



The UK's leading manufacturer
of physical security products

Retail Price List



October 2016, Issue No 02
All prices are in pounds sterling excluding VAT.

CE MARKING

WHAT IS CE MARKING?

The letters "CE" are the abbreviation of French phrase "Conformité Européenne" which literally means "European Conformity."

1. CE Marking on a product is a manufacturer's and installer's declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislations. Product Directives contain the "essential requirements" and/or "performance levels" and "Harmonised Standards" to which the products must conform. Harmonised Standards are the technical specifications (European Standards or Harmonisation Documents) which are established by several European standards agencies (CEN, CENELEC, etc). CEN stands for European Committee for Standardisation. CENELEC stands for European Committee for Electrotechnical Standardisation.
2. CE Marking on a product indicates to governmental officials that the product may be legally placed on the market in their country.
3. CE Marking on a product ensures the free movement of the product within the EU single market.
4. CE Marking on a product permits the withdrawal of the non-conforming products by customs and enforcement/vigilance authorities.

WHAT IS THE MACHINERY DIRECTIVE?

The Machinery Directive (current)

'The Supply of Machinery (Safety) Regulations 1992, implements the European Machinery Directive and contains detailed requirements for manufacturing and installing safe new machinery.'

- CE marking for electrically operated roller shutters was introduced with effect from 1st January 1995, under the Machinery directive.
- From the 1st January 1997 all electrically operated roller shutters had to be CE marked.
- The Machinery Directive is risk assessment led. There are no product specific requirements.

Manufacturers (SWS UK) obligations are to:

- Prepare a risk assessment for all electrically operated products.
- Maintain a technical file for each electrically operated product.
- Provide installers with a Declaration of Incorporation to the Machinery Directive for each standard electrically operated product.
- Issue comprehensive fitting instructions.
- Issue operating and maintenance instructions.

Installers obligations are to:

- Install each electrically operated product as per the manufacturer's fitting instructions.
- Allocate each product with a unique reference number.

- Attach a CE label to the product.
- Provide end-users with a Declaration of Conformity to the Machinery Directive and retain a 2nd file copy.
- Provide customers with operating and maintenance instructions.

WHAT IS CPR?

CPR – Construction Product Regulations

The CPR builds upon the CPD and aims to break down technical barriers to trade in construction products within the European Economic Area (EEA). To achieve this, the CPR provides for four main elements:

- A system of harmonised technical specifications.
- An agreed system of conformity assessment for each product family.
- A framework of notified bodies.
- CE marking of products.

The CPR harmonises the methods of assessment and test, the means of declaration of product performance and the system of conformity assessment of construction products, but NOT national building regulations. The choice of required values for the particular intended use is left to the regulators and public/private sector procurers at the national level. However, such required values must be expressed in a consistent manner (technical language) as used in the harmonised technical specifications.

The full legislation relating to manufacturers, importers and distributors came into force on 1 July 2013, when the CPD was replaced.

SWS UK'S AND CUSTOMER'S OBLIGATIONS TO CPR

Manufacturers (SWS UK) obligations are to:

- Fulfil all requirements of the main product standard (BSEN 13241-1 Industrial, commercial and garage doors and gates – product standard part 1 – products without fire resistance or smoke control characteristics).
- Fulfil all requirements in supporting standards.
- Have safety functions and environmental characteristics tested by a UKAS accredited body.
- Have a fully documented, externally audited Factory Production Control system (FPC). SWS UK is registered to ISO 9001:2000
- Provide installers with a Declaration of Performance to the CPR.
- Issue comprehensive fitting, repairing and dismantling instructions.
- Issue a log book which is to remain with the product.
- Attach a CE label under the CPR to the manufactured product.

Installers obligations are to:

Retain a copy of the Manufacturers Declaration of Performance to the CPR and the Manufacturers Declaration of Incorporation to the Machinery Directive.

SPECIALS

All SWS products that are manufactured within the sizes and specifications listed in this price list are fully compliant to the essential requirements of the new product standard.

To manufacture a product outside of the specifications listed within this price list will require evaluation, possibly internal and external testing and a dedicated risk assessment and installation by SWS UK. This process will have associated costs and time implications regardless of whether we are able to supply the product or not.

*DOOR OR WINDOW

BSEN 13241-1 and its supporting standards, under the CPR, only apply to products installed over doorways. Products over windows have different product standards but they must still be compliant under the machinery directive if electric operation.

A doorway is any opening designed to give safe access to persons or vehicles in industrial, commercial or residential premises.

It is SWS UK's decision to classify all servery and cabinet applications as doorways.

To comply with the standard all doorway shutters require an anti-fall back device when the maximum out-of-balance static force exceeds 200 newtons† after a single suspension component failure. The doorway shutters affected by this will be indicated on the pricing tables which follow in this price list.

The anti-fall back device supplied will depend on the product type and operation. Spring loaded shutters requiring an anti-fall back device will be supplied with two springs to satisfy the standard.

Please note this will now mean that there are some widths of shutters which can no longer be manufactured if the shutter is required for a doorway. When applicable this will be clearly indicated on the price tables. Electrically operated shutters requiring an anti-fall back device will be supplied with either an anti-drop brake or a spring. The price table will indicate which anti-fall back device will be installed.

OPPORTUNITIES & BENEFITS OF CE MARKING

By following some simple steps you will be minimising the risk of injury to installers and users of roller shutters while meeting your legal obligations.

Importantly, under the Health & Safety at Work Act 1974, landlords and owners of domestic, commercial and industrial premises are under a legal obligation to ensure that new and existing shutters are maintained to the appropriate standard. In the event of an accident, investigators will ask your customer's Health and Safety representative to provide them with evidence of a proper risk assessment, correct installation, maintenance schedule and availability of operating instructions.

† **The newton is the SI unit of force. One newton is the force required to give a mass of 1 kilogram an acceleration of 1 metre per second.**

"Doorway Shutters, garage doors and gates must comply with the Machinery Directive and the Construction Product Regulation. Using products from 'SWS UK' that are properly CE marked demonstrates compliance."

"You are breaking the law if you accept, an electrically operated shutter that has not been properly CE marked."

Key benefits of CE marking:

- Products should become safer leading to a reduction in accidents.
- If an installer is subject to legal action, CE marking under the Construction Products Regulation provides a recognised legal framework to help offset installer liability.
- All employers have legal duties under: The Provision & Use of Work Equipment Regulations. Compliance under the CPR and MD not only ensures that products are safe but that they remain so through regular maintenance.
- With much greater emphasis on ensuring products are installed in an appropriate manner (i.e. are 'fit for purpose') fewer call-backs are anticipated.
- To comply with the CPR all our roller shutters and roller garage doors have undergone wind loading tests. This now provides us with accurate performance information for our range of products.
- Promotion of your compliance to this legislation will enhance your businesses credibility when approaching new and existing customers.
- To ensure our range of products comply with the new legislation there has been several product developments resulting in higher specification products and greater functionality.

Key points to remember

- It is the installer's / distributor's responsibility to ensure that the product selected is fit for the buyer's purpose and that it is of satisfactory quality for its intended use.
- Is it a door / servery or window?
- If a door is the size sufficient to require an anti-fall back device? (please refer to the appropriate pricing matrix)
- The application may restrict the choice of control equipment (see page 62 for further information).
- All products must be installed in accordance with our fitting instructions.
- A Declaration of Conformity to the MD must be issued once an electrically operated product has been installed. In addition a CE label should be attached to the product.
- The end-user should be familiarised with the safe operating procedures and issued with the operating and maintenance instructions/log book provided by SWS UK.

IMPORTANT

Please read the notes below before using this price list

1. It is the installer's / distributor's responsibility to ensure that the product selected is fit for the buyers purpose and that it is of satisfactory quality for its intended use.
2. Always place orders in metric, using SWS UK order forms or via our online ordering system. Consider each section carefully before moving on to the next. If you require delivery by a set date, this must be highlighted on your order.
3. Please ensure you clearly indicate the quotation number on your order, otherwise the price on the order confirmation will be chargeable. If a quotation does not match the order in every respect, the quotation must be recalculated prior to an order being accepted.
4. Distributors must notify all changes to existing orders in writing. Failure to do this prior to commencement of manufacturing will result in additional charges being made.
5. Product sizes are always 'overall'. In the case of shutters to the top of box and outside of guides. For retractable gates from underside of bottom track to top of top track and the outside of the fixing frame.
6. When specifying, pricing and ordering a product always refer to the width (across the top) first and then the height (down the side).
7. Be mindful that the bottom slat on shutters sits into the top of the guide rails by between 60 mm and 93 mm depending upon slat type. Further details are available from the appropriate product overview section of our new trade price list. Any products ordered 'clear opening' or 'underside of stops' will have the appropriate dimension added to the width and height.
8. All products are manufactured to the sizes given on your order. It is therefore important that you make any deductions or additions which may be necessary before placing your order.
9. Use the product codes illustrated in this trade price list when ordering components.
10. Always make sure that you receive an order confirmation, check it carefully and notify the office immediately with any amendments. Failure to do this will result in costly rework and time delays which may involve you incurring additional charges.
11. We require a responsible person to be present and assist with unloading orders on delivery.
12. Deliveries received must be checked before signing the delivery note. This is especially important with overnight carriers as it not possible for us to claim compensation for damages or missing items unless highlighted on the driver's delivery notes. If possible, take a photocopy of this documentation for future reference.
13. If damage is detected, please complete a Damage Identification Sheet (available from your online distributor area) and email to customerservicesfaxes@swsuk.co.uk along with a photograph.
14. Ensure fitting instructions are followed carefully by installation engineers and if the product is electrically operated it must be CE marked under the Machinery Directive after commissioning the product. Once CE marked the installer has an obligation to issue completed documentation to the end user that confirms that the product(s) have been fitted in accordance with our instructions.
15. Mill finish shutters tend to be very stiff to operate and are therefore unsuitable for everyday use in this condition. Please note SeceuroVision profiles are not available in mill finish.
16. Tables which indicate axle size, box extension and motor size are intended as a guide only and will vary with exact size and specification of shutter.

Contents

Built-on Shutters

SeceuroShield 150	page 4-5
SeceuroShield/Vision 38	page 6-8
SeceuroShield 3801	page 9
SeceuroShield 60	page 10-11
SeceuroShield/Vision 75 & 7501	page 12-13
SeceuroShield 77	page 14-15
SeceuroVision 800	page 16-17
SeceuroVision 900	page 18-19
Accessories for shutters	page 20-29

Retractable security gates

SeceuroGuard 1000 / SeceuroGuard 1001	page 30-35
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Xpanda range

Saftidor / Saftiwindow / Trackless Barrier / Double Diamond	page 36-39
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Window Bars & Grilles

SeceuroBar / Fixed Bars / Mesh Grilles	page 40-43
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Components

Exploded Shutter Illustrations	page 44-45
Slats & Endlocks	page 46-47
End Plates & Shutter Box	page 48
Guide Rails	page 49
Axle Assembly – Axles, Axle Caps, Brackets, Bearings & Collars	page 50
Axle Assembly – Locking springs, Belt & Rod Crank Drive Components	page 51
Spring Fittings	page 52

Additional information

Assembled Shutter Order Form	page 53
Sloping Bottom Slat Order Form	page 54
Removable Guide Rail Order Form	page 55
SeceuroGuard/SeceuroBar Order Form	page 56
SeceuroGuard 1000 Hinge Aside Order Form	page 57
Fixed Bars Order Form	page 58
Mesh Grille Order Form	page 59
Component Parts / Xpanda Order Form	page 60
Notes	page 61
Guide to purchasing Shutters	page 62
Guide to purchasing Retractable Security Gates	page 63
Guide to Electrically Operated Shutters	page 64-65
Marketing Support	page 66-67
Colours & Powder Coating	page 68
Delivery, Packing & Warranties	page 69
Contact Us	page 70

Please note: In line with SWS UK's policy of continuous product improvement, we reserve the right to make changes without prior notification. All information is believed correct at the time of publication, errors and omissions excepted.



