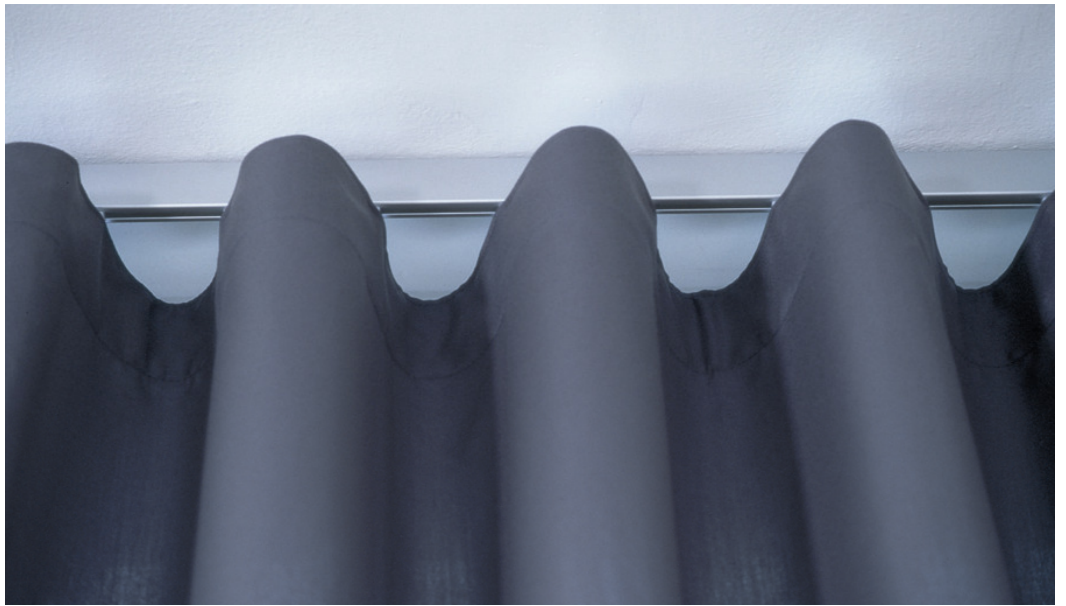


Wave® Curtain Workroom Guide



October 2009



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Calculating the number of gliders.

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Introduction

Silent Gliss Ltd understands that many workrooms will have their own method of manufacturing Wave curtains. This guide is intended to give you a suggested make up method so you get the best from the Silent Gliss Wave system.

When using your own fabrics we suggest that sample curtains are made to determine whether;

- a) It is suitable for use with Wave, and,
- b) If so, which size of Wave is most appropriate.

In general, stiffer fabrics tend not to lend themselves to Wave since they struggle to hold the soft curves for the drop of the curtain.

Once you have confirmed your fabric is suitable for Wave you may want to consider using lead weight tape and curtain side weights for an improved finished appearance.

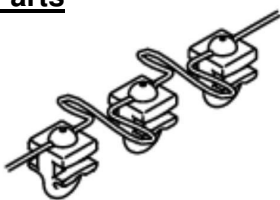
The maximum weight that the Wave heading tape can carry is 2.5kg per metre of track. However, individual track weight restrictions still apply.

This guide is based on using the recommended Wave component parts detailed to the right (not to scale).

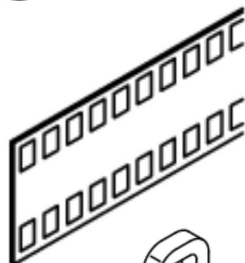
Wave – Essential Key Parts

6345 60mm glider-cord

6346 80mm glider-cord



6349 Wave curtain heading tape

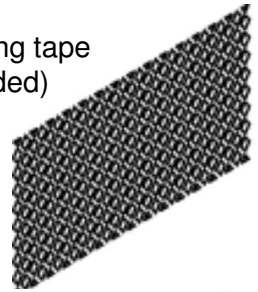


3582 Curtain hook

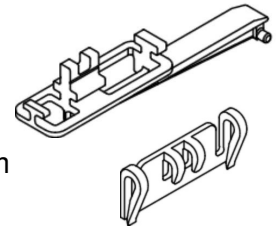


Wave – Optional Extra Parts

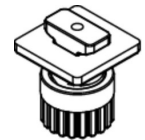
6363 Iron-on hemming tape
(strongly recommended)



