



Wave[®]
Curtain Workroom Guide

Introduction to Wave

Wave is a neat and stylish curtain heading system by Silent Gliss. It is created through combining a specially designed heading tape and Wave glider-cord to get a soft and simple continuous wave effect.

The finished appearance is similar to that of eyelet curtains but fabric hangs directly below the track in a neat and uniform style.

Wave has some key advantages over traditional curtain heading systems:

- Minimised curtain stack
- Simple curtain dressing
- Form throughout the curtain drop
- Minimalist appearance
- Suits traditional and modern interiors
- Compatible with pelmets





Fabric Suitability

There is no standard test that will indicate whether a fabric is suitable for Wave. However, experience suggests it is normally suitable for:

- Voiles
- Lined cotton
- Interlined Silk
- Blackout lining
- Borders

The soft curves of Wave **do not** lend themselves to:

- Stiff fabrics
- Heavy embroidery
- Irregular vertical stripes
- Metallic threads

We recommend a simple test to indicate whether Wave will be suitable (see image right). Hold the top of the fabric in this way and see if the curtain follows a soft wave pattern without too much effort.

Even Wave curtains will require some dressing and training. The extent of this will depend on the flexibility of the weave of the fabric chosen.



Suitable fabric



Unsuitable fabric

Wave Track Options

You will be making your curtain on one of the following tracks.



Electric tracks: Systems Silent Gliss 5100/5400/5600



Metropole: Systems Silent Gliss 6120M/6130M/6100M/6140M/6160M/6150M (uses 5400 or 5090)



Hand operated curtain track:
Systems Silent Gliss 3840W



Hand operated curtain track:
Systems Silent Gliss 6243



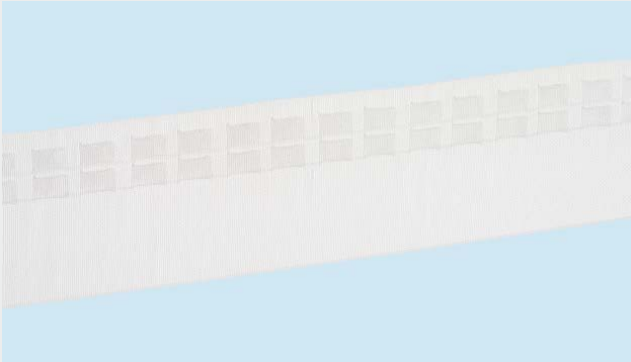
Cord operated track: Systems Silent Gliss 3840

The maximum weight that the standard Wave heading tape can carry is 2.5kg per metre of track. However, the individual track weight restrictions still apply, use the lower of the two numbers. Wave with roller glider cord 6098W has much higher weight limitations. If in any doubt please contact Silent Gliss.

Consult the catalogue to see individual system weight graphs.

Wave Workroom Accessories

When specified, Silent Gliss Wave tracks are supplied with the Wave glider already included (these tracks are all available with standard gliders). You will need to have the following workroom accessories available to make the curtain itself:



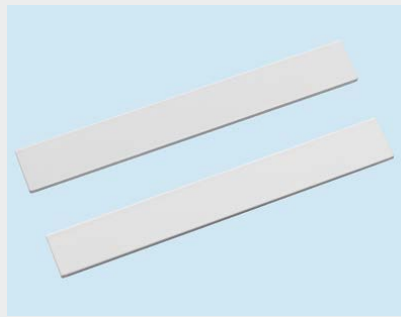
Wave Heading Tape 6349



Wave Iron on Tape 6363



Curtain Hook 3582



Curtain Side Weight 10076 (optional)



Curtain Weight Cord 10075 (optional)

There are additional, optional Wave components that can further improve and enhance the appearance of your curtain.



6364/6365 Extension arm and Carrier

- Allows a single stack curtain to reach the end of the track endset.
- Will take the curtain over an intermediate pulley on corded system 3840
- Allows the curtain to return to the wall better.

