

# Wave

## Curtain Workroom Guide

August 2024



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# 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 cord uses the premium 2C (two-component) glider which is manufactured using two materials, a hard component which ensures stability and a soft 'filling' to absorb noise.

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

Wave has some key advantages over traditional curtain heading styles:

- 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 and Workroom Accessories

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

| System Reference    | Operation |
|---------------------|-----------|
| SG 6010             | Hand      |
| SG 6243             | Hand      |
| SG 6380             | Hand      |
| SG 6465             | Hand      |
| SG 6820             | Hand      |
| SG 6840             | Hand      |
| SG 6870             | Hand      |
| SG 6970             | Hand      |
| SG 7600 (Metropole) | Hand      |
| SG 7605 (Metropole) | Hand      |
| SG 7610 (Metropole) | Hand      |
| SG 7620 (Metropole) | Hand      |

| System Reference    | Operation                     |
|---------------------|-------------------------------|
| SG 3840             | Cord                          |
| SG 3870             | Cord                          |
| SG 3970             | Cord                          |
| SG 5100             | Electric                      |
| SG 5600             | Electric                      |
| SG 7630 (Metropole) | Cord                          |
| SG 7640 (Metropole) | Cord                          |
| SG 7650 (Metropole) | Electric (SG 5100 or SG 5600) |

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 SG 6099 has much higher weight limitations. If in any doubt please contact Silent Gliss. Consult the catalogue to see individual system weight graphs.

When specified, Silent Gliss Wave tracks are supplied with the wave glider cord 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 SG 6349



Wave Top Hemming Tape SG 6363 (recommended)



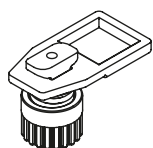
Curtain Hook SG 3582 (optional)



Curtain Side Weight SG 10076 (optional)

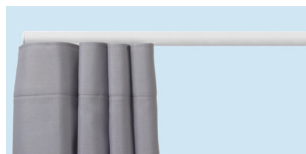


Curtain Weight Cord SG 10075 (optional)

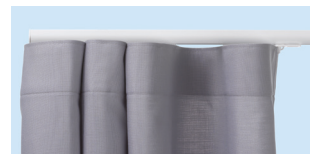


- Prevents the leading edge of the curtain creeping forwards.

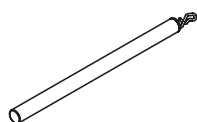
SG 2256 Adjustable Brake with leading glider aperture



With adjustable brake



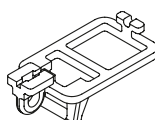
Without adjustable brake



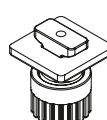
SG 10430/1/2/3/4 Draw Rods

Carrier Rods (optional)

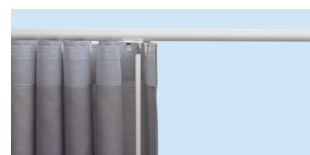
- Avoid the need to touch the curtains when opening and closing.



SG 6366  
Draw Rod Carrier



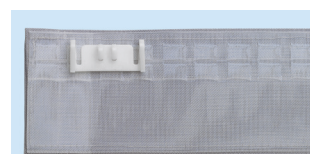
SG 2255 Adjustable Brake  
(no glider aperture)



Carrier + brake + rod

SG 6364/6365 Extension Arm and Carrier (optional)

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



# Planning Your Curtain Appearance

There are a number of variables which will affect the appearance of a wave curtain.

## Glider Cord Spacing

The track can be supplied assembled with either the 60mm or 80mm spaced wave glider cord. 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)



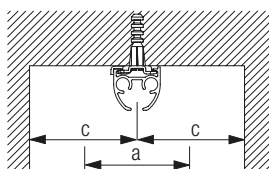
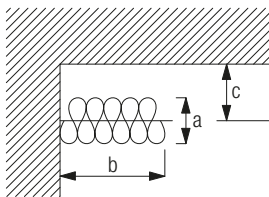
60mm Wave (front view)



80mm Wave (top view)



60mm Wave (top view)



