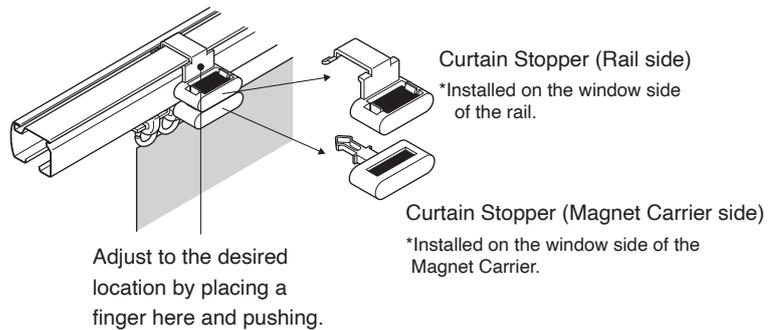
Smart Wave Curtain System



Curtain Stopper



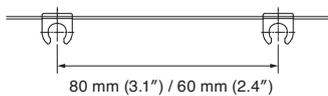
*Ceiling attachment is impossible.



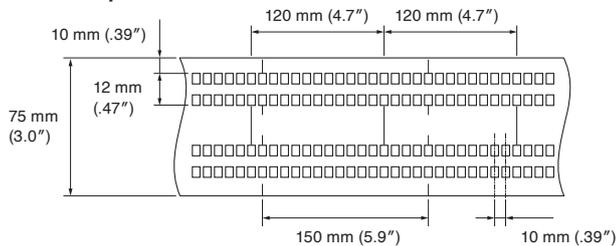
The Curtain Stopper (Patented) makes it possible to keep curtains open to their widest extent. Even curtains that tend to close because of the material of the curtain fabric.

Dimension of Components

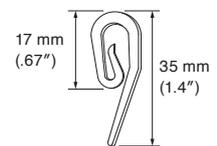
• Invisible Pitch Keeper Tape 80/60



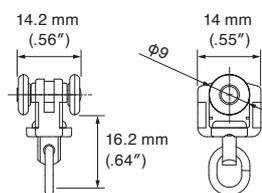
• Wave Tape II



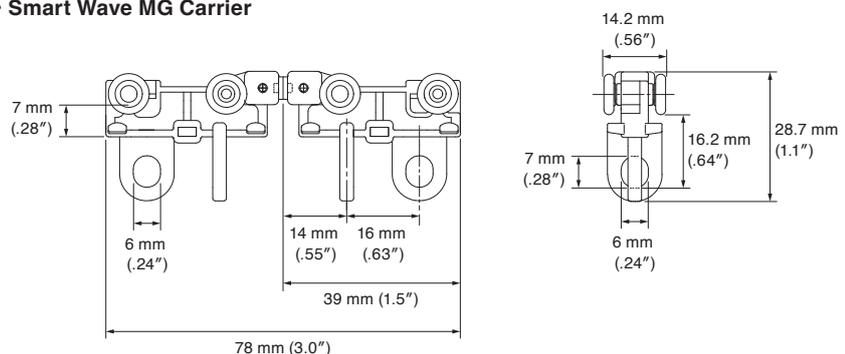
• Gather Hook NN-10



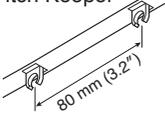
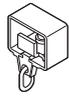
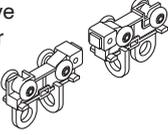
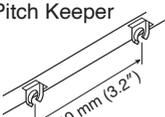
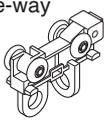
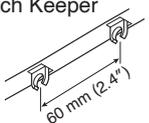
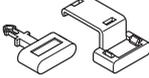
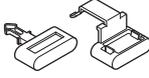
• Smart Wave Roller