Manual Belt Operation (vented slat)

Width including guide rails (mm)

Height including shutter box (mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400
1000	241	255	263	276	290	302	317	334	346	364	378	393	408	421	434	456	473	492	503	531	542	603	619	625	635
1100	252	263	276	295	313	328	343	360	378	390	408	426	448	466	484	499	522	537	555	569	587	641	656	666	674
1200	259	276	290	313	328	346	360	373	393	416	438	456	469	489	514	533	552	567	580	596	610	666	682	693	700
1300	269	285	306	325	343	360	378	401	416	438	456	473	503	522	537	559	575	587	605	624	643	701	721	733	738
1400	280	302	320	343	360	382	401	421	443	456	478	503	526	542	559	575	596	617	640	652	671	727	745	761	765
1500	290	313	334	356	380	401	421	443	460	492	509	526	545	567	583	602	645	640	663	684	696	763	783	798	803
1600	325	350	373	393	416	443	469	492	518	537	559	583	605	624	647	668	689	708	727	743	766	789	809	827	906
1700	338	364	386	412	434	460	481	518	537	559	583	605	624	647	671	693	712	731	755	776	817	859	883	905	933
1800	350	378	401	431	456	478	509	533	555	575	596	620	647	671	691	712	736	759	801	826	847	884	909		
1900	364	390	416	443	469	503	529	552	569	591	617	643	663	684	712	740	766	806	829	850	869	920			
2000	373	404	434	460	489	518	542	564	591	611	640	663	689	712	736	781	806	829	852	875					
2100	386	416	448	473	503	533	559	583	608	633	656	689	712	736	781	806	829	895	922						
2200	401	431	460	496	522	545	575	602	630	652	682	708	733	781	803	826	888	917							
2300	412	443	473	509	533	564	591	617	647	671	699	727	778	803	826	850	919								
2400	438	469	503	533	563	591	620	649	675	705	733	787	817	839	861	911									
2500	448	478	518	545	575	605	633	663	691	721	751	801	829	857	910										
2600	489	499	529	559	591	624	652	684	712	740	798	824	848	897											
2700	499	522	545	575	608	640	671	705	736	787	817	842	892												
2800	513	526	563	589	622	652	689	723	761	803	831	878													

137 mm

*Up to 800 mm

165 mm

180 mm

205 mm

Maximum shutter height including box for each box size

KEY:

 Window or Door

Type of Operation:

 Swivel Belt
 Geared Belt

◀ Swivel Belt ▶ Geared Belt



Rod Crank (vented slat) / Spring & Lock Operation (non-vented)

Width including guide rails (mm)

Height including shutter box (mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400
1000	347	361	369	382	397	409	422	440	452	470	485	500	514	528	540	561	580	598	610	638	647	707	723	739	766
1100	357	369	382	401	418	435	448	466	485	496	514	531	554	572	589	607	626	644	662	675	693	759	774	794	812
1200	364	382	397	418	435	452	466	478	500	523	544	561	576	593	619	640	656	674	684	703	714	788	805	823	844
1300	375	390	412	431	448	466	485	506	523	544	561	580	610	626	644	666	681	693	711	731	750	827	847	867	886
1400	387	409	427	448	466	489	506	528	551	561	584	610	632	647	666	681	703	723	744	760	777	855	877	896	917
1500	397	418	440	463	486	506	528	551	565	598	616	632	651	674	690	707	728	744	768	791	800	895	917	940	960
1600	431	456	478	500	523	551	576	598	623	644	666	690	711	731	753	772	795	816	832	851	874	924	946	969	999
1700	445	470	493	519	540	565	588	623	644	666	690	711	731	753	777	798	819	836	860	883	922	1002	1033	1059	1083
1800	456	485	506	536	561	584	616	640	662	681	703	728	753	777	797	819	844	864	909	932	952	1037	1063	1089	
1900	470	496	523	551	576	610	637	656	675	698	723	750	768	791	819	847	874	912	937	956	976	1077			
2000	478	510	540	565	593	623	647	672	698	717	744	768	795	819	844	886	912	937	958	979	1004				
2100	493	523	554	580	610	640	666	690	712	739	763	795	819	844	886	912	937	958	979						
2200	506	536	565	602	626	651	681	707	735	760	789	816	838	886	911	932	956	985							
2300	519	551	580	616	640	672	698	723	753	777	805	832	884	911	932	956	987								
2400	544	576	610	640	670	698	728	756	781	810	838	891	922	946	968	978									
2500	554	584	623	651	681	711	739	768	797	826	856	909	937	965	976										
2600	593	607	637	666	698	731	760	791	819	847	905	929	954	976											
2700	607	626	651	681	712	744	777	810	844	891	922	948	956												
2800	619	632	670	696	730	760	795	828	866	911	939	1005													

137 mm

*Up to 800 mm

165 mm

180 mm

205 mm

Maximum shutter height including box for each box size

KEY:

 Window or Door

Type of Operation:

 Rod Crank
 Spring Loaded

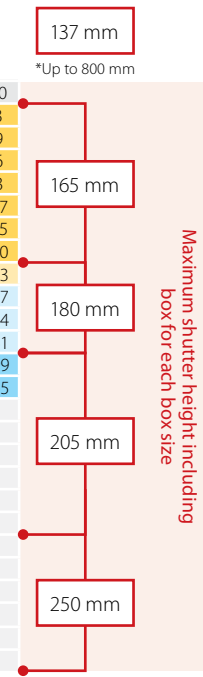
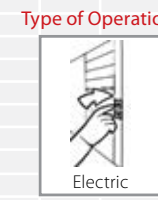
Maximum size for rod crank operation

Minimum Width For Spring Loaded Shutters is **665 mm**

Width including guide rails (mm)

Height including shutter box (mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400
1000	466	480	490	503	520	531	546	565	579	595	612	628	643	657	672	694	713	732	744	773	786	851	864	879	893
1100	477	490	503	523	543	559	574	592	612	624	643	662	684	705	724	740	764	781	799	815	834	885	899	915	929
1200	486	503	520	543	559	579	592	605	628	651	675	694	708	729	756	777	795	814	824	845	856	909	924	941	956
1300	496	513	536	555	574	592	612	635	651	675	694	713	744	764	781	803	821	834	853	874	893	942	958	975	993
1400	509	531	551	574	592	616	635	657	681	694	717	744	767	786	803	821	845	864	887	904	922	966	983	1001	1017
1500	520	543	565	588	615	635	657	681	699	732	751	767	789	814	829	848	869	887	913	937	946	999	1017	1035	1055
1600	555	583	605	628	651	681	708	732	761	781	803	829	853	874	896	917	941	962	982	1000	1005	1022	1041	1060	1080
1700	569	595	619	648	672	699	722	761	781	803	829	853	874	896	922	945	967	985	1010	1033	1045	1089	1108	1131	1153
1800	583	612	635	668	694	717	751	777	799	821	845	869	896	922	943	967	992	1015	1030	1055	1075	1112	1133	1155	1177
1900	595	624	651	681	708	744	771	795	815	837	864	893	913	937	967	997	1023	1033	1059	1081	1102	1145	1169	1192	1214
2000	605	640	672	699	729	761	786	810	837	859	887	913	941	967	992	1006	1033	1059	1082	1105	1131	1169	1193	1217	1241
2100	619	651	684	713	744	777	803	829	854	883	908	941	967	992	1006	1033	1059	1082	1105	1135	1161	1224	1250	1276	1299
2200	635	668	699	737	764	789	821	848	878	904	936	962	986	1006	1032	1055	1081	1105	1135	1161	1186	1247	1274	1299	1325
2300	648	681	713	751	777	810	837	864	896	922	952	982	1005	1032	1055	1081	1112	1135	1161	1190	1218	1282	1309		
2400	675	708	744	777	807	837	869	899	926	958	986	1013	1045	1070	1092	1122	1152	1181	1207	1236	1263	1306	1333		
2500	684	717	761	789	821	853	883	913	943	975	1006	1030	1059	1089	1119	1147	1175	1195	1222	1251	1279				
2600	729	740	771	803	837	874	904	937	967	997	1025	1052	1078	1100	1129	1159	1187	1214	1243	1274	1300				
2700	740	764	789	821	854	887	922	958	992	1013	1045	1072	1099	1124	1154	1184	1213	1243	1274						
2800	756	767	807	836	870	904	941	976	1016	1032	1062	1082	1112	1143	1172	1203	1233	1263	1293						
3000	796	815	859	883	904	949	1002	1018	1058	1070	1099	1120	1152	1184	1217	1249	1279								
3200	848	884	919	957	993	1030	1066	1103	1138	1176	1212	1249	1285	1322	1357										
3400	867	906	944	982	1021	1059	1096	1135	1172	1211	1250	1287	1325												
3600	879	917	957	998	1035	1075	1115	1154	1194	1234	1275	1313	1352												
3800	897	940	981	1022	1063	1104	1145	1187	1228	1268	1310														
4000	918	960	1003	1047	1090	1132	1175	1219	1261	1304	1347														

Minimum Width For Shutters:
Non-Override – 660 mm
Override – 710 mm
RTS Non-Override – 810 mm
RTS Override – 850 mm



KEY:

- Window or Door
- Window or Door with anti-drop brake

ANTI-DROP BRAKE
When required (as shown above) a surcharge of £89 must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of £95 must be added to the appropriate shutter price – see page 27.

Alternative NRG motor available at a deduction of £31 net

Overview of SeceuroShield 150

COMMON APPLICATIONS

Internal, low security domestic sites, bars and serveries. Provides heat insulation in conjunction with a window, shading and light control. Not for shops, garage doors or commercial windows.

CONSTRUCTION

Curtain Slat
SeceuroShield 150 uses a double skin foam filled aluminium slat, spring and lock operated shutters are supplied non-vented as standard, all other operations are supplied vented as standard but also available non-vented.

Bottom Slat

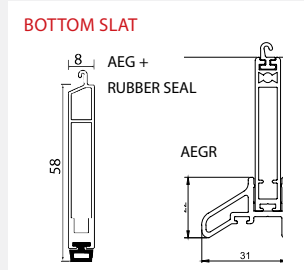
Extruded aluminium with rubber bottom seal. Reinforcing handle option (AEGR) surcharge £9.25 per linear metre available on request. Spring & lock shutters are supplied with a unique, patented, reversible bottom slat. This bottom slat features a top quirk which can be removed and turned around in the event that the bottom slat lock needs to face the other way.

Shutter Box

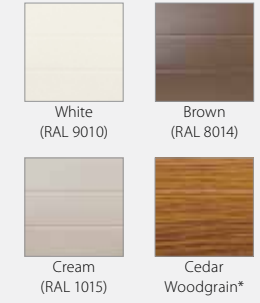
Die cast aluminium end plates with two piece roll formed aluminium box.

Guide Rails

Extruded aluminium with box section for fixing/reinforcement and high density 5mm pile brush seals. H25 guide profile as standard, H17 and H30 are available on request and H40/S is available at extra cost – (see page 20).



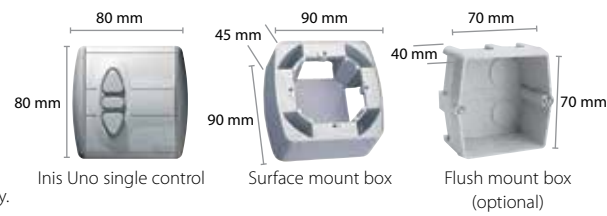
STOCK COLOURS FOR CURTAIN (SLATS), BOTTOM SLAT, BOX & GUIDES



Please note: Colour references on standard product are a guide only and will not match powder coated finish.
* Bottom slat, box and guides are not available in Cedar and will be supplied in brown as standard.

SWITCHES

All electric shutters are supplied with an Inis Uno single pole switch as standard unless another control device is requested. All switches will be supplied with a surface mount box unless a flush mounted box is requested on your purchase order. Switches are supplied "hold to run" for safety.