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

| Glider cord spacing | Pocket Factor*              | Approx. curtain fullness | Stack depth (a) | Stack width (b)                   | Min distance (c) |
|---------------------|-----------------------------|--------------------------|-----------------|-----------------------------------|------------------|
| mm                  | Empty pockets between hooks |                          | mm              | mm                                | mm               |
| 60                  | 4                           | 2.1                      | 100             | 230 per metre of track + endpiece | 70               |
| 60                  | 5                           | 2.3                      | 120             | 230 per metre of track + endpiece | 80               |
| 80                  | 6                           | 2.1                      | 140             | 180 per metre of track + endpiece | 90               |
| 80                  | 7                           | 2.3                      | 160             | 180 per metre of track + endpiece | 100              |

## Wave with roller gliders

| Glider cord spacing | Pocket Factor*              | Approx. curtain fullness | Stack depth (a) | Stack width (b)                   | Min distance (c) |
|---------------------|-----------------------------|--------------------------|-----------------|-----------------------------------|------------------|
| mm                  | Empty pockets between hooks |                          | mm              | mm                                | mm               |
| 80                  | 6                           | 2.1                      | 140             | 210 per metre of track + endpiece | 90               |
| 80                  | 7                           | 2.3                      | 160             | 210 per metre of track + endpiece | 100              |

\* Pocket Factor = Empty pockets between hooks. This will be required when calculating the length of curtain heading tape.

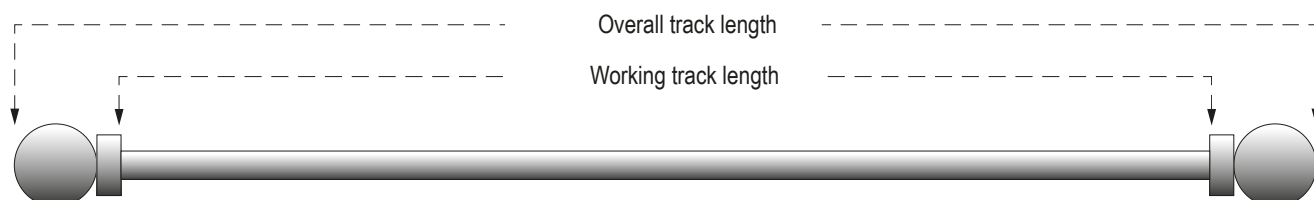
**Note:** Minimum distance (c) includes a standard 2cm clearance (front and back).

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

# Establish The Working Track Length

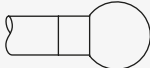
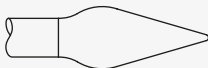
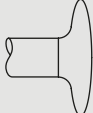
For all hand, cord and electrically operated tracks your working track length is the same as your total system length.

For Metropole (only) it is important to establish your 'working track length', by deducting the length of any finials included on your pole.



Use the table below to calculate your working track length.

**Metropole finial deduction table**

| Pole Diameter   |                                                                                     | 23mm           | 30mm                             | 50mm                                               |
|-----------------|-------------------------------------------------------------------------------------|----------------|----------------------------------|----------------------------------------------------|
| Finial          |                                                                                     | System SG 7600 | System SG 7610<br>System SG 7630 | System SG 7630<br>System SG 7640<br>System SG 7650 |
| Design Endcap   |  | 14mm           | 18mm                             | 24mm                                               |
| Groove Cylinder |  | 53mm           | 69mm                             | 115mm                                              |
| Glass Ball      |  | 55mm           | 66mm                             | 83mm                                               |
| Ball            |  | 49mm           | 64mm                             | 90mm                                               |
| Spear           |  | 89mm           | 116mm                            | 165mm                                              |
| Ellipse         |  | 20mm           | 26mm                             | 32mm                                               |
| Taper           |  | 18mm           | 20mm                             | 30mm                                               |

# Calculate The Number of Hooks

Using your working track length, the next step is to calculate the number of hooks used per curtain. In some situations a hook may be replaced by the carrier used in the 'enhanced wave' option, this does not affect the calculations.

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 number of hooks used. Contact Silent Gliss Ltd. 01843 863571.

| Click on blue shaded areas to confirm details                              |                          |
|----------------------------------------------------------------------------|--------------------------|
| System                                                                     | SG 3840 Cord Drawn Track |
| Track size                                                                 | 1500                     |
| Pair or single stack                                                       | P                        |
| Glider cord/curtain hook spacing                                           | 60 100                   |
|                                                                            |                          |
| Number of hooking points (hooks in curtain)                                | 14                       |
| Cut wave tape to this number of pockets (this includes 4 pockets for hems) | 74                       |
|                                                                            |                          |

## 2. Use the Silent Gliss tables

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

### Single Stack Curtains

For single stack curtains, use the length indicated in the tables; if your specific dimension is not given, go up to the next size.