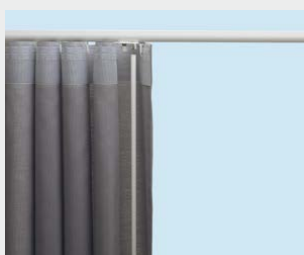


2255 Adjustable Brake

- Prevents the leading edge of the curtain creeping inwards.

With adjustable brake (front view)

Without adjustable brake (front view)



6366 Draw Rod Carrier

- Allows draw rod to be attached.

With adjustable brake (rear view)

With adjustable brake (rear view)

Planning Your Curtain – Glider Spacing

There are two sizes of glider cord – 60mm or 80mm spacing between the gliders. They offer slightly different looks:

The 80mm offers a deeper wave with a larger distance from the front to the back. The 60mm wave is shallower and smaller front to back, which lends itself to smaller recesses but will have a slightly larger stack back.



80mm Wave (front view)



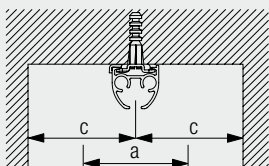
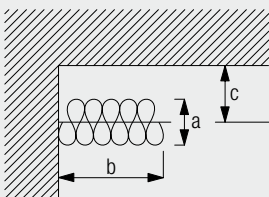
60mm Wave (front view)



80mm Wave (top view)



60mm Wave (top view)



a = Stack depth
b = Stack size
c = Min. distance

Glider-cord spacing	Curtain hook spacing	Approx. curtain fullness	Stack depth (a)	Stack width (b)	Min distance (c)
6	10	2.1	10	23 per metre of track + endpiece	8
6	12	2.3	12	23 per metre of track + endpiece	9
8	14	2.1	14	18 per metre of track + endpiece	10
8	16	2.3	16	18 per metre of track + endpiece	11

Wave standard with roller gliders

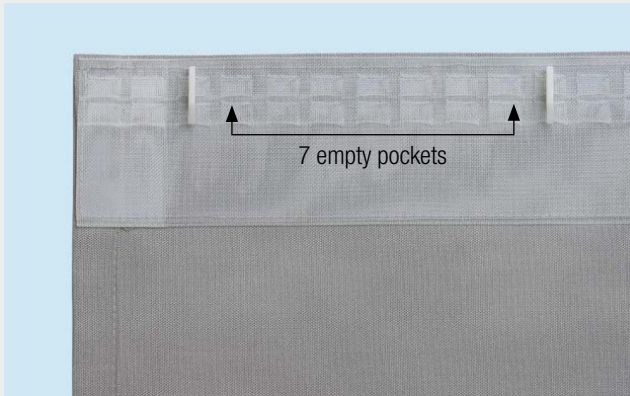
Glider-cord spacing	Curtain hook spacing	Approx. curtain fullness	Stack depth (a)	Stack width (b)	Min distance (c)
8	14	2.1	14	21 per metre of track + endpiece	10
8	16	2.3	16	21 per metre of track + endpiece	11

(dimensions in cm)

Note: Minimum distance (c) includes a standard 4.5cm clearance (front and back).

Important: The curtain fullness indicated in the chart above and throughout this guide applies to finished curtain fabric. You will need to allow additional fabric for joins, hems and your usual workroom allowances.

The final appearance of your Wave curtain will be influenced by the combination of your chosen glider cord and the curtain hook spacing. There are 4 possibilities:



Option 1

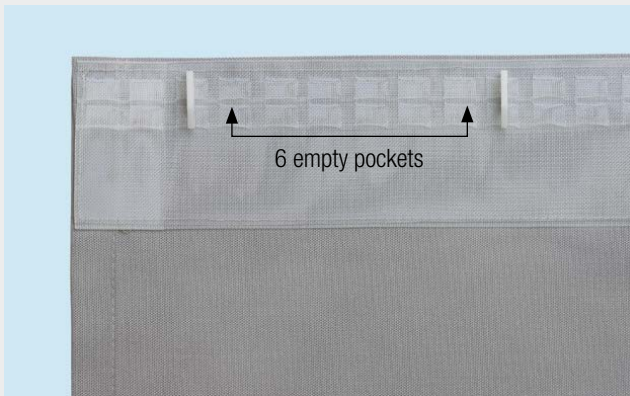
Glider Cord = 80mm Spacing (Part number 6346)