• Smart Wave MG Carrier



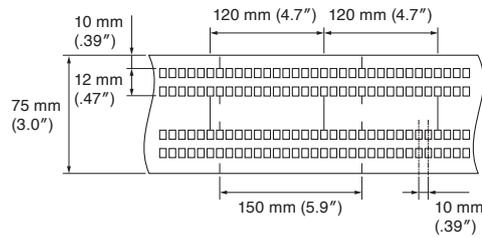
Smart Wave Curtain System Parts

Product Name		Product Code	Product Name		Product Code	Product Name		Product Code
Rollers	Smart Wave Roller 	30018621	Other Parts	Invisible Pitch Keeper Tape 80 (15 m) 	30018624	End Cap *	End Cap for Smart Wave New Delac 	Natural 30018808
	Smart Wave MG Carrier 	30018622		Invisible Pitch Keeper Tape 80 (50 m) 	30018625		Black 30018809	
	Smart Wave One-way MG Carrier 	30018623		Invisible Pitch Keeper Tape 60 (50 m) 	30019302		Umber 30018810	
Other Parts						Other Parts	Curtain Stopper for Smart Wave New Delac 	30018807
							Curtain Stopper for Smart Wave Nexty 	03570006

*Nexty and Legato Series:
Standard End Caps are available for Smart Wave.

Sewing component to enhance the Smart Wave style

Wave Tape II



Wave Tape II is a tape designed to enhance the suspension of wave curtains, providing a balanced tension and softness. It allows hook insertion at 1 cm intervals, with markers for hook placement at 12 cm and 15 cm intervals. Feel free to use it at your preferred fullness.

Tape Width	Material	Fullness	Using Hooks	Measurement from Tape End to Grommet Bottom
75 mm	Polyester 100%	1.5 times fullness (with a 12 cm interval)	Gather hook NN-10	8 mm
		1.875 times fullness (with a 15 cm interval)		



Wave Tape II + Flat Curtain



Flat Tape + Flat Curtain

Smart Wave Curtain System

Curtain Wand

To keep the Wave Style, the Smart Wave Curtain System product is available with a Curtain Wand that attaches to the leading MG Slider. It is easy to operate high curtains and thick/heavy curtains, and prevents stains and wrinkles because the curtain fabric is not directly touched.

Curtain Wand / White (steel)

SIAA ISO 21702 Anti Virus
Inorganic antiviral processing agent /printed
Grip
JP0612873X0004M

SIAA ISO 22196 Anti Bacteria
Inorganic synthetic antibacterial finishing agent /printed
Grip
JP0122873X0004I

54 mm (2.1")
450 mm (18")
700 mm (27")
900 mm (35")
1,200 mm (47")
1,500 mm (59")

φ8 mm (.31")
80 mm (3.1")
φ17 mm (.67")

Anti-virus and anti-bacterial processing

Materials	steel
Curtain Wand Product Code	
White	450 mm 30018973
	700 mm 30018974
	900 mm 30018975
	1,200 mm 30018976
	1,500 mm 30018977

Curtain Wand / Clear (resin)

SIAA ISO 21702 Anti Virus
Inorganic synthetic antiviral processing agent /printed
Bottom of pole
JP0612873X0005N

SIAA ISO 22196 Anti Bacteria
Inorganic synthetic antibacterial finishing agent /printed
Bottom of pole
JP0122873X0005I

54 mm (2.1")
450 mm (18")
700 mm (27")
900 mm (35")

φ10 mm (.39")
130 mm (5.1")
φ10 mm (.39")

Anti-virus and anti-bacterial processing

Materials	resin
Curtain Wand Product Code	
Clear	450 mm 30018978
	700 mm 30018979
	900 mm 30018980

Curtain Wand White and Clear are SIAA safety standards compliant for antiviral performance. It reduces the number of specific viruses on the product.

The SIAA mark is displayed on products that have been evaluated according to the ISO 21702 and ISO 22196 methods, and whose quality control and information have been disclosed under the Antimicrobial Product Technology Council guidelines.

