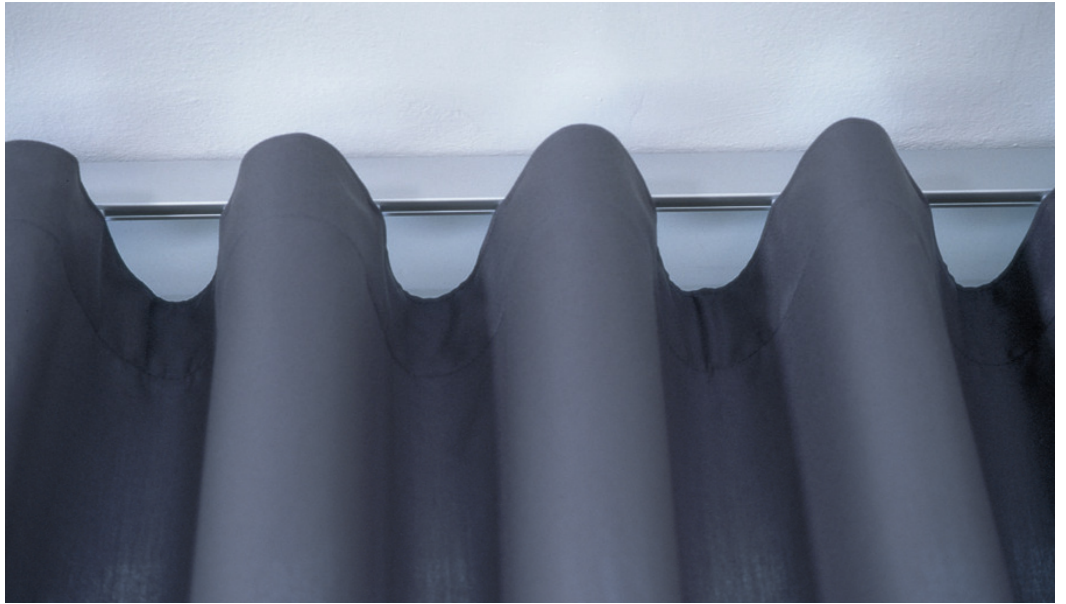


Wave® Curtain Workroom Guide



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.

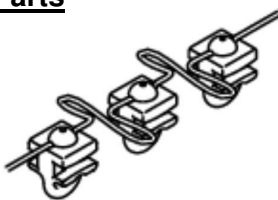
The maximum weight that the Wave heading tape can carry is 2.5kg per metre of track. However, individual track weight restrictions still apply.

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

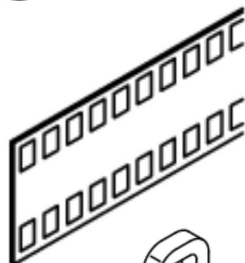
Wave – Essential Key Parts

6345 60mm glider-cord

6346 80mm glider-cord



6349 Wave curtain heading tape

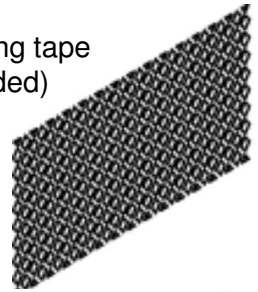


3582 Curtain hook

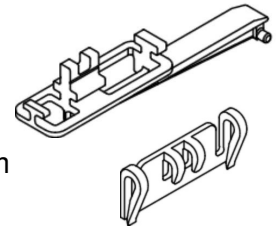


Wave – Optional Extra Parts

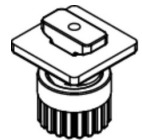
6363 Iron-on hemming tape
(strongly recommended)



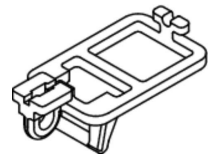
6364 Extension arm
6365 Carrier



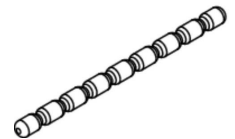
2255 Adjustable brake



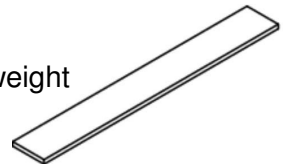
6366 Draw rod carrier



10075 Lead weight tape



10076 Curtain side weight

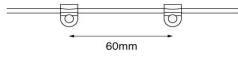
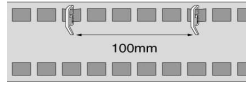
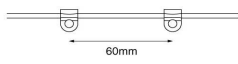
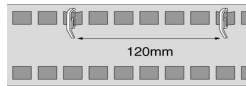

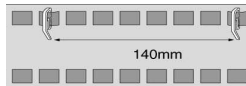
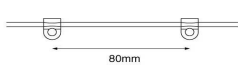



Which size Wave?