Hook Spacing = 160mm

Pocket Spacing between hooks (PF*) = 7

Approx. Fabric Fullness = 2.3

Max. Depth of Wave (front to back) = 160mm



Option 2

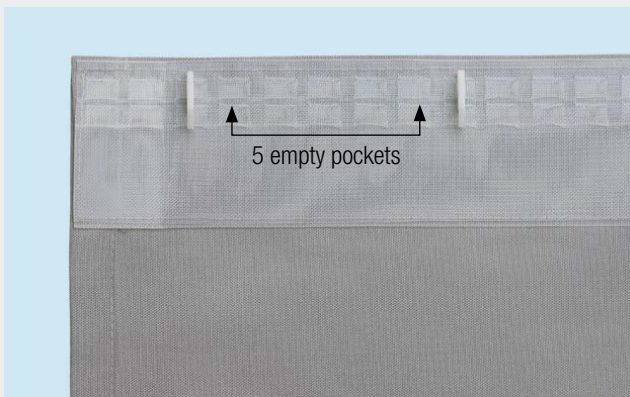
Glider Cord = 80mm Spacing (Part number 6346)

Hook Spacing = 140mm

Pocket spacing between hooks (PF*) = 6

Approx. Fabric Fullness = 2.1

Max. Depth of Wave (front to back) = 140mm



Option 3

Glider Cord = 60mm Spacing (Part number 6345)

Hook Spacing = 120mm

Pocket spacing between hooks (PF*) = 5

Approx. Fabric Fullness = 2.3

Max. Depth of Wave (front to back) = 120mm



Option 4

Glider Cord = 60mm Spacing (Part number 6345)

Hook Spacing = 100mm

Pocket Spacing Between Hooks (PF*) = 4

Approx. Fabric Fullness = 2.1

Max. Depth of Wave (front to back) = 100mm

Note 1. If your track is using 80mm glider cord you need to confirm if it is using standard or roller gliders.

Note 2. When using electric tracks the curtain hooks will be in the lower pockets.

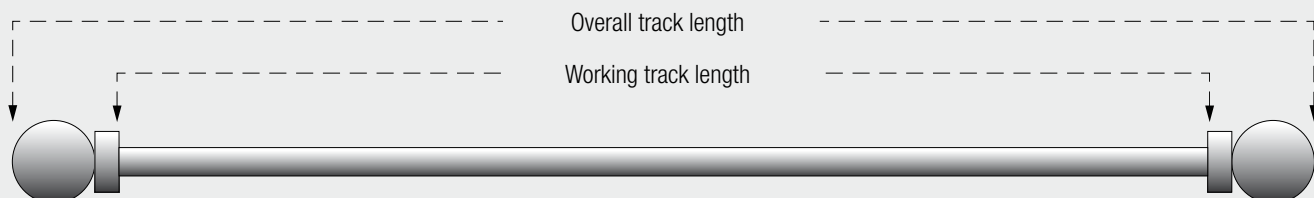
* PF = Pocket Factor

Establish The Working Track Length

Silent Gliss offer a Wave calculator which will advise the number of gliders and Wave heading tape required. For ease of curtain make-up Silent Gliss strongly recommend that you use this free and simple tool detailed on the following page. Contact Silent Gliss.

First, you need to know your working track length in mm. If you obtain this from your track supplier be sure to confirm it is the working track length (excluding finials and cording sets) and not the overall track length.

However, if you do not have access to this calculator then you will have to do a manual calculation.



Use the table below to calculate your working track length.