### Pair Stack Curtains

For pair stack curtains, divide your total track length by 2 and then use this length as the measure for each curtain in the tables below; if your specific dimension is not given, go up to the next size.

Example: Using 60mm glider cord with a 1880mm curtain track:

$1880\text{mm} \div 2 = 940\text{mm}$

Therefore use 1020mm / 18 hooks

## Calculate The Number of Hooks – 60mm Glider Cord

| Length mm | Hooks per Curtain | Track length mm | Hooks per Curtain | Track length mm | Hooks per Curtain |
|-----------|-------------------|-----------------|-------------------|-----------------|-------------------|
| 300       | 6                 | 4020            | 68                | 7740            | 130               |
| 420       | 8                 | 4140            | 70                | 7860            | 132               |
| 540       | 10                | 4260            | 72                | 7980            | 134               |
| 660       | 12                | 4380            | 74                | 8100            | 136               |
| 780       | 14                | 4500            | 76                | 8220            | 138               |
| 900       | 16                | 4620            | 78                | 8340            | 140               |
| 1020      | 18                | 4740            | 80                | 8460            | 142               |
| 1140      | 20                | 4860            | 82                | 8580            | 144               |
| 1260      | 22                | 4980            | 84                | 8700            | 146               |
| 1380      | 24                | 5100            | 86                | 8820            | 148               |
| 1500      | 26                | 5220            | 88                | 8940            | 150               |
| 1620      | 28                | 5340            | 90                | 9060            | 152               |
| 1740      | 30                | 5460            | 92                | 9180            | 154               |
| 1860      | 32                | 5580            | 94                | 9300            | 156               |
| 1980      | 34                | 5700            | 96                | 9420            | 158               |
| 2100      | 36                | 5820            | 98                | 9540            | 160               |
| 2220      | 38                | 5940            | 100               | 9660            | 162               |
| 2340      | 40                | 6060            | 102               | 9780            | 164               |
| 2460      | 42                | 6180            | 104               | 9900            | 166               |
| 2580      | 44                | 6300            | 106               | 10020           | 168               |
| 2700      | 46                | 6420            | 108               | 10140           | 170               |
| 2820      | 48                | 6540            | 110               | 10260           | 172               |
| 2940      | 50                | 6660            | 112               | 10380           | 174               |
| 3060      | 52                | 6780            | 114               | 10500           | 176               |
| 3180      | 54                | 6900            | 116               | 10620           | 178               |
| 3300      | 56                | 7020            | 118               | 10740           | 180               |
| 3420      | 58                | 7140            | 120               | 10860           | 182               |
| 3540      | 60                | 7260            | 122               | 10980           | 184               |
| 3660      | 62                | 7380            | 124               |                 |                   |
| 3780      | 64                | 7500            | 126               |                 |                   |
| 3900      | 66                | 7620            | 128               |                 |                   |