Manual Belt Operation

Width including guide rails (mm)

	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800
1000	324	339	348	367	382	397	412	436	449	472	489	509	525	565	576	585	605	628	642
1100	332	348	364	387	408	430	445	468	489	504	525	549	573	595	617	638	666		
1200	344	364	382	408	430	449	468	481	509	533	561	583	601	623	653	678	700		
1300	356	374	402	423	445	468	489	521	533	561	585	610	642	650	679				
1400	369	397	417	445	468	493	516	544	568	593	610	642	670						
1500	382	419	436	464	491	516	544	568	589	621	639	672							
1600	423	454	481	509	533	568	601	628	650	657									
1700	440	472	497	529	557	589	615	656	690										
1800	454	489	516	553	587	610	649	684											
1900	472	504	533	568	601	640	679												
2000	481	521	557	589	623	671													
2100	497	533	573	605	642	701													
2200	516	553	589	633	666														
2300	536	579	605	652															
2400	561	601	642	673															
2500	585	617	657																
2600	623	638	674																
2700	638	653																	
2800	653	672																	

Height including shutter box (mm)

▲ Swivel Belt ▼ Geared Belt

137 mm

*Up to 800 mm

165 mm

180 mm

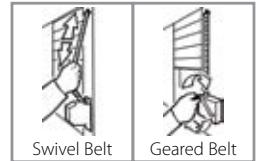
205 mm

Maximum shutter height including box for each box size*

KEY:

Yellow	Window or Door
--------	----------------

Type of Operation:



Rod Crank / Spring & Lock Operation

Width including guide rails (mm)

	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	
1000	361	380	401	420	440	461	480	500	521	549	557	565	585	605	623	643	663	681	701	702	702	729	755	772	791	809	828	847	865	884	901	
1100	386	407	430	451	473	495	518	539	569	591	602	612	633	654	676	698	718	739	765	767	769	794	820	839	860	881	901	925	949	970	990	
1200	406	430	454	477	500	525	556	581	604	626	640	650	673	697	718	741	769	792	816	819	822	848	875	899	925	947	970	992	1014	1035	1058	
1300	421	446	470	496	521	554	579	603	628	652	666	677	701	726	753	777	801	825	850	853	857	888	918	942	966	988	1011	1034	1058	1081	1103	
1400	441	468	495	522	556	583	610	637	663	690	702	714	744	770	796	822	848	874	898	912	925	949	973	998	1022	1047	1072	1096	1121	1146	1171	
1500	462	491	519	555	583	612	640	669	697	726	739	758	786	812	839	866	894	928	956	967	977	1002	1028	1053	1080	1106	1132	1163	1193			
1600	477	506	544	573	603	632	662	691	721	756	769	785	812	840	869	897	933	962	990	1002	1013	1038	1064	1092	1120	1151	1182	1210	1237			
1700	497	528	567	598	630	662	693	724	760	791	806	822	852	882	919	949	979	1010	1040	1053	1065	1092	1119	1152	1186	1214	1243					
1800	522	562	595	630	662	696	729	766	799	832	850	866	898	938	970	1002	1034	1066	1098	1112	1126	1158	1190	1221	1252	1283	1313					
1900	550	585	619	654	690	724	764	799	834	869	887	905	945	979	1013	1046	1080	1114	1147	1166	1187	1216	1245	1277	1310							
2000	580	616	652	691	728	764	806	844	881	917	937	963	999	1034	1070	1105	1142	1177	1213	1234	1254	1285	1315	1350								
2100	593	632	671	708	745	790	828	866	906	943	971	989	1027	1063	1100	1136	1173	1219	1255	1278	1298	1326	1353									
2200	614	653	694	734	778	819	858	898	939	986	1007	1028	1065	1104	1143	1181	1229	1266	1306	1327	1351											
2300	635	676	718	760	806	848	889	932	981	1023	1044	1065	1105	1145	1186	1234	1275	1314	1355	1379												
2400	649	692	735	783	825	868	912	962	1005	1047	1070	1092	1133	1174	1224	1265	1307	1348	1388													
2500	726	771	820	871	918	966	1012	1067	1114	1162	1186	1208	1254	1309	1353	1399	1444	1490														
2600	740	789	842	889	938	986	1042	1091	1138	1187	1212	1235	1291	1337	1383	1430	1476															
2700	761	810	865	915	966	1023	1073	1123	1173	1223	1249	1282	1329	1379	1427	1474																
2800	782	837	889	941	993	1052	1104	1155	1207	1259	1285	1320	1370	1420	1470																	

Height including shutter box (mm)

Maximum size for rod crank operation

▶ Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

◀ - 60 mm axle
▶ - 70 mm axle

NARROWER SIZES AVAILABLE:
If you require a narrower size, please enquire. Surcharge will apply.

137 mm

*Up to 800 mm

165 mm

180 mm

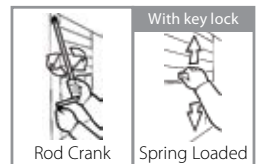
205 mm

Maximum shutter height including box for each box size

KEY:

Yellow	Window or Door
Light Blue	Window or Door with second spring
Dark Blue	Window only - cannot be a door

Type of Operation:



SECOND SPRING
When required (as shown above) a surcharge of £37 must be added to the appropriate shutter price.

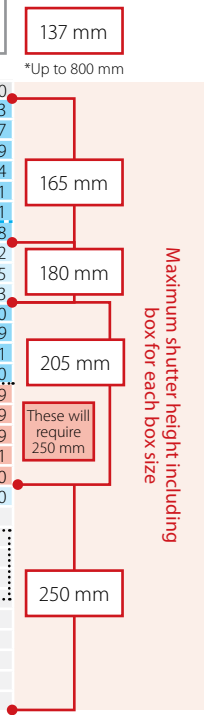
Minimum width for Spring Loaded shutters: Less than or equal to 2400mm in height = 665 mm. Greater than 2400 in height = 875 mm.

LARGER WIDTHS AVAILABLE:

SeceuroShield 38 can be manufactured to suit wider openings. Contact your Account Manager if you require a price and more details. Please note SeceuroShield 38 over 4 m wide will require H40/S guide rails and may also require a larger shutter box.

Width including guide rails (mm)

	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	
1000	598	615	623	642	657	672	689	710	726	747	764	785	800	842	851	859	881	904	917	936	954	972	990	1008	1028	1042	1055	1075	1094	1114	1133	
1100	608	623	640	663	682	704	720	742	764	779	800	823	849	871	891	913	940	958	982	997	1011	1027	1041	1062	1082	1106	1131	1152	1174	1195	1217	
1200	619	640	657	682	704	726	742	757	785	809	837	857	877	898	928	954	974	988	1002	1022	1041	1061	1080	1094	1107	1129	1150	1197	1245	1266	1289	
1300	631	649	676	700	720	742	764	796	809	837	859	885	917	940	958	978	998	1011	1036	1061	1084	1108	1133	1152	1172	1192	1213	1235	1259	1281	1304	
1400	644	672	693	720	742	768	791	819	845	868	885	917	945	954	978	998	1055	1067	1080	1100	1119	1138	1158	1171	1183	1224	1264	1289	1313	1337	1361	
1500	657	696	710	738	766	791	819	845	864	904	924	947	976	1011	1032	1055	1080	1105	1155	1164	1174	1183	1192	1230	1267	1293	1319	1344	1370	1396	1421	
1600	700	730	755	785	809	845	877	904	933	958	978	1006	1036	1062	1089	1114	1100	1167	1192	1218	1243	1267	1293	1318	1341	1370	1399	1426	1453	1481	1508	
1700	714	747	772	805	831	864	889	933	958	978	1006	1036	1062	1089	1119	1149	1144	1196	1226	1250	1272	1295	1319	1346	1373	1399	1425	1453	1481	1517	1552	
1800	730	764	791	827	861	885	924	954	970	998	1030	1055	1089	1119	1146	1176	1204	1233	1254	1282	1309	1337	1365	1390	1414	1443	1472	1509	1546	1575	1605	
1900	747	779	809	845	877	917	949	966	990	1018	1049	1084	1110	1140	1172	1208	1243	1282	1295	1325	1355	1384	1414	1441	1468	1508	1548	1579	1610	1642	1673	
2000	757	796	831	864	898	933	954	986	1018	1043	1080	1110	1144	1172	1204	1226	1256	1305	1339	1370	1401	1432	1463	1504	1546	1577	1608	1642	1674	1707	1740	
2100	772	809	849	881	917	945	978	1006	1038	1071	1103	1144	1172	1204	1226	1256	1289	1327	1382	1414	1446	1479	1511	1558	1604	1638	1672	1706	1740	1775	1809	
2200	791	827	864	909	940	958	998	1032	1066	1099	1135	1167	1199	1226	1254	1284	1317	1363	1424	1458	1492	1527	1561	1616	1669	1704	1738	1774	1809	1845	1881	
2300	812	853	881	924	945	986	1018	1049	1089	1119	1155	1192	1224	1259	1284	1314	1343	1397	1466	1501	1537	1571	1607	1667	1728	1763	1796	1834	1871	1921	1970	
2400	837	877	917	954	984	1018	1077	1091	1123	1162	1199	1233	1269	1299	1329	1355	1386	1421	1511	1547	1583	1618	1654	1706	1757	1797	1836	1886	1936	1977	2089	
2500	859	891	933	988	1008	1041	1080	1116	1149	1218	1259	1299	1341	1382	1424	1463	1510	1550	1605	1647	1688	1733	1778	1806	1834	1875	1919	2016	2089	2135	2179	
2600	898	913	949	1011	1032	1055	1105	1142	1197	1239	1281	1323	1366	1408	1450	1497	1552	1594	1636	1679	1720	1767	1812	1855	1897	1952	2006	2047	2113	2157	2199	
2700	913	938	982	1036	1058	1069	1131	1167	1226	1271	1314	1357	1401	1444	1494	1537	1594	1638	1681	1724	1768	1815	1864	1919	1973	2017	2157	2202	2251	2314	2361	
2800	928	945	1002	1058	1077	1091	1155	1192	1256	1302	1347	1393	1437	1487	1532	1591	1635	1681	1725	1772	1815	1876	1936	1983	2027	2230	2309	2359	2412	2491	2540	
3000	958	976	1055	1103	1123	1162	1206	1243	1258	1355	1402	1481	1533	1563	1611	1659	1772	1822	1865	1914	1964	2014	2022	2208	2260	2445	2626	2681	2732	2786	2840	
3200	1021	1054	1086	1160	1172	1207	1256	1293	1357	1408	1492	1542	1577	1627	1742	1792	1845	1894	1945	1993	2008	2223	2255	2432	2491	2545	2727	2786				
3400	1066	1104	1140	1206	1269	1317	1372	1414	1485	1555	1610	1665	1722	1778	1820	1903	1960	1980	2034	2197	2232	2432	2486	2545	2604	2663						
3600	1072	1133	1194	1307	1368	1428	1489	1550	1616	1692	1753	1814	1875	1935	1998	2090	2152	2213	2228	2400	2459	2518	2582	2641								
3800	1118	1182	1296	1361	1426	1489	1554	1622	1703	1766	1831	1895	1958	2022	2118	2183	2247	2316	2422	2446	2550	2609										
4000	1161	1228	1387	1412	1480	1547	1615	1691	1781	1836	1902	1969	2038	2104	2238	2270	2336	2420	2504	2567	2636											
4200	1216	1283	1399	1447	1528	1601	1673	1746	1856	1918	1986	2056	2128	2193	2330	2383	2454	2563	2631													
4400	1269	1340	1409	1485	1575	1656	1732	1801	1929	1999	2069	2143	2218	2283	2422	2497	2572	2641														
4600	1302	1378	1446	1522	1629	1705	1779	1902	1983	2058	2133	2208	2277	2422	2497	2572	2646															
4800	1335	1409	1490	1581	1673	1752	1875	1956	2037	2111	2192	2261	2412	2486	2567	2641																
5000	1372	1452	1532	1640	1725	1806	1934	2015	2101	2181	2261	2406	2486	2567	2646																	



KEY:

- Window or Door
- Window or Door with anti-drop brake

ANTI-DROP BRAKE
When required a surcharge of **£89** must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£95** must be added to the appropriate shutter price – see page 27.



Type of Operation: Electric

Minimum Width For Shutters:
Non-Override – 660 mm
Override – 710 mm
RTS Non-Override – 810 mm
RTS Override – 850 mm

Alternative NRG motor available at a deduction of **£31** net

← -60 mm axle, → -70 mm axle

Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

Overview of SeceuroShield 38

COMMON APPLICATIONS

High security domestic sites, medium security office/ commercial use dependent upon aperture size and risk. Small shopfronts and single garage doors with restricted headroom.

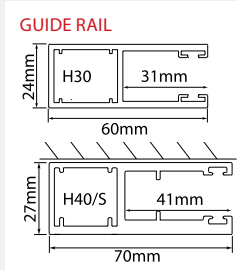
CONSTRUCTION

Curtain Slat
SeceuroShield 38 uses a double skin extruded aluminium slat.

Bottom Slat
Extruded aluminium with reinforcing angle. Available with rubber in place of reinforcing angle as a no cost option. Spring & lock shutters are supplied with a unique, patented, reversible bottom slat. This bottom slat features a top quirk which can be removed and turned around in the event that the bottom slat lock needs to face the other way.

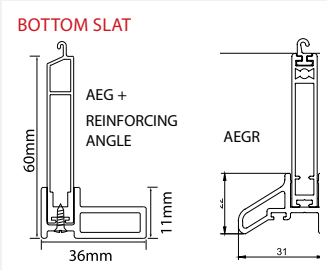
Shutter Box
Die cast aluminium end plates with two piece roll formed aluminium box. Larger sizes will be supplied with zinc plated steel end plates.