Metropole finial deduction table

System	Finial	Deduction per finial (x2)
6100	Shard	116mm
6120	Strata	33mm
6120	Groove Ball	95mm
6120	Design Endcap	20mm
6120	Ball End	70mm
6130	Design Endcap	20mm
6130	Groove Ball	85mm
6130	Groove Cylinder	85mm
6130	Strata	65mm
6130	Shard	127mm
6130	Design Endcap	20mm
6130	Ball End	70mm
6130	Crystal Cube	55mm
6130	Crystal Cylinder	55mm
6130	Fused Barrel	101mm
6130	Fused Ball	62mm
6130	Glass Ball	54mm
6140	Ball End	125mm
6140	Strata	65mm
6140	Groove Cylinder	125mm
6140	Crystal Cube	55mm
6140	Crystal Cylinder	55mm
6140	Fused Barrel	121mm
6140	Fused Ball	84mm
6140	Glass Ball	69mm
6140	Spear	140mm
6150	Strata	65mm
6150	Groove Cylinder	125mm
6150	Crystal Cube	55mm
6150	Fused Barrel	121mm
6150	Fused Ball	84mm
6150	Glass Ball	69mm
6160	Ball End	125mm
6160	Spear	140mm
6160	Strata	33mm

Track deduction table

System	Operation	Deduction
6243	Hand	None
3840W	Hand	None
3840	Cord	70mm
5100	Electric	170mm
5600	Electric	145mm
6100 Metropole (Metroflat)	Hand	None
6130 Metropole (30mm)	Hand	Finials (x2)
6120 Metropole (30mm)	Cord	80mm and then any Finials (x2)
6140 Metropole (50mm)	Hand	Finials (x2)
6160 Metropole (50mm)	Cord	80mm and then any Finials (x2)
6150 Metropole (50mm) with 5090	Electric	126mm and then any finials (x2)
6150 Metropole (50mm) with 5400	Electric	105mm and then any Finials (x2)

Calculate The Number of Gliders

Using your working track length, the next step is to calculate the number of gliders used per curtain. Once you know this, it will help in the following stages for the curtain make-up.

There are two ways to do this:

1. Use the Silent Gliss Wave Excel Calculator

This useful tool is available free of charge. You simply input a few pieces of key information and it automatically calculates the gliders used. Contact Silent Gliss Ltd. 01843 863571 or download from www.silentgliss.co.uk.

Click on yellow boxes to select or enter details	
Note: For 3840 hand drawn use 6101 calculation	
System	3840
track size	1500
Pair or single stack	P
Glider cord/Curtain hook spacing	60 100
Calculated number of gliders per curtain is	14
Calculated number of pockets per curtain is	76

2. Use the Silent Gliss tables

The tables on the following pages state the number of gliders required per curtain. If your exact working track length is not listed use the next size up.

Calculate The Number of Gliders – 80mm Glider Cord

Track length mm	No. of Gliders per curtain		Track length mm	No. of Gliders per curtain		Track length mm	No. of Gliders per curtain	
	Single Stack	Pair Stack		Single Stack	Pair Stack		Single Stack	Pair Stack
400	6		5360	68	36	10320	130	66
560	8	6	5520	70	36	10490	132	68
720	10	6	5680	72	38	10650	134	68
880	12	8	5840	74	38	10810	136	70
1040	14	8	6000	76	40	10970	138	70
1200	16	10	6160	78	40	11130	140	72
1360	18	10	6320	80	42	11290	142	72
1520	20	12	6480	82	42	11450	144	74
1680	22	12	6640	84	44	11610	146	74
1840	24	14	6800	86	44	11770	148	76
2000	26	14	6960	88	46	11930	150	76
2160	28	16	7120	90	46	12090	152	78
2320	30	16	7280	92	48	12250	154	78
2480	32	18	7440	94	48	12410	156	80
2640	34	18	7600	96	50	12570	158	80
2800	36	20	7760	98	50	12730	160	82
2960	38	20	7920	100	52	12890	162	82
3120	40	22	8080	102	52	13050	164	84
3280	42	22	8240	104	54	13210	166	84
3440	44	24	8400	106	54	13370	168	86
3600	46	24	8560	108	56	13530	170	86
3760	48	26	8720	110	56	13690	172	88
3920	50	26	8880	112	58	13850	174	88
4080	52	28	9040	114	58	14010	176	90
4240	54	28	9200	116	60	14170	178	90
4400	56	30	9360	118	60	14330	180	92
4560	58	30	9520	120	62	14490	182	92
4720	60	32	9680	122	62	14650	184	94
4880	62	32	9840	124	64			
5040	64	34	10000	126	64			
5200	66	34	10160	128	66			