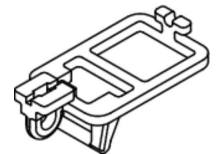
6364 Extension arm
6365 Carrier



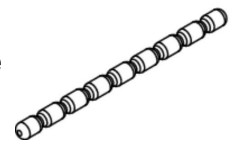
2255 Adjustable brake



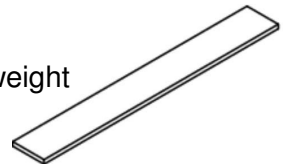
6366 Draw rod carrier



10075 Lead weight tape



10076 Curtain side weight

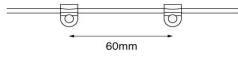
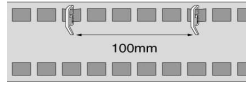
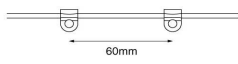
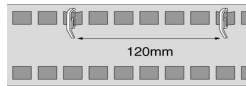

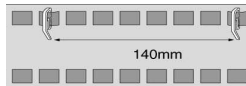
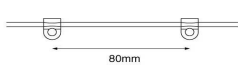



Which size Wave?

Wave curtains can be made in 4 different combinations. This is determined by combining either of the two glider-cords with different hook distance spacing.

Things to consider;

- What curtain fullness do you want to achieve?
- What width of curtain stack would you prefer?
- Is there a restriction on what the depth of the Wave can be?

Glider-cord spacing	Curtain hook spacing	Approx. Curtain fullness	Curtain stack width	Wave depth – curtains closed	Wave depth – curtains fully open
		1.9	230mm per metre of track + endpiece	90mm	100mm
		2.2	230mm per metre of track + endpiece	100mm	120mm
		2.0	180mm per metre of track + endpiece	120mm	140mm
		2.2	180mm per metre of track + endpiece	130mm	160mm

Calculate the number of Gliders

The next step is to calculate the number of gliders required.

We advise that you make your curtain according to the number of gliders contained within the track. However, if you do not have the track available then you can use either of the following methods.

1. Wave Calculator

Silent Gliss can provide you with a small Excel table in which you input your preferred system and glider-cord. It then automatically calculates how much tape you need.

This useful tool is available free of charge from Silent Gliss Ltd. Example below.

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

The only exception to this is for the System 5400, on the MOTOR SIDE ONLY deduct 1 glider.

This is to achieve a better flow of fabric around the motor.

2. Manual Calculation

Alternatively you can carry out the following calculation.

Take the finished track size and deduct the following (track end piece) measurement depending on your system.

- System 3840 Hand – no deduction
- System 3840 Cord - deduct 70mm
- System 5090 - deduct 128mm
- System 5400 - deduct 105mm
- System 6100 Metropole – no deduction
- System 6120 Metropole - deduct 80mm
- System 6130/6140 Metropole – no deduction

Then , using the revised dimension, find the corresponding size on the charts on the next page to look up the number of gliders required.

The only exception to this is for the System 5400, on the MOTOR SIDE ONLY deduct 1 glider. This is to achieve a better flow of fabric around the motor.

Examples:

System 6120 pair stack track of 1520mm with 60mm glider-cord.
Deduct 80mm = 1440mm = Total 28 gliders = 14 gliders per curtain.

System 5400 single stack of 4115mm with 80mm glider-cord.
Deduct 105mm = 4010mm = Total 54 gliders .