Guide Rails
Extruded aluminium with box section for fixing/reinforcement and high density 5 mm pile brush seals. H30 guide profile as standard, H17 and H25 are available on request and H40/S is available at extra cost – (see page 20) Please note H17 guide rail is suitable for internal use only.



H30 guide profile supplied as standard, H17 and H25 on request

H40/S guide rail is available (see page 20)

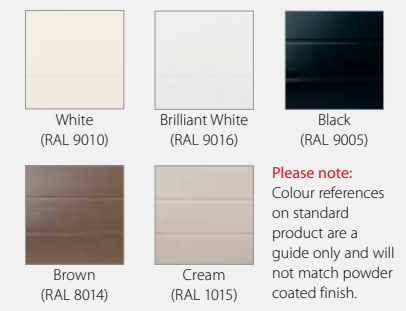


SWITCHES

All electric shutters are supplied with an Inis Uno single pole switch as standard unless another control device is requested. All switches will be supplied with a surface mount box unless a flush mounted box is requested on your purchase order. Switches are supplied "hold to run" for safety.



STOCK COLOURS FOR CURTAIN (SLATS), BOTTOM SLAT, BOX & GUIDES



Please note:
Colour references on standard product are a guide only and will not match powder coated finish.

THIS PRODUCT CAN BE POWDER COATED
See page 68

Punched or Perforated (No Glazing)

Width including guide rails (mm)

← 60 mm axle, → 70 mm axle

	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1000	37	40	47	51	54	57	61	64	67	73	78	81	84	88	91	94	99	104	108	111	115
1100	41	47	52	55	60	63	66	70	76	81	84	89	92	96	100	106	110	115	118	121	126
1200	50	54	58	62	66	70	78	82	87	91	95	100	106	111	116	120	124	129	135	141	145
1300	53	57	62	67	73	79	84	89	93	99	105	110	115	120	124	129	136	142	146	150	156
1400	58	64	68	76	82	88	93	97	105	111	117	121	127	134	141	146	150	168	162	170	175
1500	62	67	75	81	88	93	99	106	112	118	123	129	137	144	149	155	161	168	174	180	185
1600	67	76	82	89	95	101	110	116	122	129	136	144	149	156	164	171	177	183	189	198	204
1700	70	80	87	93	100	109	116	122	129	137	145	152	158	167	174	181	186	193	202	209	215
1800	79	87	93	101	110	118	124	132	142	148	156	164	173	180	186	196	203	211	218	227	235
1900	83	90	97	108	116	122	130	141	148	156	164	173	181	188	197	206	213	223	229	238	246
2000	87	94	104	112	120	128	139	147	155	164	173	181	188	198	207	214	224	234	241	250	259
2100	90	99	109	118	126	135	145	153	162	172	181	188	198	208	215	226	235	242	253	262	271
2200	95	106	116	124	135	145	154	164	174	182	193	202	211	221	231	240	250	261	269	279	289
2300	100	111	120	129	140	150	159	171	181	189	201	210	221	231	240	250	262	271	280	290	301
2400	106	117	127	139	148	158	171	181	189	202	212	224	234	243	255	266	275	287	298	308	318
2500	111	121	132	144	154	166	176	186	198	209	221	233	242	254	265	275	287	298	308	319	330
2600	117	127	141	150	162	175	185	198	209	221	233	243	256	267	279	290	302	314	326	338	348
2700	120	132	145	156	170	181	193	204	215	228	240	253	265	276	289	301	313	325	335	348	360
2800	126	139	152	164	177	188	202	214	227	240	253	265	278	290	302	316	328	342	354	366	379
3000	135	148	161	175	187	202	214	228	241	255	268	282	295	308	322	334	348	361	377	390	404
3200	145	158	174	186	202	215	231	245	261	274	289	302	317	331	346	360	375	390	405	419	433
3400	154	171	184	201	215	233	246	263	278	293	308	325	341	355	371	386	401	417	433	447	463
3600	164	181	197	213	229	246	263	279	296	313	329	345	361	378	394	410	427	443	461	476	492
3800	175	193	209	227	243	262	279	296	314	331	348	366	384	401	419	436	452	471	489	504	523
4000	184	203	221	239	259	276	295	314	331	349	369	387	406	423	441	462	479	498	516	533	552
4200	195	213	231	253	272	292	312	330	349	369	388	408	427	447	466	486	504	525	544		
4400	204	225	245	266	287	305	327	347	368	388	409	428	449	470	491	511	531	552			
4600	214	236	258	279	300	322	343	364	386	407	428	450	471	493	515	536	557				
4800	225	246	269	292	315	335	359	381	405	426	449	471	494	516	539	561					
5000	235	258	282	304	328	353	375	398	421	446	469	492	516	539	562						

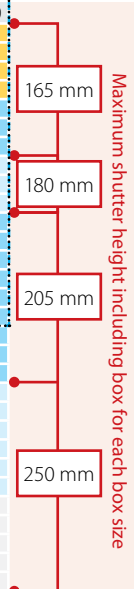
▶ Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

KEY:

- Window or Door
- Window or Door with anti-drop brake

ANTI-DROP BRAKE
When required (as shown above) a surcharge of **£89** must be added to the appropriate shutter price.

Surcharge
Prices shown are a surcharge which must be added to the appropriate shutter price.



Height including shutter box (mm)

Please note
If the shutter contains a combination of punched and solid slats refer to the table for Punched with Glazing to identify if you will require an anti-drop brake.

Overview of SeceuroVision 38

The prices shown are the surcharge for fully perforated, fully punched or fully punched and glazed shutters, up to the underside of the box. If you require only a section of the shutter curtain to contain vision please use the calculation below.

THIS PRODUCT IS NOT AVAILABLE WITH H17 GUIDE RAILS, WIND ENDOCKS OR BRICK BOND SPACING

Use of solid slat
Solid slats are always used within the shutter box, part of a solid slat may be visible on a completely punched curtain.

If partial vision within a curtain:
Punched or perforated vision surcharge = (number of slats x total width of shutter) x **£1.86** per linear metre
Punched and glazed vision surcharge = (number of slats x total width of shutter) x **£3.90** per linear metre

Larger Widths
If 4 or less punched or 10 or less perforated vision slats are required in a SeceuroShield 38 Built-on shutter the maximum width increases to 4000 mm.

SLAT

Punched 44% vision (picture shows polycarbonate glazing)
Perforated 18% vision 5mm dia. 35 holes per 100 mm of slat.

BOX LID

Box lids over 2000 mm are reinforced with 30 x 20 mm aluminium angle to reduce deflection of the box lid and modified to allow for deflection of the curtain.

Punched or Perforated (With Glazing)

Width including guide rails (mm)

← 60 mm axle, → 70 mm axle

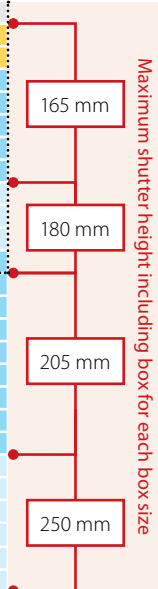
	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1000	78	84	91	99	108	115	121	129	137	145	152	159	168	175	182	189	198	206	2135	221	228
1100	84	92	100	110	118	126	135	144	152	159	170	177	184	194	202	210	218	227	236	243	253
1200	95	106	116	124	135	145	154	164	174	182	193	202	211	221	231	240	250	261	269	279	289
1300	105	115	124	136	146	156	167	177	186	198	209	218	229	239	250	262	271	282	292	302	313
1400	117	127	141	150	162	175	185	198	209	221	233	243	256	267	279	290	302	314	326	338	348
1500	123	137	149	161	174	185	200	211	224	236	249	262	273	286	299	312	323	334	347	360	373
1600	136	149	164	177	189	204	218	233	245	259	272	287	300	314	327	342	355	368	381	394	409
1700	145	158	174	186	202	215	231	245	261	274	289	302	317	331	346	360	375	390	405	419	433
1800	156	173	186	203	218	235	250	266	282	298	313	328	344	359	375	391	407	421	437	452	469
1900	164	181	197	213	229	246	263	279	296	313	329	345	361	378	394	410	427	443	461	476	493
2000	173	188	207	224	241	259	275	293	309	328	345	361	379	396	414	432	448	465	482	500	518
2100	181	198	215	235	253	271	289	305	325	343	360	379	397	415	433	450	469	487	504	524	542
2200	193	211	231	250	269	289	306	327	346	366	385	405	422	441	462	480	500	520	539	557	578
2300	201	221	240	262	280	301	320	342	360	381	401	421	440	462	480	501	521	542	561	582	602
2400	211	234	255	275	298	318	341	360	382	404	425	446	467	489	510	530	553	573	594	616	638
2500	221	242	265	287	308	330	353	375	397	419	440	463	485	506	529	552	573	594	617	639	662
2600	233	256	279	302	326	348	372	394	419	441	465	489	511	533	557	582	605	628	650	674	698
2700	240	265	289	313	335	360	385	409	433	457	480	504	529	553	578	602	624	649	673	698	722
2800	253	278	302	328	354	379	405	428	454	479	504	530	555	581	607	632	656	681	707	732	758
3000	268	295	322	348	377	404	431	457	484	510	537	563	590	618	645	672	699	726	752	778	805
3200	289	317	346	375	405	434	462	491	520	548	578	607	635	663	692	722	751	779	807	836	866
3400	308	341	371	401	433	463	494	525	555	586	617	648	678	709	740	770	802	832	862	895	925
3600	329	361	394	427	461	493	526	558	591	623	656	690	723	756	789	822	855	887	920	953	986
3800	348	384	419	452	489	524	557	592	628	662	698	732	767	801	836	871	907	941	976	1012	1045
4000	369	406	441	479	516	553	590	625	663	701	737	774	810	848	885	922	958	996	1032	1069	1106
4200	388	427	466	504	544	583	621	661	700	738	777	817	855	894	933	972	1011	1048	1088		
4400	408	449	491	531	572	613	654	696	736	777	818	858	899	940	981	1022	1063	1104			
4600	428	471	515	557	599	644	685	729	772	816	857	900	943	986</							

Width including guide rails (mm)

	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1000	938	938	938	938	938	938	938	938	938	938	938	938	938	938	949	973	988	1010	1028	1048	1066
1100	938	938	938	938	938	938	938	938	938	938	938	940	960	978	1000	1022	1044	1061	1093	1116	1132
1200	938	938	938	938	938	938	938	938	938	938	955	983	1005	1028	1048	1072	1104	1126	1149	1171	1192
1300	938	938	938	938	938	938	938	938	940	967	988	1010	1033	1061	1093	1116	1137	1160	1187	1210	1231
1400	938	938	938	938	938	938	938	955	978	1005	1028	1054	1088	1116	1137	1165	1187	1216	1236	1264	1293
1500	938	938	938	938	938	938	960	988	1016	1044	1066	1111	1132	1160	1187	1216	1242	1264	1293	1320	1358
1600	938	938	938	938	938	960	988	1016	1044	1083	1111	1137	1165	1192	1221	1249	1276	1304	1342	1374	1402
1700	938	938	938	949	978	1010	1038	1072	1111	1143	1171	1204	1231	1264	1293	1325	1369	1398	1431	1458	1491
1800	938	938	940	973	1000	1033	1066	1111	1137	1171	1199	1236	1264	1297	1325	1374	1402	1437	1463	1497	1530
1900	938	938	967	1000	1033	1066	1111	1143	1176	1210	1242	1276	1309	1342	1386	1425	1452	1486	1518	1551	1590
2000	938	967	1005	1038	1077	1111	1155	1192	1225	1264	1297	1337	1380	1413	1452	1491	1525	1557	1590	1629	1667
2100	949	988	1022	1061	1057	1143	1182	1221	1254	1293	1325	1374	1413	1446	1486	1518	1557	1596	1629	1684	1751
2200	978	1010	1048	1093	1137	1176	1216	1254	1293	1329	1380	1418	1458	1497	1530	1569	1614	1646	1701	1762	1806
2300	1000	1038	1077	1121	1171	1210	1249	1293	1329	1369	1418	1463	1502	1541	1580	1618	1662	1718	1778	1823	1862
2400	1016	1061	1099	1155	1192	1231	1276	1314	1358	1408	1446	1491	1535	1574	1614	1650	1713	1778	1816	1862	1904
2500	1044	1083	1126	1182	1221	1264	1309	1353	1408	1446	1491	1530	1580	1618	1662	1722	1787	1827	1871	1862	1960
2600	1061	1104	1155	1204	1249	1287	1329	1393	1437	1475	1518	1562	1607	1650	1713	1778	1823	1866	1910	1916	2053
2700	1083	1126	1182	1231	1276	1320	1365	1425	1469	1512	1562	1607	1650	1718	1778	1827	1871	1922	1965	1955	2108
2800	1111	1165	1210	1260	1309	1353	1413	1463	1506	1551	1601	1646	1713	1783	1827	1876	1927	1970	2070	2113	2165
3000	1281	1342	1398	1446	1502	1562	1614	1667	1718	1773	1823	1910	1965	2015	2065	2120	2225	2275	2330	2379	2434
3200	1337	1386	1441	1497	1562	1618	1674	1727	1783	1856	1927	1983	2039	2093	2197	2252	2314	2368	2419	2474	2536
3400	1380	1441	1497	1569	1629	1684	1739	1801	1876	1950	2010	2065	2126	2236	2296	2353	2413	2474	2529	2583	2651
3600	1425	1486	1546	1618	1679	1739	1801	1876	1960	2020	2081	2142	2252	2314	2374	2434	2501	2563	2610	2745	2811
3800	1469	1530	1607	1667	1734	1794	1876	1955	2020	2087	2147	2264	2330	2396	2457	2517	2591	2711	2778	2838	2904
4000	1506	1585	1650	1718	1787	1850	1950	2015	2087	2153	2270	2335	2407	2474	2540	2605	2739	2805	2871	2936	3004

Height including shutter box (mm)

Maximum shutter height including box for each box size



← 60 mm axle, → 70 mm axle

Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

Please note
This product is not available with punched or perforated slats

SPECIAL LPCB RESTRICTIONS
A SeceuroShield 3801 must be supplied with either a lock in the bottom slat or a pair of bullet locks attached to the guide rails. The price shown includes a lock in the bottom slat. The surcharge for upgrading to bullet locks in place of the bottom slat lock is **£25**

SeceuroShield 3801 is available with a manual override. The manual override handle must only be operated from the inside of the building. (Not included in the price shown).