Calculate The Number of Gliders – 60mm Glider Cord

Track length mm	No. of Gliders per curtain		Track length mm	No. of Gliders per curtain		Track length mm	No. of Gliders per curtain	
	Single Stack	Pair Stack		Single Stack	Pair Stack		Single Stack	Pair Stack
300	6		4020	68	36	7740	130	66
420	8		4140	70	36	7860	132	68
540	10	6	4260	72	38	7980	134	68
660	12	8	4380	74	38	8100	136	70
780	14	8	4500	76	40	8220	138	70
900	16	10	4620	78	40	8340	140	72
1020	18	10	4740	80	42	8460	142	72
1140	20	12	4860	82	42	8580	144	74
1260	22	12	4980	84	44	8700	146	74
1380	24	14	5100	86	44	8820	148	76
1500	26	14	5220	88	46	8940	150	76
1620	28	16	5340	90	46	9060	152	78
1740	30	16	5460	92	48	9180	154	78
1860	32	18	5580	94	48	9300	156	80
1980	34	18	5700	96	50	9420	158	80
2100	36	20	5820	98	50	9540	160	82
2220	38	20	5940	100	52	9660	162	82
2340	40	22	6060	102	52	9780	164	84
2460	42	22	6180	104	54	9900	166	84
2580	44	24	6300	106	54	10020	168	86
2700	46	24	6420	108	56	10140	170	86
2820	48	26	6540	110	56	10260	172	88
2940	50	26	6660	112	58	10380	174	88
3060	52	28	6780	114	58	10500	176	90
3180	54	28	6900	116	60	10620	178	90
3300	56	30	7020	118	60	10740	180	92
3420	58	30	7140	120	62	10860	182	92
3540	60	32	7260	122	62	10980	184	94
3660	62	32	7380	124	64			
3780	64	34	7500	126	64			
3900	66	34	7620	128	66			

Calculate The Length of the Heading Tape

Next, use the number of gliders calculated from the previous stage to determine the length of your heading tape. We strongly advise that you do not cut your fabric until you have confirmed the length of the heading tape

Note: There is a tolerance on the Wave tape and the number of pockets over any length may vary slightly. It is important to always count the pockets themselves rather than calculating the tape length.

Again, there are two ways to calculate how much heading tape you require.

1. Use the Silent Gliss Wave Excel Calculator

This useful tool is available free of charge. You simply input a few pieces of key information and it automatically calculates the heading tape required. Contact Silent Gliss Ltd. 01843 863571 or download from www.silentgliss.co.uk.

Click on yellow boxes to select or enter details	
Note: For 3840 hand drawn use 6101 calculation	
System	3840
track size	1500
Pair or single stack	P
Glider cord/Curtain hook spacing	60 100
Calculated number of gliders per curtain is	14
Calculated number of pockets per curtain is	74

2. Manual Calculation

To calculate the length of the tape follow these steps:


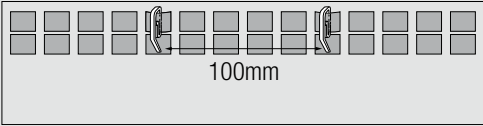

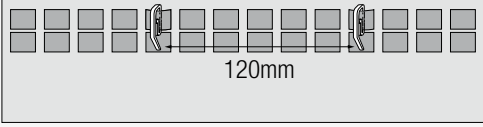

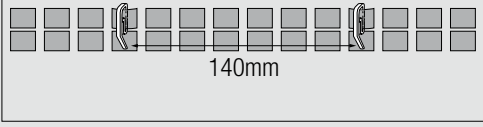

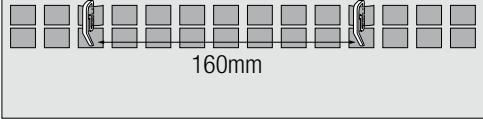
- Step 1: Take the number of gliders for the previous chart
- Step 2: Subtract 1
- Step 3: Multiply this number by your PF (Pocket Factor) see chart below
- Step 4: Add back on the total amount of glider from Step 1
- Step 5: Add on a further 8 pockets

Working example based on a System 3840, 1500mm wide with a pair stack. Using 60mm glider cord with 100mm hook spacing:

- Step 1: 14
- Step 2: $14 - 1 = 13$
- Step 3: $13 \times 4 = 52$
- Step 4: $52 + 14 = 66$
- Step 5: $66 + 8 = 74$ pockets

Therefore your tape length will be equal to 74 pockets.

Do not cut your fabric yet!

Glider-cord spacing	Curtain hook spacing	Pocket factor
		4
		5
		6
		7

For Electric Tracks please see the following page.

When using electric tracks

When using electric tracks, additional pockets are required in order to allow the curtain to wrap around the motor.

Add the following pockets to the total calculated above depending on your glider cord and hook spacing combination:

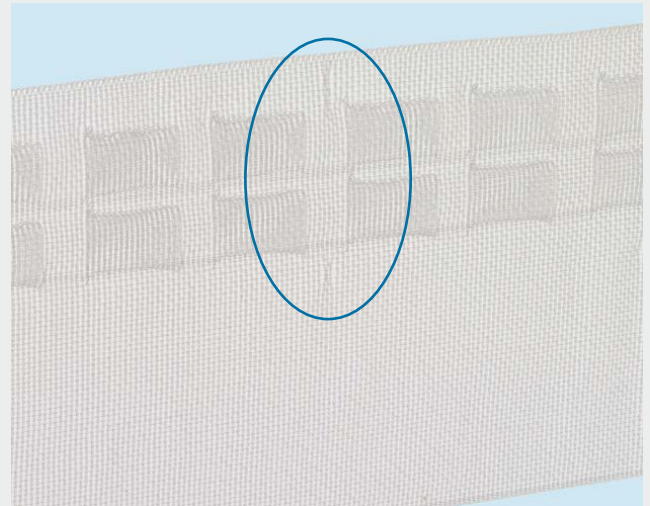
Glider cord	Hook spacing	Additional pocket
60mm	100mm	5
60mm	120mm	4
80mm	140mm	3
80mm	160mm	2

Cutting The Heading Tape

You now need to cut your heading tape according to the exact amount of pockets calculated above. The wave tape has a small stitch mark every 50 pockets to help count out the correct length of tape.

The calculated pockets included 4 for turning (2 at each end). Therefore fold 2 pockets under each side.

This is the finished width of your curtain. You can use this dimension to cut your fabric. Add on any usual allowances you make for your preferred make up method.



Making The Curtain

Wave Iron on Tape

We recommend you use the Wave Hemming Tape (part no. 6363) to avoid fabric puckering. It gives a professional finish to the top of the hem. This applies to all fabrics, including lined curtains.



Wave **without** the iron-on Wave tape



Wave **with** the iron-on Wave tape

For Unlined Curtains (**not using 6098W Roller Gliders**)



With standard Wave glider cord measure to 75mm and then iron the hem into position. If using 6098W roller gliders see below. Lift the hem back and lay on the iron-on tape. Iron the hem so that the tape melts and sticks the 2 parts of the curtain together.

For Unlined Curtains using Roller Gliders 6098W



Roller glider cord 6098W is an option for Systems 3840, 3840W, 6465, 5400 and motorised Metropole. Measure the hem to **95mm** and then use **two** rows of iron-on tape to cover the whole depth of the hem.