Anti-virus processing

- This product is not a pharmaceutical product.
- It uses antiviral materials that meet the safety standards of SIAA.
- This product conforms to SIAA safety standards.
- Antiviral processing is not intended to treat or prevent diseases.

Antibacterial processing

- This product is not a pharmaceutical product.
- It does not inhibit the growth of all bacteria.
- This product uses antimicrobial materials that meet SIAA safety standards.

Curtain Wand / Gray (rope type)

54 mm (2.1")
700 mm (27")
900 mm (35")

φ5 mm (.20")
100 mm (3.9")
φ20 mm (.79")

Materials	700	900
rayon	58 %	57 %
cotton	37 %	39 %
polyester	5 %	4 %

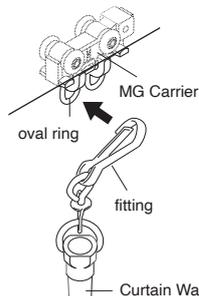
Curtain Wand Product Code	
Gray	700 mm 30018981
	900 mm 30018982

How to Use the Curtain Wand



Photo is the White (steel).

How to Install



Hook the fittings of the Curtain Wand to the oval ring of the MG Carrier.

*If the MG Carrier has two oval rings, hook the Curtain-hook to the first oval ring and the fittings of the Curtain Wand to the second oval ring.

Approximate Curtain Wand Length

Rail height position	2,200 -2,400 mm	2,000 -2,200 mm
Wand length	900 mm	700 mm

*In case used by a person with a height of 155 cm

How to Choose Wave Style Curtains

Choose a fabric that creates beautiful waves.



Fabric assessment chart for expressing beautiful waves

	○ Suitable for wave curtain	✗ Not Suitable for wave curtain
Composition and processing	Sheer with drapability <ul style="list-style-type: none"> ▶ georgette fabric ▶ vertical stripe pattern 	Biased sheer with stiffness/softness <ul style="list-style-type: none"> ▶ embroidery ▶ opal fabric
	Loosely woven/knit fabric <ul style="list-style-type: none"> ▶ casement ▶ mesh 	Tensioned or uneven weft yarns <ul style="list-style-type: none"> ▶ organdy ▶ shantung
	Smooth surface fabric <ul style="list-style-type: none"> ▶ satin 	Diagonal weave <ul style="list-style-type: none"> ▶ herringbone fabric
	Heavy-weighted fabric at the hem <ul style="list-style-type: none"> ▶ hem embroidery fabric 	Fabric with pronounced surface texture <ul style="list-style-type: none"> ▶ jacquard fabric

Sawing Specifications for Wave Style Hem

	10 cm triple fold	10 cm double fold	Short hem	Weight tape	Woolly lock
Drape	○	◎ Recommendation	—	—	◎ Recommendation
Horizontal lace usage	○	—	◎ Recommendation	△ Opens with resistance	◎ Recommendation
Vertical lace usage	○	—	◎ Recommendation	△ Opens with resistance	◎ Recommendation

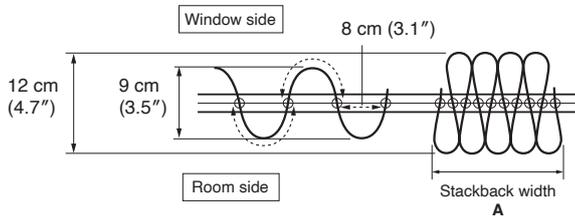
* The use of weight tape and woolly lock processing may vary depending on the fabric

Smart Wave Curtain System

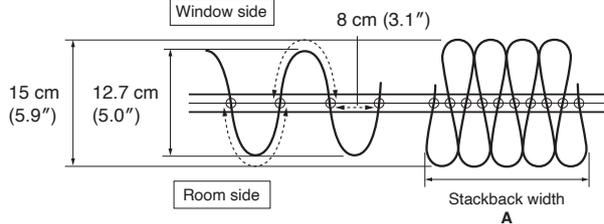
Required Components and Installation Dimensions