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

Note re: Curtain Stack Width

When using the 'Enhanced Wave Components', specifically the extension arm combination, the stack width will increase by 40mm.

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

Note the following exceptions:

For System 5400, on the motor side ONLY deduct 1 glider. This is to achieve a better flow of fabric around the motor. When using the ENHANCED Wave components, specifically the extension arm , deduct 1 glider for single stack and 2 gliders for pair stack.

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.

Note the following exceptions:

For System 5400, on the motor side ONLY deduct 1 glider. This is to achieve a better flow of fabric around the motor. When using the ENHANCED Wave components, specifically the extension arm , deduct 1 glider for single stack and 2 gliders for pair stack.

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 .

60mm Wave Glider Spacings

Gliders	Size (mm)	Gliders	Size (mm)	Gliders	Size (mm)	Gliders	Size (mm)
		54	3170	106	6290	158	9410
		56	3290	108	6410	160	9530
6	290	58	3410	110	6530	162	9650
8	410	60	3530	112	6650	164	9770
10	530	62	3650	114	6770	166	9890
12	650	64	3770	116	6890	168	10010
14	770	66	3890	118	7010		
16	890	68	4010	120	7130		
18	1010	70	4130	122	7250		
20	1130	72	4250	124	7370		
22	1250	74	4370	126	7490		
24	1370	76	4490	128	7610		
26	1490	78	4610	130	7730		
28	1610	80	4730	132	7850		
30	1730	82	4850	134	7970		
32	1850	84	4970	136	8090		
34	1970	86	5090	138	8210		
36	2090	88	5210	140	8330		
38	2210	90	5330	142	8450		
40	2330	92	5450	144	8570		
42	2450	94	5570	146	8690		
44	2570	96	5690	148	8810		
46	2690	98	5810	150	8930		
48	2810	100	5930	152	9050		
50	2930	102	6050	154	9170		
52	3050	104	6170	156	9290		

80mm Wave Glider Spacings

Gliders	Size (mm)	Gliders	Size (mm)
		54	4230
		56	4390
6	390	58	4550
8	550	60	4710
10	710	62	4870
12	870	64	5030
14	1030	66	5190
16	1190	68	5350
18	1350	70	5510
20	1510	72	5670
22	1670	74	5830
24	1830	76	5990
26	1990	78	6150
28	2150	80	6310
30	2310	82	6470
32	2470	84	6630
34	2630	86	6790
36	2790	88	6950
38	2950	90	7110
40	3110	92	7270
42	3270	94	7430
44	3430	96	7590
46	3590	98	7750
48	3750	100	7910
50	3910	102	8070
52	4070	104	8230

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.

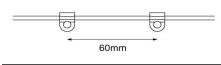
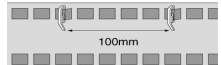
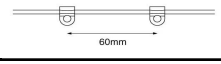




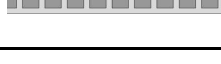
Click on yellow boxes to select or enter details	
Note: For 3840 hand drawn use 6101 calculation	
System	3840
track size	1500
Pair or single stack	P
Glider cord/Curtain hook spacing	60 100
Calculated number of gliders per curtain is	14
Calculated number of pockets per curtain is	76

2. Manual Calculation

Alternatively you can carry out the following calculation.

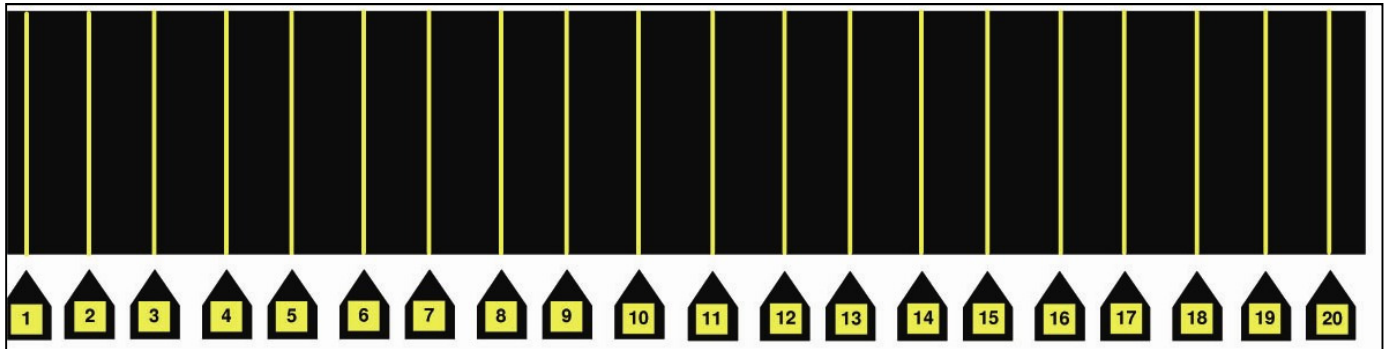
No. of Gliders (see previous chart) - 1 = this gives you your spaces x (pocket factor – see table below) + Gliders + 10 = Tape Length

