

Wave
Curtain Workroom Guide
August 2024

Supplied by
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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)



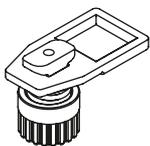
Curtain Hook SG 3582 (optional)



Curtain Side Weight SG 10076 (optional)



Curtain Weight Cord SG 10075 (optional)



- Prevents the leading edge of the curtain creeping forwards.

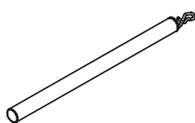
SG 2256 Adjustable Brake with leading glider aperture



With adjustable brake



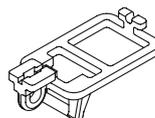
Without adjustable brake



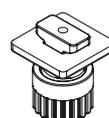
Carrier Rods (optional)

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

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



SG 6366 Draw Rod Carrier



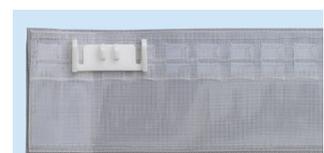
SG 2255 Adjustable Brake (no glider aperture)



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)



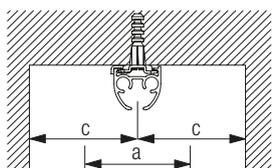
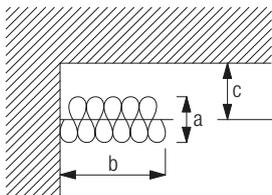
60mm Wave (front view)



80mm Wave (top view)



60mm Wave (top view)



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

Curtain Hook Spacing

This is the space between the two curtain hooks, defined by the number of empty pockets on the heading tape, known as the **Pocket Factor**.

The pocket factor will affect the depth and stack sizes of the curtain. For the majority of installations Silent Gliss would recommend the 80mm glider cord with a pocket factor of 7 (80mm spacing).

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.

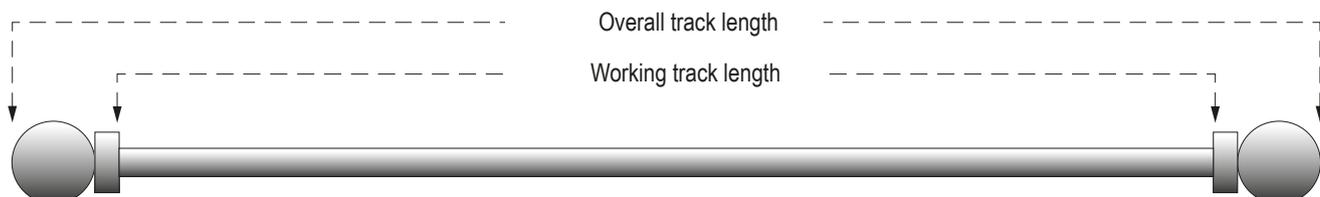
Note: Minimum distance (c) includes a standard 2cm clearance (front and back).

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

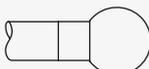
For all hand, cord and electrically operated tracks your working track length is the same as your total system length.

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 System SG 7630	System SG 7630 System SG 7640 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.

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.

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: $14 - 1 = 13$

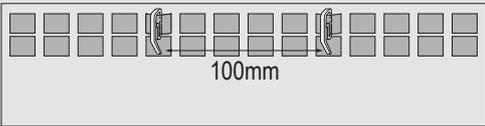
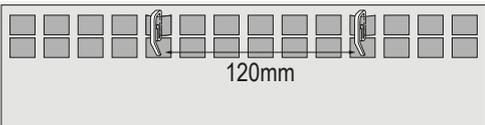
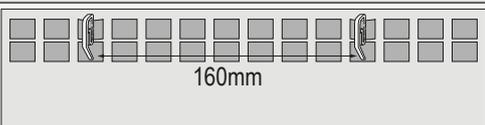
Step 3: $13 \times 4 = 52$