When using the 8 cm (3.1") pitch

Wave Style Composition of 1.5 Times Fullness



Wave Style Composition of 1.875 Times Fullness



Number of the Gather Hook / Finished curtain width / Stackback width



Two-way operation

Curtain rail length	1 m (39")	2 m (79")	3 m (118")	4 m (157")	5 m (197")	6 m (236")	7 m (276")	8 m (315")	9 m (354")	10 m (394")
Number of the Gather Hook	16 pcs.	28 pcs.	40 pcs.	52 pcs.	68 pcs.	80 pcs.	92 pcs.	104 pcs.	116 pcs.	128 pcs.
Finished curtain width / magnification : 1.5x	184 cm (72")	328 cm (129")	472 cm (185")	616 cm (242")	808 cm (318")	952 cm (374")	1,096 cm (431")	1,240 cm (488")	1,384 cm (544")	1,528 cm (601")
Finished curtain width / magnification : 1.875x	226 cm (89")	406 cm (159")	586 cm (230")	766 cm (301")	1,006 cm (396")	1,186 cm (466")	1,366 cm (537")	1,546 cm (608")	1,726 cm (679")	1,906 cm (750")
Stackback width A	16 cm (6.3")	25 cm (9.8")	33 cm (13")	41 cm (16")	53 cm (21")	61 cm (24")	69 cm (27")	78 cm (31")	86 cm (34")	95 cm (37")

*Required number of the Roller: number of the Gather Hook – 4 pcs.

*Required length of the Wave Tape II: finished curtain width – 8 cm (3.1")



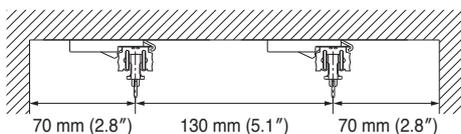
One-way operation

Curtain rail length	1 m (39")	2 m (79")	3 m (118")	4 m (157")	5 m (197")	6 m (236")	7 m (276")	8 m (315")	9 m (354")	10 m (394")
Number of Gather Hook	14 pcs.	26 pcs.	40 pcs.	52 pcs.	64 pcs.	76 pcs.	90 pcs.	102 pcs.	114 pcs.	126 pcs.
Finished curtain width / magnification : 1.5x	164 cm (64")	308 cm (121")	476 cm (187")	620 cm (244")	764 cm (300")	908 cm (357")	1,076 cm (423")	1,220 cm (480")	1,364 cm (537")	1,508 cm (593")
Finished curtain width / magnification : 1.875x	203 cm (79")	383 cm (150")	593 cm (233")	773 cm (304")	953 cm (375")	1,133 cm (446")	1,343 cm (528")	1,523 cm (599")	1,703 cm (670")	1,883 cm (741")
Stackback width A	25 cm (9.8")	41 cm (16")	61 cm (24")	78 cm (31")	95 cm (37")	111 cm (44")	131 cm (52")	148 cm (58")	165 cm (65")	181 cm (71")

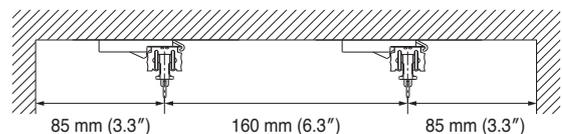
*Required number of the Roller: number of the Gather Hook – 2 pcs.