80mm Glider-cord				60mm Glider-cord			
No. Of	Track	No. Of	Track	No. Of	Track	No. Of	Track
Gliders	length mm	Gliders	length mm	Gliders	length mm	Gliders	length mm
6	385	96	7585	6	285	96	5685
8	545	98	7745	8	405	98	5805
10	705	100	7905	10	525	100	5925
12	865	102	8065	12	645	102	6045
14	1025	104	8225	14	765	104	6165
16	1185	106	8385	16	885	106	6285
18	1345	108	8545	18	1005	108	6405
20	1505	110	8705	20	1125	110	6525
22	1665	112	8865	22	1245	112	6645
24	1825	114	9025	24	1365	114	6765
26	1985	116	9185	26	1485	116	6885
28	2145	118	9345	28	1605	118	7005
30	2305	120	9505	30	1725	120	7125
32	2465	122	9665	32	1845	122	7245
34	2625	124	9825	34	1965	124	7365
36	2785	126	9985	36	2085	126	7485
38	2945	128	10145	38	2205	128	7605
40	3105	130	10305	40	2325	130	7725
42	3265	132	10465	42	2445	132	7845
44	3425	134	10625	44	2565	134	7965
46	3585	136	10785	46	2685	136	8085
48	3745	138	10945	48	2805	138	8205
50	3905	140	11105	50	2925	140	8325
52	4065	142	11265	52	3045	142	8445
54	4225	144	11425	54	3165	144	8565
56	4385	146	11585	56	3285	146	8685
58	4545	148	11745	58	3405	148	8805
60	4705	150	11905	60	3525	150	8925
62	4865	152	12065	62	3645	152	9045
64	5025	154	12225	64	3765	154	9165
66	5185	156	12385	66	3885	156	9285
68	5345	158	12545	68	4005	158	9405
70	5505	160	12705	70	4125	160	9525
72	5665	162	12865	72	4245	162	9645
74	5825	164	13025	74	4365	164	9765
76	5985	166	13185	76	4485	166	9885
78	6145	168	13345	78	4605	168	10005
80	6305	170	13505	80	4725	170	10125
82	6465	172	13665	82	4845	172	10245
84	6625	174	13825	84	4965	174	10365
86	6785	176	13985	86	5085	176	10485
88	6945	178	14145	88	5205	178	10605
90	7105	180	14305	90	5325	180	10725
92	7265	182	14465	92	5445	182	10845
94	7425	184	14625	94	5565	184	10965

Notes to chart

- For PAIR STACK, divide the total number of gliders by 2, then, if the resulting number is odd round it up to an even number.
- For ELECTRIC TRACKS, take off one glider, this means the curtain on the motor side will have an odd number of gliders to accommodate the curtain wrapping around the motor.

Calculate the length of the Heading Tape

The next step is to calculate the length of heading tape required.

We advise that you do not cut your fabric until you have confirmed the length of the heading tape.

There are two ways to calculate how much heading tape you require.

1. Wave Calculator

Silent Gliss can provide you with a small Excel table in which you input your preferred system and glider-cord. It then automatically calculates how much tape you need.

This useful tool is available free of charge from Silent Gliss Ltd.

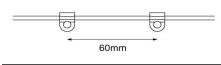
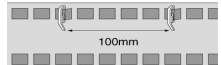
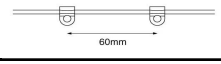




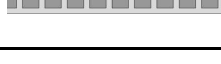
Click on yellow boxes to select or enter details	
Note: For 3840 hand drawn use 6101 calculation	
System	3840
track size	1500
Pair or single stack	P
Glider cord/Curtain hook spacing	60 100
Calculated number of gliders per curtain is	14
Calculated number of pockets per curtain is	76

2. Manual Calculation

Alternatively you can carry out the following calculation.

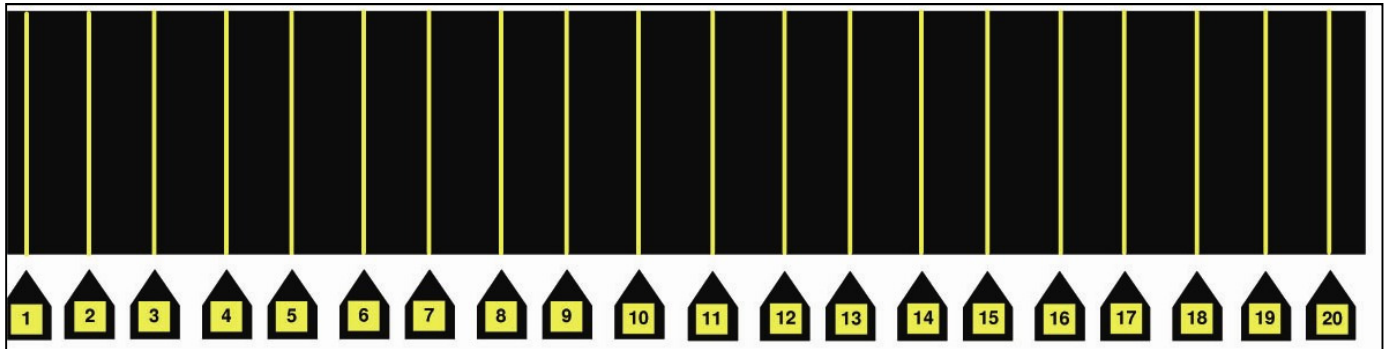
No. of Gliders (see previous chart) - 1 = this gives you your spaces x (pocket factor – see table below) + Gliders + 10 = Tape Length

When using Wave with **Electric Curtain** tracks (Systems 5400 or 5090) then add an additional 9 pockets for the motor side only.