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)

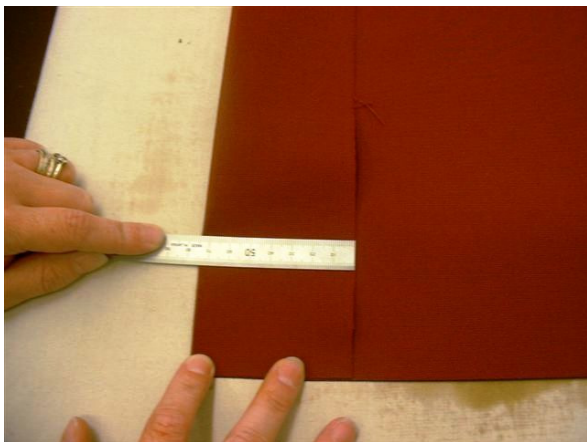
2. Turn in 2 pockets at each end of the tape. Now you have your finished curtain width, measure this to cut your fabric.
3. We recommend that you use the Wave Hemming Tape (part number 6363) to avoid fabric puckering and give a professional finish to the top hem.



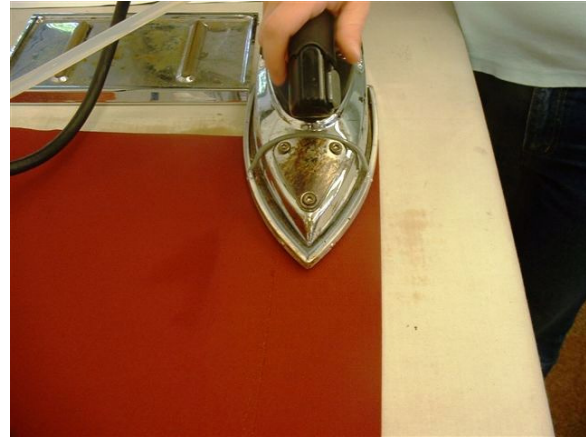
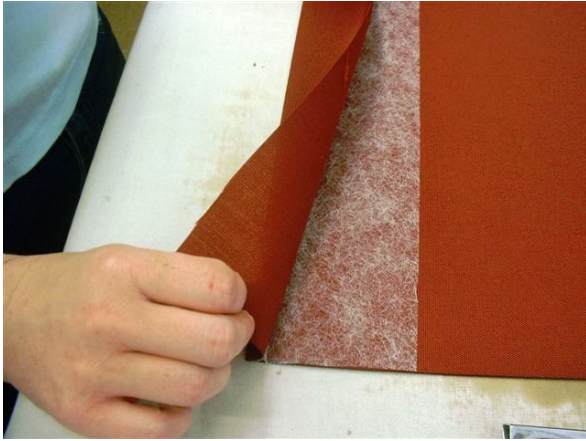
Wave without the Hemming Tape



Wave with the Hemming Tape.




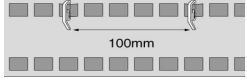


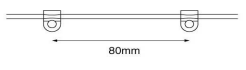
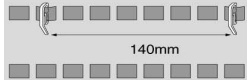
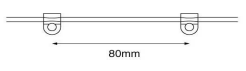

Measure the hem to 75mm and then iron the hem in position.



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.

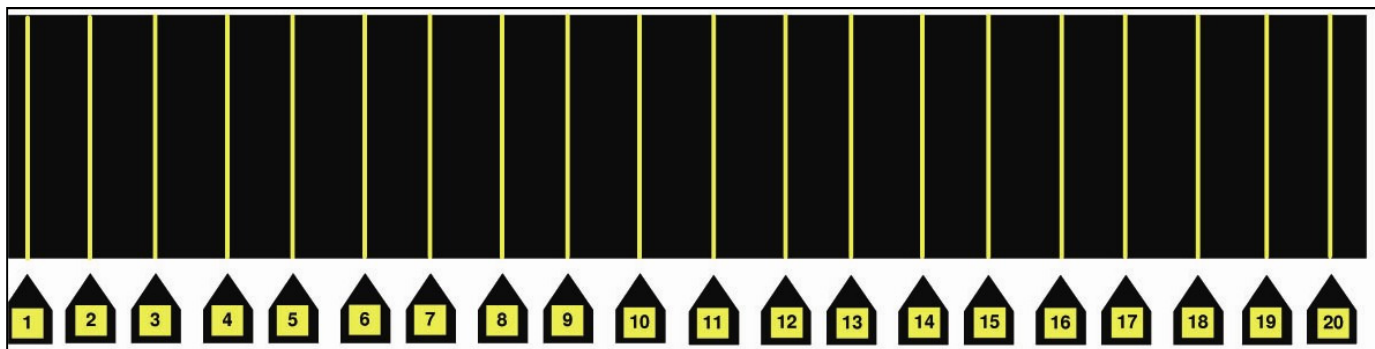
When using **Electric Curtain tracks** (System 5090 or 5400, when you arrive at the motor end your last space between gliders will be 9 pockets to accommodate wrapping the curtain around the motor. You will still have 3 further pockets after your last pocket.