*Required length of the Wave Tape II: finished curtain width – 8 cm (3.1")

Installation Dimension of 1.5 Times Fullness (example for New Delac)

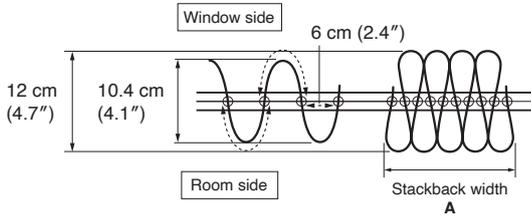


Installation Dimension of 1.875 Times Fullness (example for New Delac)

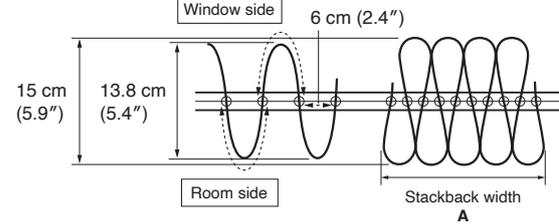


When using the 6 cm (2.4") pitch

Wave Style Composition of 2.0 Times Fullness



Wave Style Composition of 2.5 Times Fullness



Number of the Gather Hook / Finished curtain width / Stackback width



Two-way operation

Curtain rail length	1 m (39")	2 m (79")	3 m (118")	4 m (157")	5 m (197")	6 m (236")	7 m (276")	8 m (315")	9 m (354")	10 m (394")
Number of the Gather Hook	20 pcs.	36 pcs.	52 pcs.	72 pcs.	88 pcs.	104 pcs.	120 pcs.	136 pcs.	152 pcs.	172 pcs.
Finished curtain width / magnification : 2.0x	232 cm (91")	424 cm (166")	616 cm (242")	856 cm (337")	1,048 cm (412")	1,240 cm (488")	1,432 cm (563")	1,624 cm (639")	1,816 cm (714")	2,056 cm (809")
Finished curtain width / magnification : 2.5x	286 cm (112")	526 cm (207")	766 cm (301")	1,066 cm (419")	1,306 cm (514")	1,546 cm (608")	1,786 cm (703")	2,026 cm (797")	2,266 cm (892")	2,566 cm (1,010")
Stackback width A	19 cm (7.4")	30 cm (12")	41 cm (16")	55 cm (22")	67 cm (26")	78 cm (31")	89 cm (35")	100 cm (39")	111 cm (44")	125 cm (49")

*Required number of the Roller: number of the Gather Hook – 4 pcs.

*Required length of the Wave Tape II: finished curtain width – 8 cm (3.1")



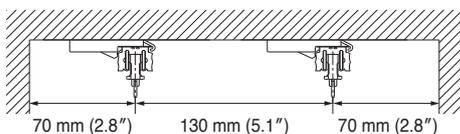
One-way operation

Curtain rail length	1 m (39")	2 m (79")	3 m (118")	4 m (157")	5 m (197")	6 m (236")	7 m (276")	8 m (315")	9 m (354")	10 m (394")
Number of Gather Hook	18 pcs.	36 pcs.	52 pcs.	68 pcs.	86 pcs.	102 pcs.	118 pcs.	136 pcs.	152 pcs.	168 pcs.
Finished curtain width / magnification : 2.0x	212 cm (83")	428 cm (168")	620 cm (244")	812 cm (319")	1,028 cm (404")	1,220 cm (480")	1,412 cm (555")	1,628 cm (640")	1,820 cm (716")	2,012 cm (792")
Finished curtain width / magnification : 2.5x	263 cm (103")	533 cm (209")	773 cm (304")	1,013 cm (398")	1,283 cm (505")	1,523 cm (599")	1,763 cm (694")	2,033 cm (800")	2,273 cm (894")	2,513 cm (989")
Stackback width A	30 cm (12")	55 cm (22")	78 cm (31")	100 cm (39")	125 cm (49")	148 cm (58")	170 cm (67")	195 cm (77")	218 cm (86")	240 cm (94")

*Required number of the Roller: number of the Gather Hook – 2 pcs.

*Required length of the Wave Tape II: finished curtain width – 8 cm (3.1")

Installation Dimension of 2.0 Times Fullness (example for New Delac)



Installation Dimension of 2.5 Times Fullness (example for New Delac)