For Lined Curtains (all options)



For lined curtains the iron-on tape is positioned between the front curtain fabric and the lining as pictured.

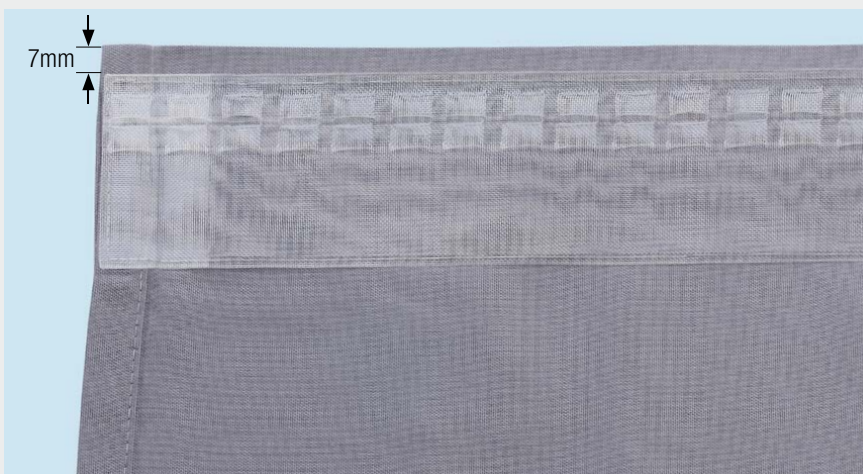
Sewing the Tape



Standard Gliders (Not 6098W Roller Gliders)

If you are using standard Wave glider cord then sew the heading tape to the top of the curtain.

Above: Wave tape positioning with standard glider cord



6098W Roller Gliders

Positioning the tape 7mm down from the top of the curtain will ensure the correct hook drop.

Above: The tape must be positioned differently when using Wave roller glider cord 6098W

Wave With Optional Extension Arm/Carrier

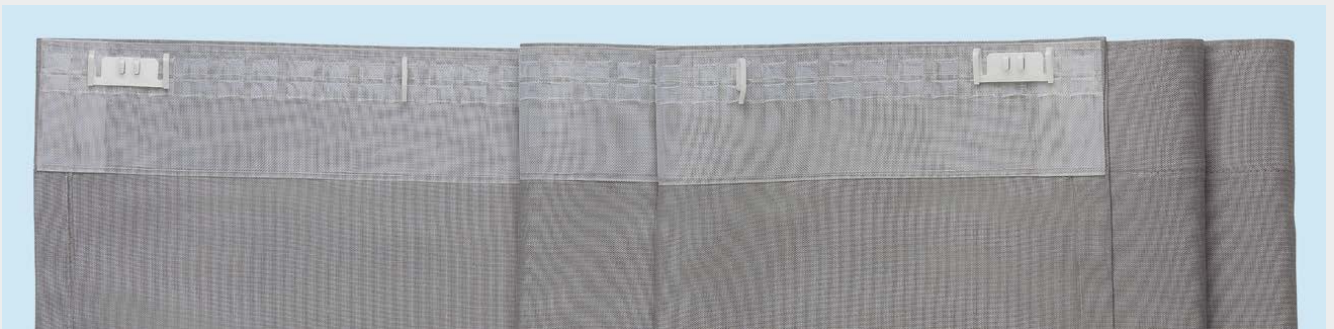
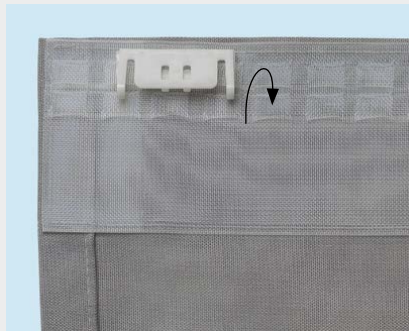
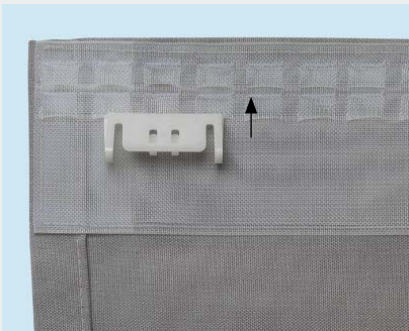
Hand and cord operated tracks have the option of an extension arm/carrier to improve the look of the curtain. These are not supplied as standard and must be specified at the time of the order and will incur additional cost. When using this option the glider calculation remains the same. The carrier simply replaces the first/last hook. No additional pockets are required.