The validity of the LPCB certification is contingent upon each shutter being installed in accordance with the requirements of LPS 1175. Details available on request.

Minimum Width 900 mm
Minimum Height 900 mm
Maximum Width 3000 mm
Maximum Height 4000 mm

All approved shutters must carry a label detailing the manufacturer, test standard and rating.

KEY:

- Window or Door
- Window or Door with anti-drop brake

ANTI-DROP BRAKE
When required a surcharge of **£89** must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£95** must be added to the appropriate shutter price – see page 27.

Overview of SeceuroShield 3801

Accessories - For applicable accessories and components see pages 20-29 & 44-52

COMMON APPLICATIONS

Domestic, retail and commercial properties requiring an above average level of security.

CONSTRUCTION

SeceuroShield 3801 uses a double skin extruded aluminium slat fitted with anti-vandal windlocks.

Bottom Slat

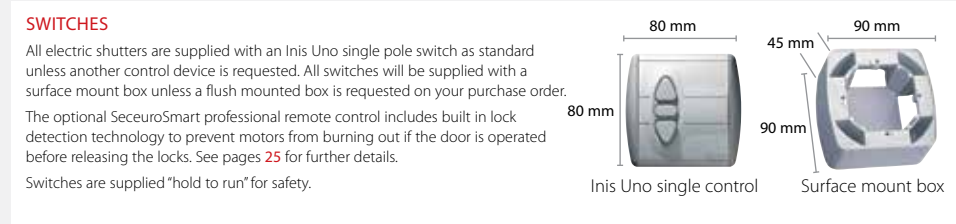
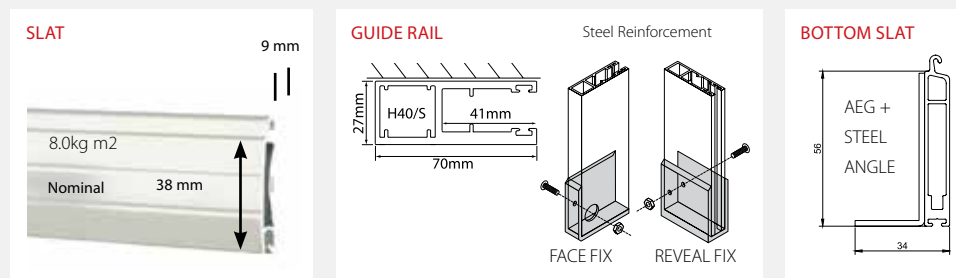
Extruded aluminium with steel reinforcing angle. Supplied with a lock in the bottom slat unless bullet locks are requested (£25 surcharge applies) see page 20 for details. The locks must be disengaged before operating the shutter or the motor will be damaged.

Shutter Box

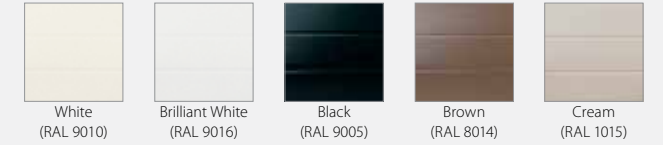
Steel end plates with two piece roll formed aluminium box.

Guide Rails

H40/S high security guides reinforced with steel sections at the base.



STOCK COLOURS FOR CURTAIN (SLATS), BOTTOM SLAT, BOX & GUIDES

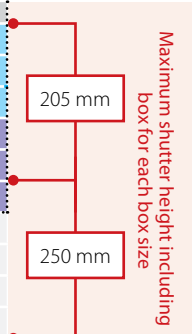


THIS PRODUCT CAN BE POWDER COATED
See page 68

Please note: Colour references on standard product are a guide only and will not match powder coated finish.

Width including guide rails (mm)

	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
1000	378	401	441	481	530	572	612	652	693	739	779	845	885	1006	1049	1095
1200	420	448	502	551	598	645	693	744	793	839	904	965	1014	1134	1184	1234
1400	436	494	548	599	652	708	762	815	881	935	987	1054	1107	1241	1296	1352
1600	477	544	602	661	726	785	844	917	976	1036	1095	1176	1236	1369	1431	1494
1800	519	582	645	713	778	857	920	985	1049	1122	1186	1265	1329	1467	1534	1601
2000	638	711	791	865	955	1029	1104	1179	1261	1341	1415	1497	1572	1720	1798	1875
2200	676	758	844	924	1021	1102	1183	1271	1357	1441	1522	1609	1691	1844		
2400	707	798	883	985	1071	1158	1252	1344	1430	1517	1603	1695	1782			
2600	745	844	950	1044	1136	1237	1336	1430	1522	1615	1714	1807				
2800	790	889	1004	1103	1210	1314	1415	1514	1615	1719						



SECOND SPRING
When required a surcharge of £37 must be added to the appropriate shutter price.

KEY:

- Yellow: Window or Door
- Light Blue: Window or Door with second spring
- Dark Blue: Window only – cannot be a door

Type of Operation:



Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

all axes 70 mm

Minimum width for Spring Loaded shutters:
Less than or equal to 2100 mm in height = 665 mm.
Greater than 2100 in height = 875 mm.

STOCK COLOURS FOR Curtain (SLATS)
BOTTOM SLAT, BOX & GUIDES



Overview of SeceuroShield 60

COMMON APPLICATIONS

Higher security on shop fronts and vulnerable office/commercial applications wherever special colours are required.

CONSTRUCTION

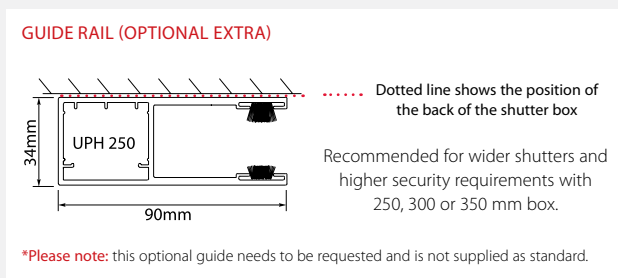
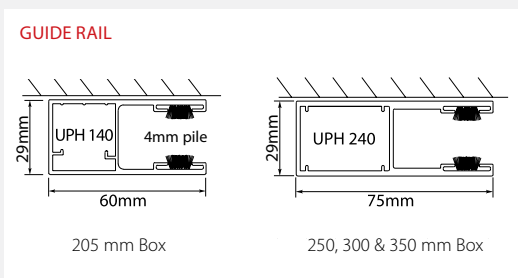
Curtain Slat
SeceuroShield 60 uses a double walled aluminium slat.

Bottom Slat
Extruded aluminium with reinforcing angle.

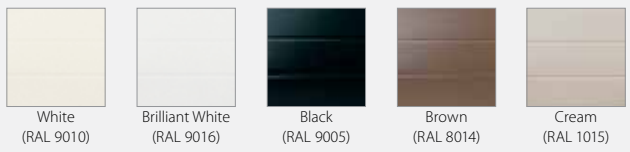
Shutter Box
Die cast aluminium end plates with two piece roll formed aluminium box. Larger sizes (shutters with a curtain weight of 75 kg upwards) will be supplied with zinc plated steel end plates.

Guide Rails
Extruded aluminium with box section for fixing/reinforcement and high density pile brush seals. UPH140 guides supplied with 205mm box, UPH240 guides supplied with 250, 300 and 350 mm box. UPH250 recommended on wider shutters and for shutters requiring higher security with 250, 300 or 350 mm box.

Accessories - For applicable accessories and components see pages 20-29 & 44-52



STOCK COLOURS FOR CURTAIN (SLATS), BOTTOM SLAT, BOX & GUIDES



Please note: Colour references on standard product are a guide only and will not match powder coated finish.



Width including guide rails (mm)

Height including shutter box (mm)	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000
1000	569	593	637	678	721	763	806	849	890	933	975	1017	1060	1102	1144	1188	1379	1422	1467	1510	1555	1598	1643	1686	1728	1774
1200	612	642	692	740	790	838	887	937	985	1034	1083	1132	1228	1277	1326	1376	1527	1578	1628	1678	1728	1779	1831	1880	1930	1982
1400	626	680	735	790	844	897	950	1005	1060	1113	1214	1267	1322	1376	1430	1483	1640	1695	1751	1807	1863	1919	1973	2029	2084	2139
1600	669	730	790	851	912	972	1033	1093	1201	1261	1322	1382	1443	1504	1579	1639	1929	1995	2061	2128	2194	2259	2325	2392	2705	2623
1800	703	768	834	899	966	1031	1096	1208	1275	1340	1406	1471	1551	1617	1682	1748	2041	2111	2183	2254	2324	2395	2565	2635	2904	2778
2000	819	894	970	1046	1122	1199	1321	1398	1473	1550	1626	1716	1793	1868	2030	2108	2186	2264	2340	2516	2595	2671	2750	2828	2904	2982
2200	857	940	1022	1105	1188	1318	1400	1483	1566	1662	1746	1828	1910	2016	2163	2247	2331	2513	2598	2683	2767	2849	2934	3019	3219	3303
2400	888	975	1063	1151	1285	1373	1461	1549	1651	1739	1826	1914	2024	2112	2264	2451	2540	2630	2719	2808	2897	2987	3191	3280	3369	3459
2600	926	1021	1115	1256	1351	1445	1540	1649	1743	1837	1931	2048	2142	2244	2493	2591	2686	2781	2876	2974	3185	3280	3375	3472	3569	3664
2800	967	1067	1167	1315	1416	1518	1633	1734	1835	1935	2059	2167	2269	2368	2626	2728	2832	2933	3152	3253	3358	3459	3561	3664	4248	4359
3000	1012	1119	1272	1379	1486	1598	1718	1825	1938	2069	2182	2288	2395	2658	2766	2874	2983	3207	3315	3425	3532	3641	4217	4336	4927	5056
3200	1052	1165	1325	1439	1557	1685	1798	1911	2053	2174	2287	2400	2515	2783	2899	3129	3245	3361	3476	3590	3917	4286	4873	5007	5145	5413
3400	1091	1258	1378	1498	1638	1756	1876	2025	2146	2273	2393	2514	2634	2908	3147	3270	3391	3513	3635	3949	4302	4933	5076	5349	5493	
3600	1123	1295	1420	1550	1689	1814	1966	2093	2224	2349	2476	2601	2825	3122	3248	3375	3502	3630	3926	4307	4450	5214	5363	5664	5819	6064
3800	1163	1341	1473	1625	1755	1887	2047	2185	2317	2450	2580	2812	2944	3248	3381	3515	3805	3921	4218	4490	4640	5413	5563	5864	6019	6264
4000	1195	1379	1520	1672	1808	1971	2109	2252	2390	2526	2760	2899	3206	3344	3483	3816	4108	4213	4356	4971	5125	5819	5969	6270	6425	6670
4200	1281	1425	1573	1731	1873	2045	2194	2338	2482	2626	2868	3181	3326	3470	3726	4119	4237	4381	4873	5125	5819	5969	6270	6425	6670	6915
4400	1321	1471	1640	1790	1966	2117	2274	2424	2574	2822	2974	3293	3446	3596	3970	4342	4471	4967	5125	5819	5969	6270	6425	6670	6915	7160
4600	1501	1661	1857	2016	2199	2362	2548	2712	2888	3099	3260	3551	3776	3940	4302	4466	4933	5125	5819	5969	6270	6425	6670	6915	7160	7405
4800	1682	1850	2074	2243	2431	2605	2822	2996	3200	3373	3548	3810	4108	4282	4450	4957	5125	5819	5969	6270	6425	6670	6915	7160	7405	7650
5000	1732	1910	2138	2317	2515	2694	2918	3126	3309	3488	3671	3940	4248	4420	4600	5116	5125	5819	5969	6270	6425	6670	6915	7160	7405	7650

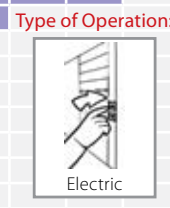
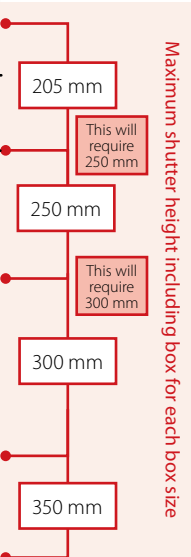
KEY:

- Window or Door
- Window or Door with anti-drop brake
- Window and Door anti-drop surcharge

ANTI-DROP BRAKE
When required a surcharge of **£105** must be added to the appropriate shutter price.