## Calculate The Number of Hooks – 80mm Glider Cord

| Length mm | Hooks per Curtain | Track length mm | Hooks per Curtain | Track length mm | Hooks per Curtain |
|-----------|-------------------|-----------------|-------------------|-----------------|-------------------|
| 400       | 6                 | 5360            | 68                | 10320           | 130               |
| 560       | 8                 | 5520            | 70                | 10490           | 132               |
| 720       | 10                | 5680            | 72                | 10650           | 134               |
| 880       | 12                | 5840            | 74                | 10810           | 136               |
| 1040      | 14                | 6000            | 76                | 10970           | 138               |
| 1200      | 16                | 6160            | 78                | 11130           | 140               |
| 1360      | 18                | 6320            | 80                | 11290           | 142               |
| 1520      | 20                | 6480            | 82                | 11450           | 144               |
| 1680      | 22                | 6640            | 84                | 11610           | 146               |
| 1840      | 24                | 6800            | 86                | 11770           | 148               |
| 2000      | 26                | 6960            | 88                | 11930           | 150               |
| 2160      | 28                | 7120            | 90                | 12090           | 152               |
| 2320      | 30                | 7280            | 92                | 12250           | 154               |
| 2480      | 32                | 7440            | 94                | 12410           | 156               |
| 2640      | 34                | 7600            | 96                | 12570           | 158               |
| 2800      | 36                | 7760            | 98                | 12730           | 160               |
| 2960      | 38                | 7920            | 100               | 12890           | 162               |
| 3120      | 40                | 8080            | 102               | 13050           | 164               |
| 3280      | 42                | 8240            | 104               | 13210           | 166               |
| 3440      | 44                | 8400            | 106               | 13370           | 168               |
| 3600      | 46                | 8560            | 108               | 13530           | 170               |
| 3760      | 48                | 8720            | 110               | 13690           | 172               |
| 3920      | 50                | 8880            | 112               | 13850           | 174               |
| 4080      | 52                | 9040            | 114               | 14010           | 176               |
| 4240      | 54                | 9200            | 116               | 14170           | 178               |
| 4400      | 56                | 9360            | 118               | 14330           | 180               |
| 4560      | 58                | 9520            | 120               | 14490           | 182               |
| 4720      | 60                | 9680            | 122               | 14650           | 184               |
| 4880      | 62                | 9840            | 124               |                 |                   |
| 5040      | 64                | 10000           | 126               |                 |                   |
| 5200      | 66                | 10160           | 128               |                 |                   |

# Calculate The Length of the Heading Tape

Next, use the number of hooks 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.

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.

**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.**

| Click on blue shaded areas to confirm details                              |                          |
|----------------------------------------------------------------------------|--------------------------|
| System                                                                     | SG 3840 Cord Drawn Track |
| Track size                                                                 | 1500                     |
| Pair or single stack                                                       | P                        |
| Glider cord/curtain hook spacing                                           | 60 100                   |
|                                                                            |                          |
| Number of hooking points (hooks in curtain)                                | 14                       |
| Cut wave tape to this number of pockets (this includes 4 pockets for hems) | 74                       |

## 2. Manual Calculation

Calculation for 80mm glider cord with a hand or cord operated track.

Step 1: Take the number of hooks from 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 hooks from Step 1

Step 5: Add on a further 8 pockets for 60mm glider cord, 10 pockets for 80mm glider cord. Electric tracks require additional pockets to accommodate the motor side curtain, see table below (P11).

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:  $14 - 1 = 13$

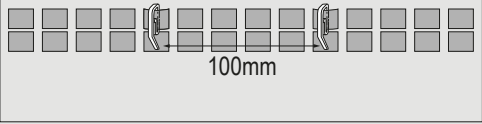
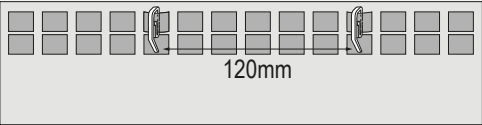
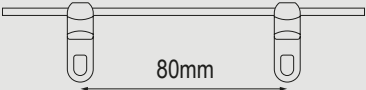
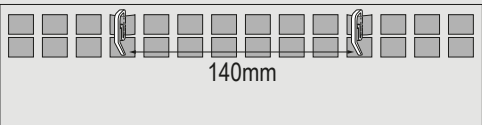
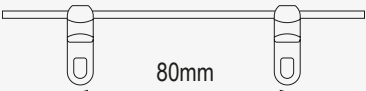
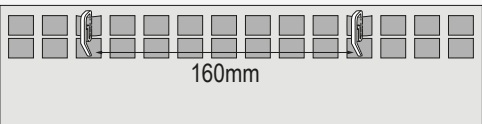
Step 3:  $13 \times 4 = 52$

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             |

### When using electric tracks

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

For the motor side curtain only, add the additional pockets indicated in the table 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                 |