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

Making the Curtain – WITHOUT new optional extra parts

1. Cut the tape according to the number of pockets . This process can be made considerably easier with the use of the Pocket Measuring Guide. These are available free of charge from Silent Gliss Ltd.



(not to scale)

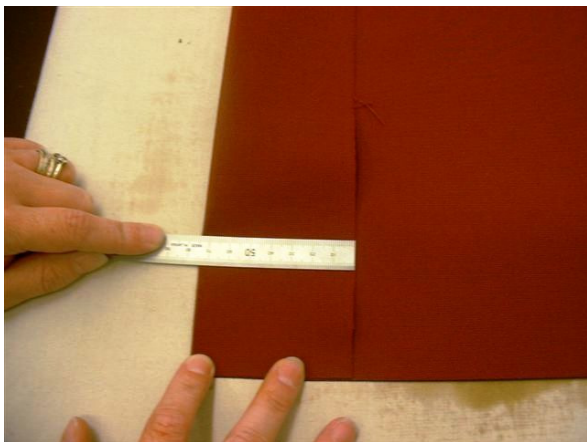
2. Turn in 2 pockets at each end of the tape. Now you have your finished curtain width, measure this to cut your fabric.
3. We recommend that you use the Wave Hemming Tape (part number 6363) to avoid fabric puckering and give a professional finish to the top hem.



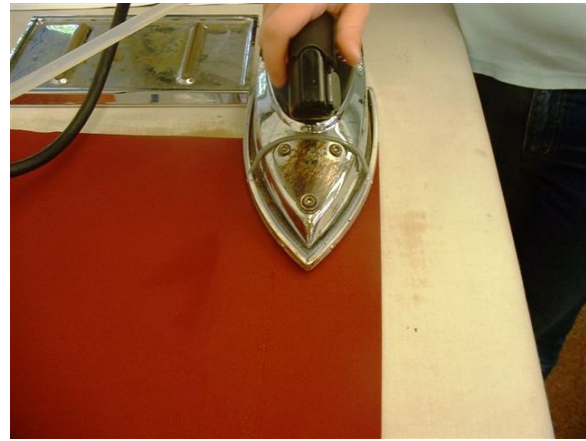
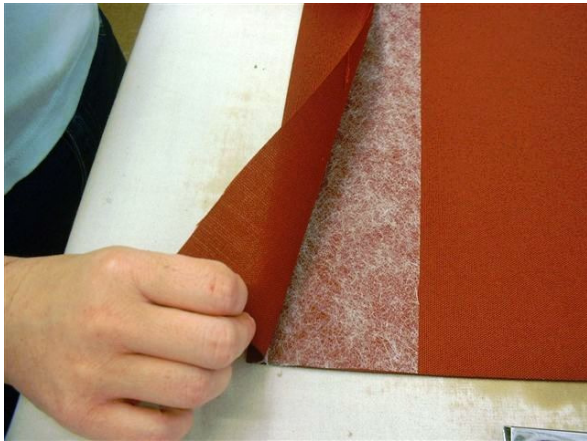
Wave without the Hemming Tape



Wave with the Hemming Tape.







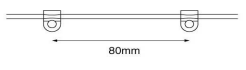

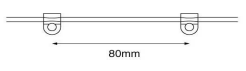

Measure the hem to 75mm and then iron the hem in position.



Lift the hem back and lay on the iron-on tape and then iron the hem so that the tape melts and sticks the 2 parts of the hem together.

4. The tape can now be sewn to the top of the curtain. The tape has been designed to give the correct hook drop when sewn in this position.
5. The first hook always goes into the 4th pocket from the leading edge and then hooks are inserted as required according to the relevant pocket factor (see below). E.g. Pocket Factor = 5 then insert a hook every 5th pocket.