Window and Door anti-drop surcharge **£168.**

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£95** must be added to the appropriate shutter price – see page 27.



Type of Operation:

Minimum Width For Shutters:
Non-Override – **660 mm**
Override – **710 mm**
RTS Non-Override – **810 mm**
RTS Override – **850 mm**

Alternative NRG motor available at a deduction of **£31** net

Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.



Overview of SecuroShield 60

Accessories - For applicable accessories and components see pages 20-29 & 44-52

BOTTOM SLAT

AEG/X + REINFORCING ANGLE

BOX LID

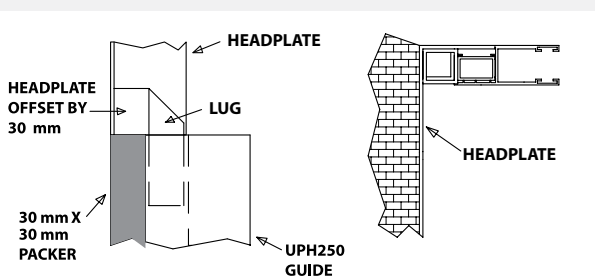
Gap increased by 50 mm

Box lids over 4600 mm
All box lids over 4600 mm wide are reinforced with 30 x 20 mm aluminium angle to reduce deflection of the box lid and modified to allow for deflection of the curtain.

BOX EXTENSION

A box extension is required on built-on SecuroShield 60 shutters when the curtain weight exceeds 172 kg on a 4" axle and 134 kg on a 5" axle. The projection is just 30 mm for face fixed shutters. If the shutter is reveal fixed the gap is made up using a 30 mm packer, as shown in the illustration.

The overall width used when pricing and ordering shutters with box extensions is the overguide width (not including the box extension or 30 mm packer). If you are in any doubt please contact your trade sales Account Manager.



SWITCHES

All electric shutters are supplied with an Inis Uno single pole switch as standard unless another control device is requested. All switches will be supplied with a surface mount box unless a flush mounted box is requested on your purchase order. Switches are supplied "hold to run" for safety.

Inis Uno single control

Surface mount box

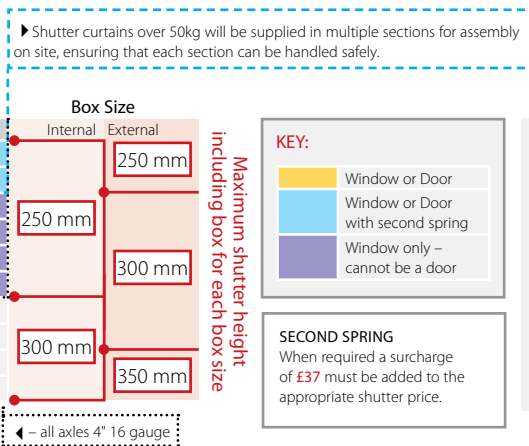
Flush mount box (optional)

Continental Solid Curtain Spring and Lock

Width including guide rails (mm)

	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
1000	443	474	510	543	577	609	649	680	712	754	787	819	858	891	922	954
1200	461	495	533	566	604	638	679	713	748	792	826	859	901	935	969	1003
1400	480	520	555	595	630	666	710	747	793	828	865	908	944	981	1016	1067
1600	497	539	581	620	665	703	751	790	827	872	911	949	986	1040	1079	1115
1800	529	575	620	661	709	750	801	842	883	933	972	1013	1055	1111	1152	1194
2000	548	595	641	685	736	778	832	876	917	969	1012	1055	1112	1156	1199	1241
2200	570	616	664	710	762	807	863	908	953	1006	1051	1096	1156	1200		
2400	589	639	686	741	789	845	893	940	996	1043	1089	1151				
2600	608	661	710	766	815	876	924	981	1030	1080	1143					
2800	663	722	778	840	896	962	1017	1082	1137	1191						

Minimum width for Spring Loaded shutters: 1000 mm.



KEY:

- Window or Door
- Window or Door with second spring
- Window only - cannot be a door

FEATURES & SPECIAL ACCESSORIES

Espagnolette lock (bottom slat lock) as standard on all manual commercial shutters.

Upgrade from an Espagnolette lock to bullet locks is available at **£24.99** (Code: YACCS BULLET U/G)

Plastisol curtain
Code: YACCS PLASTISOL
Per square metre **£46.05**

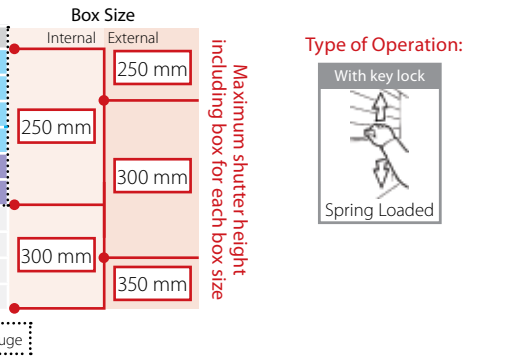
SECOND SPRING
When required a surcharge of **£37** must be added to the appropriate shutter price.

Perforated Curtain Spring and Lock Operation

Width including guide rails (mm)

	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
1000	443	474	510	543	577	609	649	680	712	754	787	819	858	891	922	954
1200	461	495	533	566	604	638	679	713	748	792	826	859	901	935	969	1003
1400	480	520	555	595	630	666	710	747	793	828	865	908	944	981	1016	1067
1600	497	539	581	620	665	703	751	790	827	872	911	949	986	1040	1079	1115
1800	529	575	620	661	709	750	801	842	883	933	972	1013	1055	1111	1152	1194
2000	548	595	641	685	736	778	832	876	917	969	1012	1055	1112	1156	1199	1241
2200	570	616	664	710	762	807	863	908	953	1006	1051	1096	1156	1200		
2400	589	639	686	741	789	845	893	940	996	1043	1089	1151				
2600	608	661	710	766	815	876	924	981	1030	1080	1143					
2800	663	722	778	840	896	962	1017	1082	1137	1191						

Minimum width for Spring Loaded shutters: 1000 mm.



Type of Operation:

With key lock

Spring Loaded

Overview of SeceuroShield 75

COMMON APPLICATIONS

Continental style steel roller shutter with scrolled slat profile. A popular choice for medium security office, retail, commercial and industrial applications. Features a neat continental style head box and aluminium guides for higher grade installations.

CONSTRUCTION

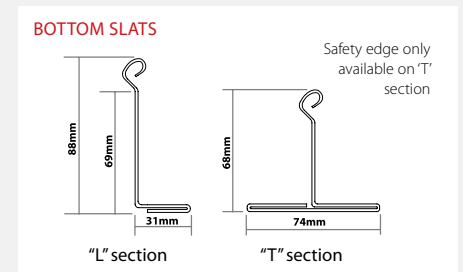
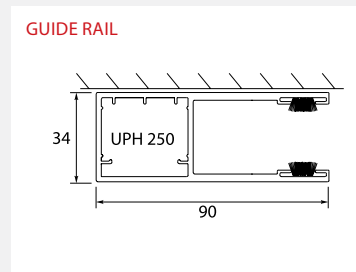
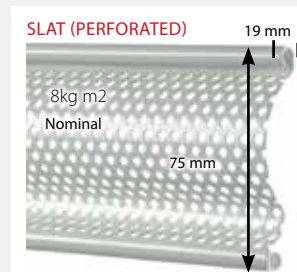
Curtain Slat
SeceuroShield/Vision 75 uses a single skin scrolled steel slat.

Bottom Slat
Galvanised "L" or "T" section bottom slat.

Shutter Box
Galvanised steel end plates powder coated to match the box colour with two piece roll formed aluminium box. Shutters with a 350 mm box will be supplied with a three piece box.

Guide Rails
Extruded aluminium with box section for fixing/reinforcement and high density 4 mm pile brush seals. UPH250 guides supplied as standard.

Accessories - For applicable accessories and components see pages 20-29 & 44-52



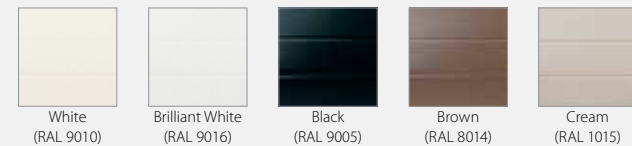
THIS PRODUCT CAN BE POWDER COATED
See page 68

Please note: that this product will be powder coated after it has been assembled.

THIS PRODUCT CAN BE PLASTISOL COATED

Please note: this finish applies to the external face of the curtain slat only.

STOCK COLOURS FOR CURTAIN (SLATS), BOTTOM SLAT, BOX & GUIDES



BOX & GUIDES
Boxes and guides are supplied in White, Brilliant White, Black, Brown, or Cream at no extra charge.

Please note:
Colour references on standard product are a guide only and will not match powder coated finish.

Standard curtain & bottom slat finish: galvanised

Continental Solid Curtain Electric Operation

▶ Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

Height including shutter box (mm)	Width including guide rails (mm)																												Box Size		Maximum shutter height including box for each box size
	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	Internal	External			
1000	845	845	845	845	845	845	845	845	845	845	845	858	887	917	967	996	1026	1055	1085	1114	1144	1173	1254	1284	1313	1343	250 mm	250 mm			
1200	845	845	845	845	845	845	845	845	845	845	867	919	950	981	1013	1044	1076	1109	1190	1223	1254	1285	1317	1348	1379	1456	250 mm	250 mm			
1400	845	845	845	845	845	845	845	845	845	845	858	892	925	958	993	1026	1060	1144	1177	1211	1246	1280	1313	1361	1394	1428	1504	1538	300 mm	300 mm	
1600	845	845	845	845	845	845	845	845	845	845	857	893	928	965	1000	1086	1122	1157	1194	1229	1264	1314	1349	1386	1421	1457	1534	1618	1654	300 mm	300 mm
1800	845	845	845	845	845	845	870	910	949	986	1076	1115	1154	1193	1231	1270	1323	1361	1400	1440	1478	1563	1642	1681	1722	1929	300 mm	300 mm			
2000	845	845	845	845	845	861	901	942	983	1073	1115	1155	1197	1237	1291	1333	1373	1415	1502	1543	1584	1661	1740	1783	1953	1999	300 mm	300 mm			
2200	845	845	845	845	847	890	931	974	1068	1111	1154	1197	1254	1296	1339	1382	1472	1514	1558	1600	1679	1760	1804	1848	2020	2134	300 mm	300 mm			
2400	845	845	845	845	872	917	963	1058	1102	1147	1193	1252	1296	1341	1432	1478	1523	1567	1649	1694	1775	1821	1867	2038	2088	2369	300 mm	300 mm			
2600	845	845	845	853	899	946	1043	1090	1138	1199	1246	1292	1340	1433	1479	1527	1610	1657	1704	1751	1834	1881	1931	2170	2385	350 mm	350 mm				
2800	845	845	873	927	981	1084	1138	1191	1258	1312	1365	1418	1518	1572	1625	1715	1768	1821	1875	1963	2018	2139	2315			350 mm	350 mm				
3000	845	845	896	952	1058	1113	1169	1224	1292	1348	1403	1506	1562	1653	1708	1764	1819	1875	1931	2020	2143					350 mm	350 mm				
3200	845	862	919	977	1084	1142	1199	1270	1328	1386	1489	1547	1641	1699	1755	1813	1870	1927	2084								350 mm	350 mm			
3400	845	882	942	1052	1111	1170	1244	1303	1362	1470	1529	1624	1683	1743	1803	1863	1922	2047									350 mm	350 mm			

KEY:

- Window or Door
- Window or Door with anti-drop brake

MANUAL OVERRIDE
To add the option of manual override a surcharge of £95 must be added to the appropriate shutter price – see page 27.