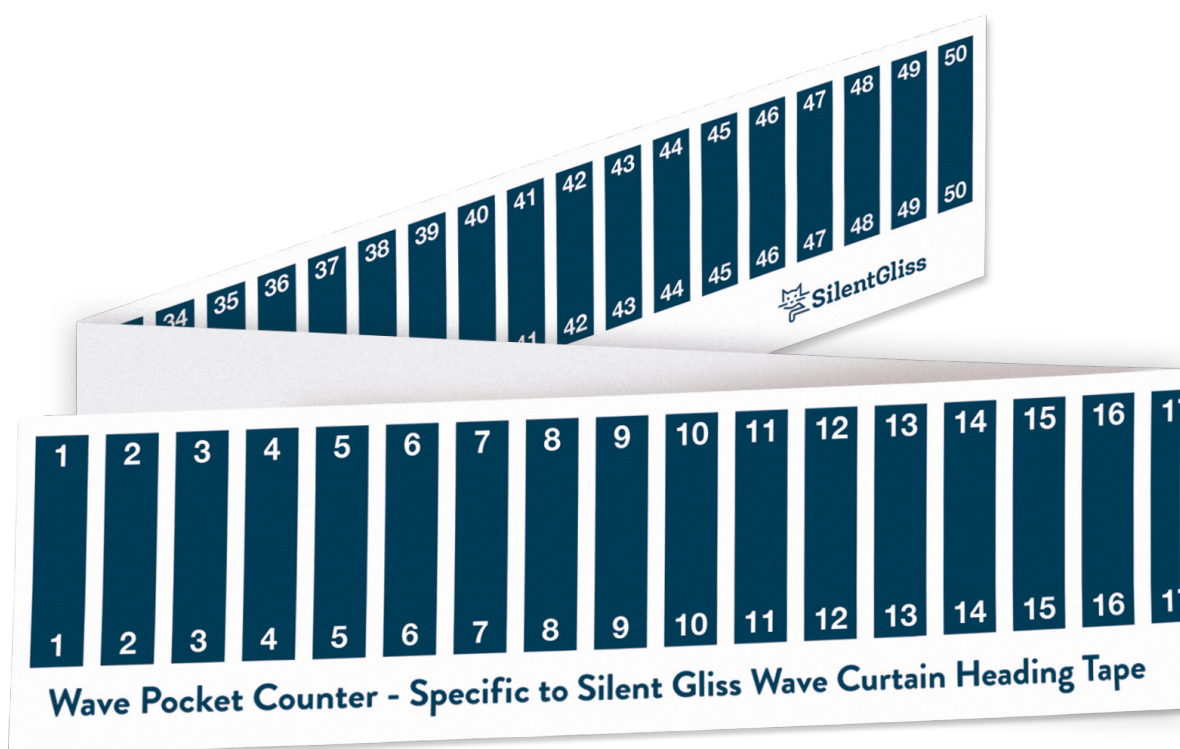
## Cutting The Heading Tape and Fabric

You now need to cut your heading tape according to the exact amount of pockets calculated above. To assist you, included with this guide is a pocket counter template which counts 50 pockets at a time, speeding up the process and making it more accurate.

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

This will represent the finished width of your curtain. Cut your fabric according to the width of your heading tape, adding on your usual allowances for hems etc.

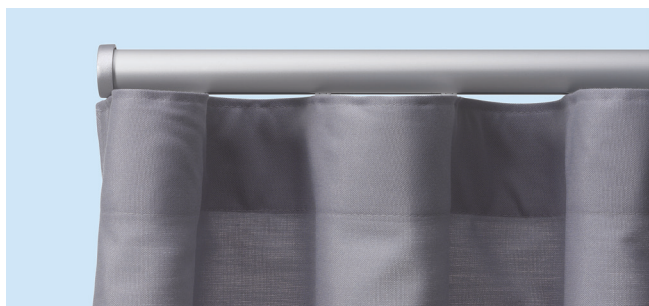
Remember that many fabrics reduce in width as they are sewn, ensure you make allowances when cutting the width of your fabric.



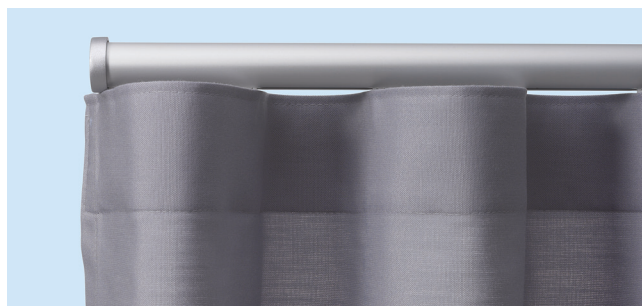
# Making The Curtain

## Wave Iron on Tape

We strongly recommend you use the Wave Top Hemming Tape (part no. SG 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 top hemming tape



Wave **with** the top hemming tape



Standard Wave gliders – allow a 75mm heading hem. Wave roller gliders SG 6099 – allow 95mm.