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

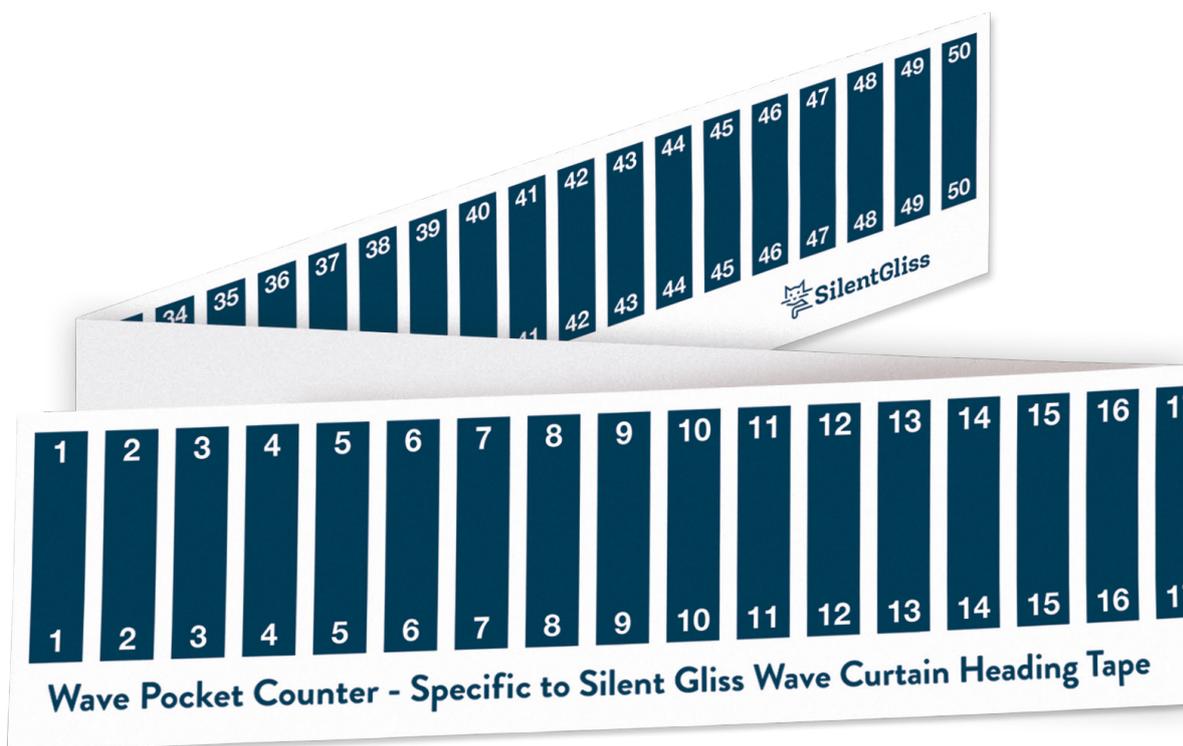
Cutting The Heading Tape and Fabric

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.



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 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 SG 6099 the hooks are placed in the bottom (2nd) 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



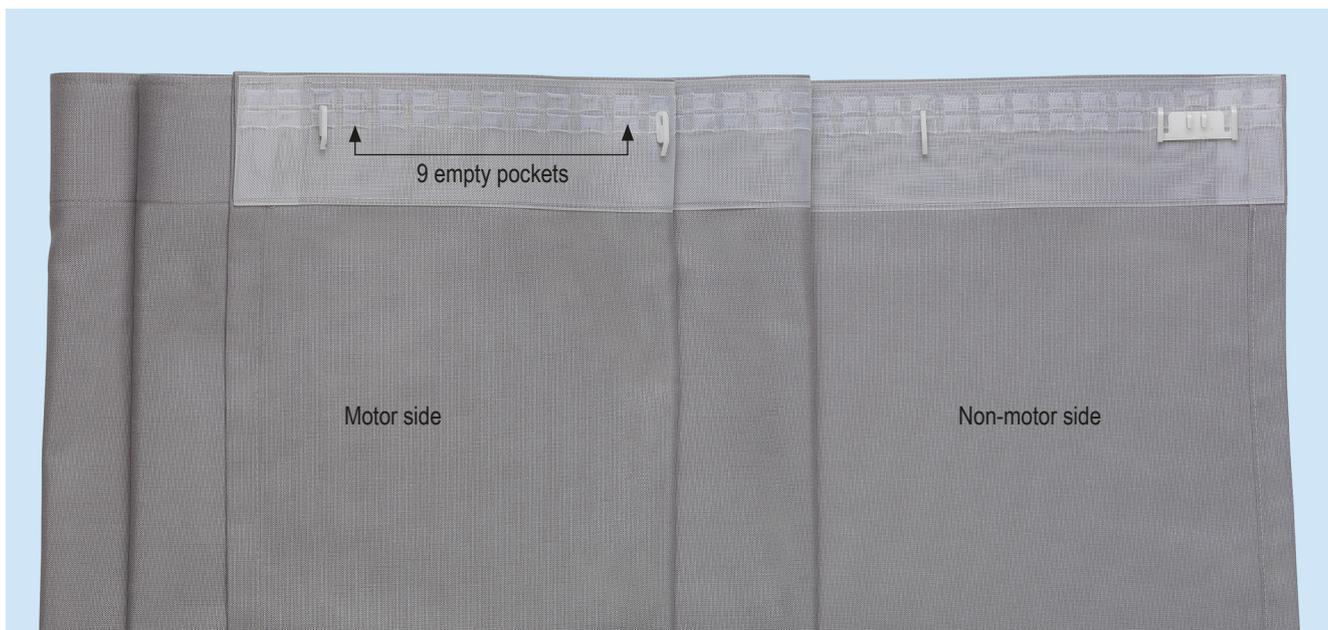
Curtain Hook Placement

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



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