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)

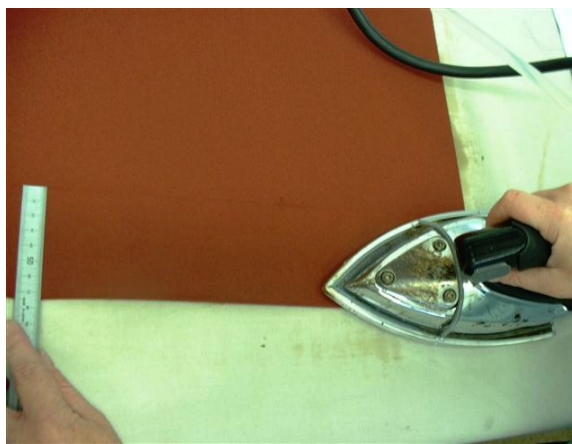
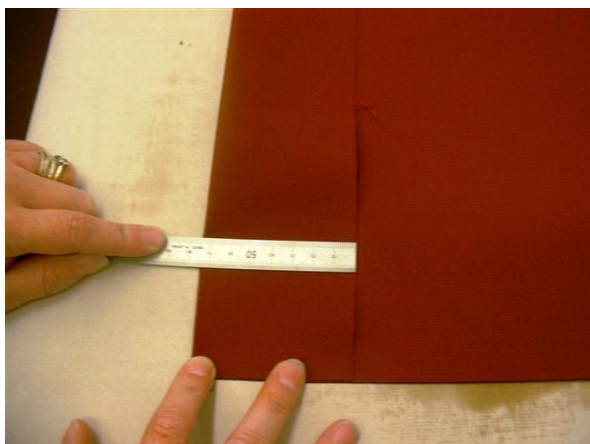
2. Turn in 2 pockets at each end of the tape. Now you have your finished curtain width, measure this to cut your fabric.
3. We recommend that you use the Wave Hemming Tape (part number 6363) to avoid fabric puckering and give a professional finish to the top hem.



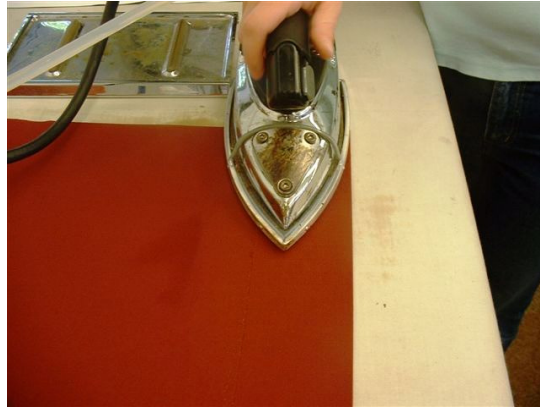
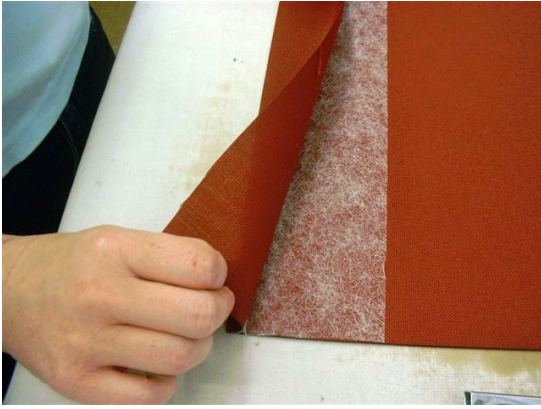
Wave without the Hemming Tape



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. 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).



6. 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.
7. 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
		4
		5
		6
		7

5. 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.
6. 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.
6. When hanging the curtain pull the first fold towards you and the second away from you and so on.