Lay top hemming tape under the hem. When using SG 6099 wave roller gliders use 2 rows of tape to cover the full hem.



For lined curtains the top hemming tape is positioned between the front curtain fabric and the lining as pictured.



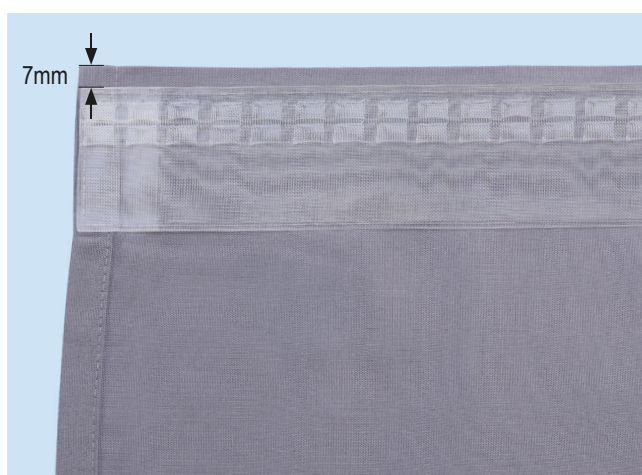
Iron sufficiently to adhere tape.

## Sewing the Tape

With standard wave glider cord sew the tape to the top of the curtain.



When using wave roller gliders SG 6099 sew the heading tape 7mm down from the top of the curtain.



# Curtain Hook Placement

## Hook placement for hand and cord tracks

Starting from either end, the first hooking point will be: 60mm glider cord = 3rd pocket, 80mm glider cord = 4th pocket. Thereafter, the hooks are inserted as required according to the relevant pocket factor used when calculating the length of the heading tape (see P10). E.g. pocket factor = 5 then insert a hook every 6<sup>th</sup> pocket (5 pockets are left empty).

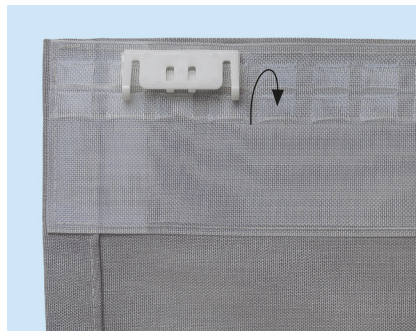
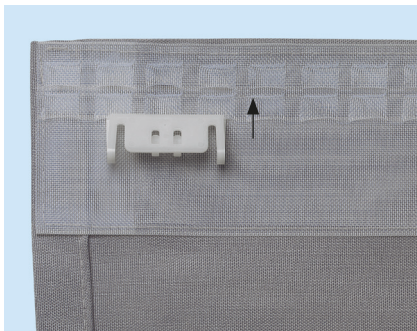
When using standard wave glider cord the hooks are placed in the top (1<sup>st</sup>) row of pockets. When using wave roller glider cord SG 6099 the hooks are placed in the bottom (2<sup>nd</sup>) row of pockets.

## Hook placement for hand and cord tracks with extension arm/carrier

Hand and cord operated tracks have the option of an extension arm/carrier to improve the look of the curtain. When using this option the glider calculation remains the same. The carrier simply replaces the first/last hooking point. No additional pockets are required.

The hooks of the carrier will straddle where the first hook would normally be. Remaining hooks should use the pocket factor based on where the first standard hook would have been.

## Positioning the carrier



# Curtain Hook Placement

## Hook placement for electric tracks

Electric tracks with Wave are supplied as standard with an extension arm on the leading edge of the curtain, pictured below. Follow instructions as on the previous page (P13) but place the carrier and hooks in the bottom row of pockets as shown.



On the motor side of the curtain, the pocket spacing needs to be 9 pockets to allow the curtain to wrap around the motor, pictured below. This was allowed for in the original pocket calculation.



# 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



[www.silentgliss.co.uk](http://www.silentgliss.co.uk)  
[www.silentglissglobal.com](http://www.silentglissglobal.com)