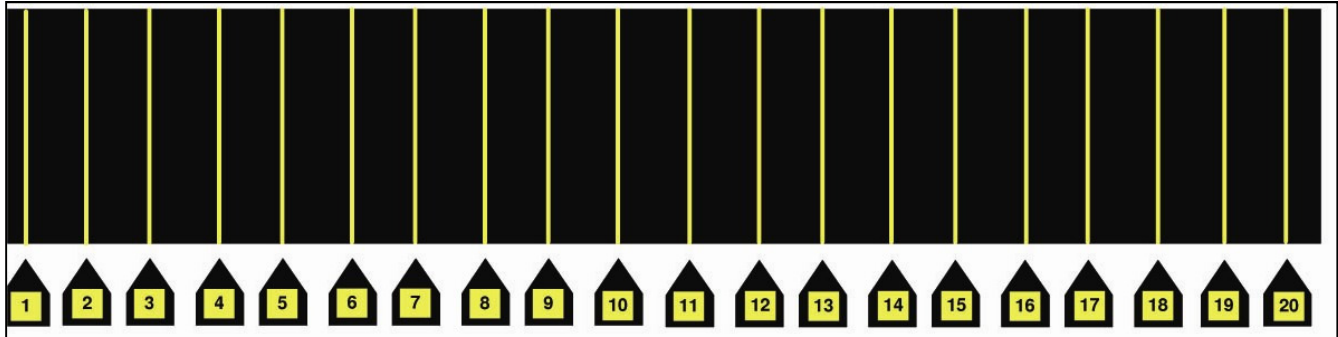
When using **Electric Curtain tracks** (System 5090 or 5400, when you arrive at the motor end your last space between gliders will be 9 pockets to accommodate wrapping the curtain around the motor. You will still have 3 further pockets after your last pocket.

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

6. When hanging the curtain pull the first fold towards you and the second away from you and so on.
7. If the fabric does not automatically fall into the Wave at the bottom we recommend you try using a lead weight cord in the hem (SG part number 100775) and fabric side weights (SG part number 10076).

Making the Curtain – WITH new optional extra parts

1. Cut the tape according to the number of pockets . This process can be made considerably easier with the use of the Pocket Measuring Guide. These are available free of charge from Silent Gliss Ltd.



(not to scale)

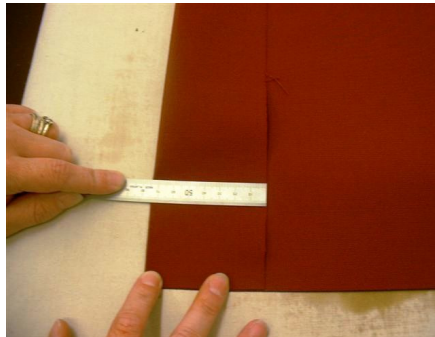
2. Turn in 2 pockets at each end of the tape. Now you have your finished curtain width, measure this to cut your fabric.

3. We recommend that you use Wave Hemming Tape (SG 6363) for a more professional curtain finish.

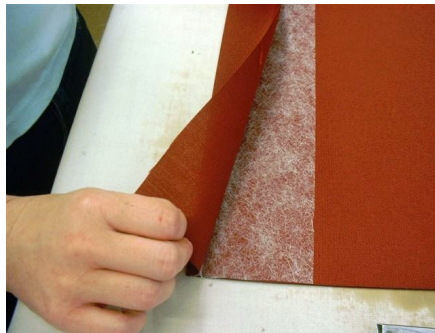
Pictures show with and without the hemming tape.



4. Measure the hem to 75mm and then iron the hem in position.





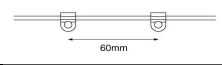





5. Lift the hem back and lay on the iron-on tape and then iron the hem so that the tape melts and sticks the 2 parts of the hem together.



- The tape can now be sewn to the top of the curtain. The tape has been designed to give the correct hook drop when sewn in this position.
- Insert the first hook of the carrier for the new extension arm into the 3rd pocket of the tape, (this will mean the second hook will attach in the 5th pocket).



- Then your next hook will be your pocket factor less 1 – E.g. If you're pocket factor would normally be 7 then for this next hook only leave just 6 from the end of the carrier.
- Thereafter insert the curtain hooks as per your pocket factor in the following table. E.g. Pocket Factor = 5 then leave 5 empty pockets and insert a hook every 6th pocket.

Glider-cord spacing	Curtain hook spacing	Pocket Factor
 60mm	 100mm	4
 60mm	 120mm	5
 80mm	 140mm	6
 80mm	 160mm	7

- 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.
- When using **Electric Curtain tracks** (System 5090 or 5400,). The curtain for the motor side will not have a carrier on the motor side of the curtain, only on the leading edge. Therefore when you arrive at the motor end your last space between gliders will be 9 pockets to accommodate wrapping the curtain around the motor, using a standard curtain hook. You will still have 3 further pockets after your last pocket.
- When hanging the curtain pull the first fold towards you and the second away from you and so on.