ANTI-DROP BRAKE
When required a surcharge of £105 must be added to the appropriate shutter price.

Type of Operation:



Perforated Curtain Electric Operation

▶ Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

Height including shutter box (mm)	Width including guide rails (mm)																												Box Size		Maximum shutter height including box for each box size
	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	Internal	External			
1000	845	845	845	845	845	845	845	845	845	845	845	858	887	917	967	996	1026	1055	1085	1114	1144	1173	1254	1284	1313	1343	250 mm	250 mm			
1200	845	845	845	845	845	845	845	845	845	845	867	919	950	981	1013	1044	1076	1109	1190	1223	1254	1285	1317	1348	1379	1456	250 mm	250 mm			
1400	845	845	845	845	845	845	845	845	845	845	858	892	925	958	993	1026	1060	1144	1177	1211	1246	1280	1313	1361	1394	1428	1504	1538	300 mm	300 mm	
1600	845	845	845	845	845	845	845	845	845	845	857	893	928	965	1000	1086	1122	1157	1194	1229	1264	1314	1349	1386	1421	1457	1534	1618	1654	300 mm	300 mm
1800	845	845	845	845	845	845	870	910	949	986	1076	1115	1154	1193	1231	1270	1323	1361	1400	1440	1478	1563	1642	1681	1722	1929	300 mm	300 mm			
2000	845	845	845	845	845	861	901	942	983	1073	1115	1155	1197	1237	1291	1333	1373	1415	1502	1543	1584	1661	1740	1783	1953	1999	300 mm	300 mm			
2200	845	845	845	845	847	890	931	974	1068	1111	1154	1197	1254	1296	1339	1382	1472	1514	1558	1600	1679	1760	1804	1848	2020	2134	300 mm	300 mm			
2400	845	845	845	845	872	917	963	1058	1102	1147	1193	1252	1296	1341	1432	1478	1523	1567	1649	1694	1775	1821	1867	2038	2088	2369	300 mm	300 mm			
2600	845	845	845	853	899	946	1043	1090	1138	1199	1246	1292	1340	1433	1479	1527	1610	1657	1704	1751	1834	1881	1931	2170	2385	350 mm	350 mm				
2800	845	845	873	927	981	1084	1138	1191	1258	1312	1365	1418	1518	1572	1625	1715	1768	1821	1875	1963	2018	2139	2315			350 mm	350 mm				
3000	845	845	896	952	1058	1113	1169	1224	1292	1348	1403	1506	1562	1653	1708	1764	1819	1875	1931	2020	2143					350 mm	350 mm				
3200	845	862	919	977	1084	1142	1199	1270	1328	1386	1489	1547	1641	1699	1755	1813	1870	1927	2084								350 mm	350 mm			
3400	845	882	942	1052	1111	1170	1244	1303	1362	1470	1529	1624	1683	1743	1803	1863	1922	2047									350 mm	350 mm			

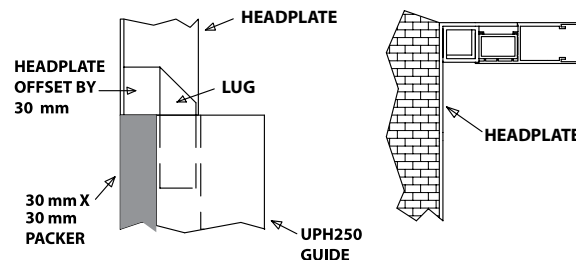


Alternative NRG motor available at a deduction of £31 net

Accessories - For applicable accessories and components see pages 20-29 & 44-52

BOX EXTENSION

A box extension is required on built-on SeceuroShield 75 shutters when the curtain weight exceeds 172 kg on a 4" axle and 134 kg on a 5" axle. The projection is just 30 mm for face fixed shutters. If the shutter is reveal fixed the gap is made up using a 30 mm packer, as shown in the illustration. The overall width used when pricing and ordering shutters with box extensions is the overguide width (not including the box extension or 30 mm packer). If you are in any doubt please contact your trade sales Account Manager.



SECEUROSHIELD 7501 / SECEUROVISION 7501

Upgrade either the SeceuroShield 75 or the SeceuroVision 75 shutter to police and insurance approved specification.

Surcharge if face fitted **£82.80**
Surcharge if reveal fitted **£113.85**

PLEASE REFER TO THE COMMERCIAL SHUTTER TECHNICAL GUIDES FOR FURTHER INFORMATION.

- Must be installed internally
- The shutter box must be above the opening
- Electric operation will require either a bottom slat lock or bullet locks.
- T rail bottom slat only*



Secured by Design



Police Preferred Specification

Width including guide rails (mm)

Height including shutter box (mm)	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
1000	353	390	430	468	507	544	570	609	646	683	684	735	771	807	845	880
1200	396	442	489	543	589	623	655	701	751	795	801	853	904	945	988	1032
1400	431	482	542	593	646	684	727	776	826	877	904	948	998	1045	1093	1142
1600	465	530	588	645	703	751	792	848	911	967	988	1038	1092	1153	1206	1260
1800	508	581	646	710	781	829	877	946	1008	1071	1099	1161	1221	1281	1341	1402
2000	564	638	709	787	858	914	974	1044	1113	1183	1224	1283	1351	1417	1486	1552
2200	599	677	760	837	915	983	1040	1114	1197	1274	1318	1373	1445	1518	1590	1662
2400	634	717	805	888	981	1044	1105	1194	1275	1355	1403	1462	1540	1618	1694	1699
2600	722	821	915	1016	1111	1182	1259	1350	1440	1531	1586	1650	1738	1826	1839	1932
2800	762	867	969	1076	1177	1254	1337	1433	1530	1628	1687	1756	1777	1875	1970	

Maximum shutter height including box for each box size

250 mm

300 mm

▶ Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

Minimum width for Spring Loaded shutters: **665 mm.**

◀ - all axles 70 mm

ANTI-DROP BRAKE
NO SURCHARGE
Please note: There is no surcharge required for an anti-fall back device.

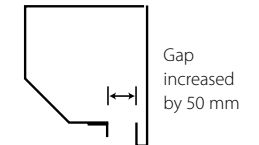
KEY:

	Window
	Door
	Window with second spring
	Door with second spring

Type of Operation:



BOX LID



Box lids over 4600 mm
All box lids over 4600 mm wide are reinforced with 30 x 20 mm aluminium angle to reduce deflection of the box lid and modified to allow for deflection of the curtain.

Overview of SeceuroShield 77

COMMON APPLICATIONS

Ideal for single or double insulated garage doors. High security domestic shutters, medium security office entrance doors and external shopfronts. Wider sizes are designed for internal applications only making them ideal for use as room dividers, etc. Mix with SeceuroVision 800 for partial vision through the shutter if required.

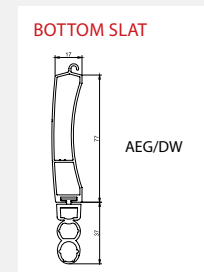
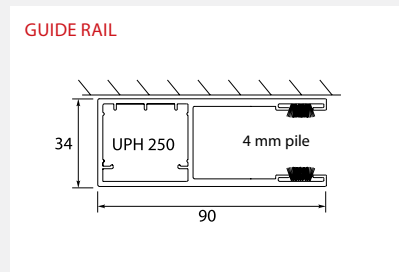
CONSTRUCTION

Curtain Slat
SeceuroShield 77 uses a double walled foam filled aluminium slat.

Bottom Slat
Extruded aluminium with rubber bottom seal.

Shutter Box
Die cast aluminium end plates with two piece roll formed aluminium box. Larger sizes (shutters with a curtain weight of approx. 75kg upwards) will be supplied with zinc plated steel end plates.

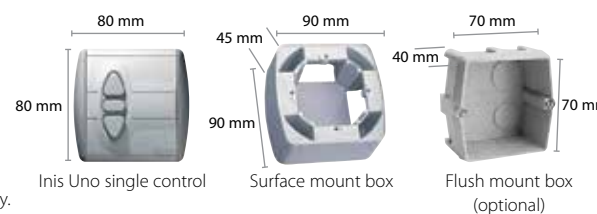
Guide Rails
Extruded aluminium with box section for fixing/reinforcement and high density 4 mm pile brush seals. UPH250 guides supplied as standard.



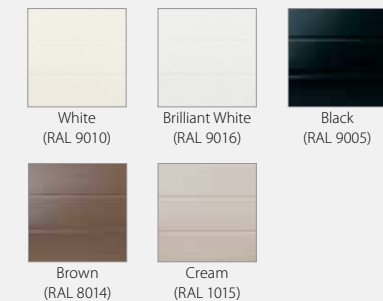
Accessories - For applicable accessories and components see pages 20-29 & 44-52

SWITCHES

All electric shutters are supplied with an Inis Uno single pole switch as standard unless another control device is requested. All switches will be supplied with a surface mount box unless a flush mounted box is requested on your purchase order. Switches are supplied "hold to run" for safety.



BOTTOM SLAT, BOX & GUIDES



Please note:
Colour references on standard product are a guide only and will not match powder coated finish. Darker coloured double doors that are exposed to significant direct sunlight may be susceptible to expansion which may interfere with the operation of the door.

Boxes and guides are supplied in White, Brilliant White, Black, Brown or Cream at no extra charge.

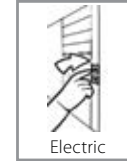
Width including guide rails (mm)

Maximum recommended size for windy areas (see page 62 for further details on wind loading)

Box lids over this width may suffer some deflection

Height including shutter box (mm)	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400
1000	584	609	642	671	707	744	781	829	858	894	930	967	1002	1030	1067	1105	1143	1181	1268	1307	1344	1383	1421
1200	604	642	685	726	765	817	854	907	950	977	1015	1053	1080	1122	1213	1256	1299	1343	1386	1430	1473	1517	1560
1400	628	675	726	771	823	862	922	955	1029	1053	1091	1130	1154	1233	1281	1327	1374	1422	1469	1516	1578	1625	1672
1600	681	736	790	854	911	955	1011	1062	1116	1163	1212	1261	1309	1365	1417	1471	1525	1592	1647	1701	1753	1807	1861
1800	711	771	840	900	946	1004	1062	1119	1174	1223	1277	1330	1380	1436	1508	1566	1623	1681	1739	1798	1877	1935	1993
2000	738	812	877	930	993	1053	1116	1174	1225	1306	1367	1427	1506	1569	1632	1696	1762	1826	1911	1977	2041	2110	2175
2200	771	844	917	973	1040	1107	1170	1223	1283	1388	1456	1524	1628	1694	1765	1836	1929	1999	2076	2146	2216	2287	2358
2400	817	894	959	1029	1095	1170	1238	1296	1353	1473	1543	1613	1715	1790	1890	1964	2046	2122	2197	2273	2348	2424	2498
2600	877	926	1006	1077	1167	1250	1333	1414	1514	1597	1678	1768	1850	1955	2039	2126	2208	2290	2374	2456	2539	2717	2800
2800	907	977	1051	1128	1225	1313	1401	1495	1596	1684	1772	1890	1978	2072	2161	2248	2336	2425	2513	2697	2785	2874	2962
3000	936	1029	1095	1176	1276	1368	1466	1571	1664	1756	1879	1972	2072	2165	2258	2350	2445	2538	2726	2819	2914		
3200	996	1060	1143	1225	1324	1427	1538	1635	1734	1861	1958	2061	2160	2258	2357	2454	2646	2747	2844	2943	3040		
3400	1040	1112	1238	1338	1447	1570	1679	1775	1911	1948	2056	2161	2264	2368	2472	2671	2776	2879	2983				
3600	1046	1164	1334	1452	1577	1710	1830	1949	2099	2224	2344	2462	2581	2701	2927	3046	3165	3284					
3800	1090	1265	1390	1516	1660	1784	1910	2067	2192	2323	2449	2574	2699	2931	3056	3183	3307						
4000	1132	1354	1443	1573	1737	1856	1987	2184	2279	2404	2536	2666	2902	3034	3163	3295							

Type of Operation:



Minimum Width For Shutters Non-Override
660 mm
Override
710 mm

KEY:

Yellow	Window or Door
Light Blue	Window or Door with motor and spring
Dark Blue	Window only – cannot be a door

ANTI-DROP BRAKE NO SURCHARGE

Please note: There is no surcharge required for an anti-fall back device.