Insert the first hook of the carrier of the extension arm into the 2nd pocket of the tape (this will mean the 2nd hook will attach in the 4th pocket). This means the extension arm will effectively attach to the 3rd pocket, acting as the first curtain hook.

The next hook will be your pocket factor less 1. e.g. if you're pocket factor would normally be 7 then only leave 6 from the end of the carrier. Thereafter insert curtain hooks as per the pocket factor in the table above.

When you reach the end of the curtain the last hook is replaced by another carrier, therefore your last pocket factor will be one less.

Positioning the carrier



Attaching the extension carrier to the arm




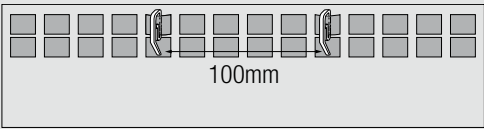

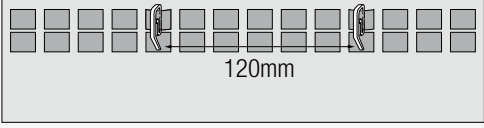
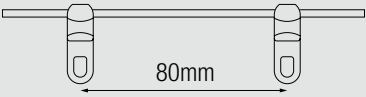
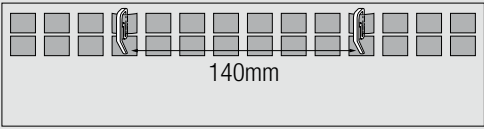

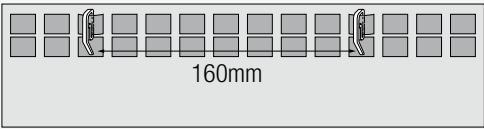
Curtain Hook Placement

Hook placement for hand and cord operated tracks

The first hook always goes into the 3rd pocket from the leading edge and then hooks are inserted as required according to the relevant pocket factor (see chart below).

E.g. pocket factor = 5 then insert a hook every 6th pocket (5 pockets are left empty).

When using standard wave glider cord the hooks are placed in the top (1st) row of pockets. When using wave roller glider cord 6098W the hooks are placed in the bottom (2nd) row of pockets and the tape will be sewn 7mm from the top of the curtain – see picture on page 14.

Glider-cord spacing	Curtain hook spacing	Pocket factor
		4
		5
		6
		7

Hook placement for electric tracks

Electric tracks with Wave are supplied as standard with the extension arm on the leading edge of the curtain, pictured below. To position the carrier follow the instructions detailed on page 15, 'Positioning the carrier'.



Follow the pocket spacing instructions from the table on the page above. On the motor side of the curtain, the last pocket spacing will be increased to 9 pockets to allow the curtain to wrap around the motor, pictured below. This was allowed for in the original pocket calculation.



For Electric Curtain Tracks 5600 and 5100 the hooks are positioned in the 2nd row of pockets.



For Electrically Operated Metropole, using System 5400 with standard wave glider cord, the hooks are positioned in the top row of pockets. Rember, when using wave roller gliders 6098W the hooks will be positioned in the bottom row of pockets and the tape will be sewn 7mm from the top of the curtain – see picture on page 14.



Dressing The Curtain

One of the many advantages of Wave is that it is comparatively simple to dress. When hanging the curtain pull the first fold towards you and push the second backwards. Continue to the end of the curtain.

Correct



Incorrect





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