MANUAL OVERRIDE

To add the option of manual override a surcharge of **£95** must be added to the appropriate shutter price – see page 27.

Maximum shutter height including box for each box size

250 mm

300 mm

350 mm

Minimum Width For Shutters:
Non-Override – **660 mm**
Override – **710 mm**
RTS Non-Override – **810 mm**
RTS Override – **850 mm**

Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

All fluted axes 100 mm

Alternative NRG motor available at a deduction of **£31 net**

Overview of SeceuroShield 77

STOCK COLOURS



Standard box and guide colours are White, Brilliant White, Cream, Brown & Black. With the exception of Cedar Woodgrain, alternative matching colours are available for a surcharge, see page 68.

Please note: References quoted are the nearest standard RAL or BS references to the colours used. They will not be an exact match and are intended as a guide only. Darker coloured double doors that are exposed to significant direct sunlight may be susceptible to expansion which may interfere with the operation of the door.

Accessories - For applicable accessories and components see pages 20-29 & 44-52

VISION SLATS - SECEUROVISION 800

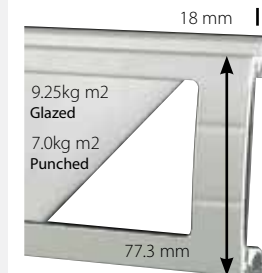
Vision can be added by including SeceuroVision 800 slats in the shutter curtain. SeceuroVision 800 uses a single skin extruded and punched aluminium slat which is also available with polycarbonate glazing strips (pictured right). Polycarbonate strips can be clear or frosted.

Punched Slat 7.0kg m2
Punched & Glazed 9.25kg m2
58.5% Vision

Price per linear metre punched **£9.15**
Price per linear metre punched & glazed **£11.50**

Please note: There are 13 slats per metre of shutter height.

OPTIONAL SECEUROVISION 800 SLAT



Spring & Lock Operation Partially or Fully Punched (No Glazing)

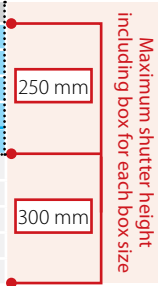
KEY:

- Window or Door
- Window or Door with second spring
- Window only – cannot be a door

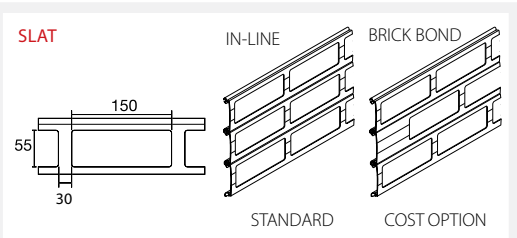
Width including guide rails (mm)

	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
1000	393	419	464	507	559	604	647	691	735	785	828	895	940	1064	1111	1159
1200	442	475	533	586	638	717	741	798	850	901	970	1035	1089	1213	1268	1323
1400	462	526	584	641	700	761	820	877	948	1007	1065	1137	1325	1335	1396	1457
1600	509	582	647	712	783	849	914	994	1060	1126	1191	1279	1439	1485	1554	1622
1800	554	624	697	771	845	929	1001	1072	1144	1223	1294	1381	1597	1673	1694	2020
2000	677	760	848	929	1028	1110	1193	1276	1366	1453	1535	1626	1828	1866	1951	
2200	723	814	908	998	1104	1194	1284	1382	1478	1570	1660	1756	1939	2012		
2400	758	858	954	1066	1162	1259	1363	1465	1560	1657	1753	1856				
2600	802	911	1030	1134	1237	1350	1459	1564	1667	1772	1882	1987				
2800	850	962	1089	1200	1318	1436	1548	1659	1772	1889						

Height including shutter box (mm)



SECOND SPRING
When required a surcharge of £37 must be added to the appropriate shutter price.



Type of Operation:



Shutters are supplied with in-line pattern as standard. Brick bond is available at a surcharge of £1.14 per linear metre x number of slats. Shutters with a brick bond pattern require more time to manufacture – please check availability before ordering.

Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

Minimum width for Spring Loaded shutters:
Less than or equal to 2100 mm in height = 665 mm.
Greater than 2100 mm in height = 875 mm.

SOLID PROFILE
Solid profile slat is available as a no cost option.

Glazing Surcharge

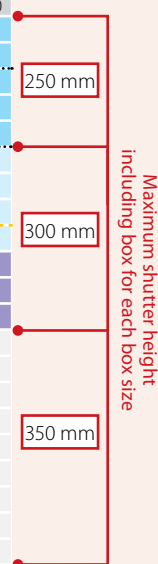
SURCHARGE
Prices shown are a surcharge which must be added to the appropriate shutter price.



Width including guide rails (mm)

	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000
1000	38	45	53	60	66	76	83	90	96	105	112	120	127	135	143	149	156	166	173	180	186	195	202	209	216	225
1200	48	56	65	76	84	93	104	112	121	130	142	149	158	170	177	186	197	206	214	225	235	242	253	263	271	280
1400	61	73	85	96	110	121	134	146	157	171	182	195	207	218	231	242	255	267	279	292	303	316	328	341	353	364
1600	70	84	97	112	126	142	154	170	182	197	210	225	238	253	266	280	295	308	323	335	351	364	379	392	407	421
1800	84	100	118	135	152	170	184	202	218	236	253	269	287	302	319	335	354	371	387	405	421	437	454	471	489	504
2000	93	112	130	149	170	186	206	225	242	263	280	299	318	335	356	374	392	411	431	449	467	486	504	524	543	561
2200	104	123	145	166	184	206	226	246	267	288	308	329	349	371	391	411	433	452	473	494	515	533	555	576	595	617
2400	117	142	164	186	210	235	258	280	303	328	351	374	397	421	445	467	491	515	538	561	584	609	632	654	677	702
2600	130	156	183	209	236	263	288	315	341	367	392	419	446	471	498	524	551	576	603	628	654	681	707	734	760	787
2800	142	170	197	225	253	280	308	335	364	392	421	449	477	504	532	561	589	617	645	673	702	730	758	787	815	842
3000	154	184	215	246	278	308	341	371	401	433	463	494	525	555	586	617	648	678	709	740	770	802	832	862	895	925
3200	164	197	229	263	295	328	359	392	425	459	491	524	556	589	621	654	686	721	753	787	819	851	884	916	949	982
3400	173	208	241	276	312	346	380	415	449	485	519	554	588	622	656	692	727	762	795	830	865	899	935	969	1004	
3600	186	225	263	299	335	374	411	449	486	524	561	598	637	673	710	748	787	823	859	897	936	973	1011			
3800	197	236	264	315	354	392	433	471	510	551	589	628	669	707	744	787	821	862	904	942	982	1021				
4000	210	253	295	335	379	421	463	504	546	589	632	673	714	758	799	842	884	925	968	1011	1052					
4200	220	264	306	353	396	439	484	527	570	616	660	703	747	791	835	880	923	967	1011	1055						
4400	235	280	328	374	421	467	515	561	609	654	702	748	795	842	888	936	982	1029								
4600	242	292	341	388	437	486	533	583	633	681	730	778	827	876	924	973	1021									
4800	258	308	359	411	463	515	565	617	670	721	770	823	875	925	977	1029										
5000	266	319	373	426	479	532	586	640	694	744	799	853	907	959	1013	1066										

Height including shutter box (mm)



Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

70 mm axle 100 mm collars
4" 16 gauge axle

30 mm Box Extension.
For further details see page 64.

4" 10 gauge axle

5" axle

KEY:

- Window or Door
- Window or Door with anti-drop brake
- Window only – cannot be a door

Width including guide rails (mm)

Maximum recommended size for windy areas (see page 62 for further details on wind loading)

Height including shutter box (mm)	1000	1200	1400	1600	1800	2000	2200	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	
1000	586	613	657	705	750	795	840	887	932	977	1024	1070	1114	1160	1206	1252	1446	1494	1541	1588	1634	1682	1728	1776	1823	1870
1200	634	670	722	776	829	883	937	989	1043	1096	1150	1203	1304	1356	1410	1407	1620	1675	1731	1784	1839	1895	1950	2003	2059	2113
1400	653	771	771	831	889	949	1008	1067	1128	1187	1292	1352	1410	1470	1529	1589	1750	1811	1871	1932	1992	2053	2115	2175	2236	2298
1600	702	835	835	904	970	1036	1104	1171	1284	1351	1417	1486	1552	1619	1702	1768	2064	2136	2211	2283	2355	2426	2498	2571	2642	2815
1800	739	812	885	956	1030	1103	1175	1295	1368	1441	1514	1587	1675	1747	1820	1894	2193	2271	2349	2427	2506	2582	2759	2839	2916	2994
2000	857	943	1027	1110	1195	1279	1410	1494	1579	1662	1746	1844	1928	2014	2183	2270	2354	2441	2524	2711	2796	2881	2966	3051	3138	3223
2200	904	996	1086	1179	1271	1410	1502	1593	1686	1793	1885	1977	2069	2183	2338	2431	2524	2717	2811	2904	2997	3092	3184	3277	3487	3580
2400	938	1036	1134	1231	1376	1474	1572	1669	1781	1879	1979	2075	2195	2294	2455	2653	2751	2849	2950	3050	3148	3248	3461	3561	3662	3761
2600	983	1089	1194	1348	1452	1559	1663	1782	1890	1994	2101	2228	2335	2446	2708	2815	2921	3029	3135	3244	3465	3573	3680	3787	3895	4002
2800	1027	1138	1252	1412	1526	1638	1765	1879	1992	2105	2241	2361	2474	2585	2856	2969	3084	3197	3429	3543	3657	3773	3887	4002	4390	4513
3000	1078	1199	1366	1486	1604	1731	1864	1985	2110	2254	2380	2500	2622	2896	3019	3139	3262	3499	3620	3743	3865	3986	4357	4487	4887	5026
3200	1122	1249	1424	1550	1684	1825	1953	2079	2237	2369	2498	2627	2753	3037	3165	3410	3541	3669	3798	3928	4097	4407	4828	4971	5256	5398
3400	1166	1348	1482	1617	1772	1905	2042	2204	2339	2482	2618	2752	2888	3177	3429	3567	3703	3839	3976	4152	4326	4828	5111	5260	5413	
3600	1203	1391	1532	1678	1835	1975	2143	2286	2434	2574	2717	2859	3097	3411	3553	3697	3840	3983	4191	4377	4530	5171	5329			
3800	1248	1442	1591	1758	1906	2056	2232	2389	2537	2686	2835	3081	3231	3551	3702	3853	4021	4176	4407	4570	5066	5384				
4000	1287	1487	1647	1815	1970	2154	2307	2470	2624	2779	3033	3188	3514	3670	3827	4028	4203	4371	4535	5036	5354					
4200	1378	1541	1709	1885	2047	2238	2406	2570	2732	2896	3157	3489	3653	3818	3983	4203	4377	4550	5056							
4400	1422	1592	1781	1952	2148	2319	2495	2666	2836	3105	3275	3614	3787	3958	4138	4317	4490	5007								
4600	1472	1646	1834	2008	2214	2403	2578	2753	2926	3177	3349	3620	3842	4014	4190	4533	4807									
4800	1522	1699	1886	2062	2279	2485	2662	2839	3017	3248	3425	3626	3897	4070	4241	4750										
5000	1572	1754	1952	2172	2360	2576	2757	2939	3186	3368	3549	3855	4038	4219	4734	4915										

KEY:

- Window or Door
- Window or Door with anti-drop brake

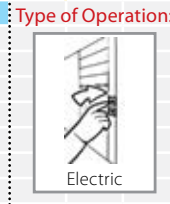
SOLID PROFILE
Solid profile slat is available as a no cost option.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£95** must be added to the appropriate shutter price – see page 27.

Please note:
Anti-drop brake – requirement areas and axle lines shown on this table only apply to punched slat. If mixed or solid see glazing table.

Box extension – For further details, please refer to SeceuroShield 600. If the shutter you require will contain a quantity of solid slat you must check the punched and glazed table for an indication of box extension requirement.

Alternative NRG motor available at a deduction of **£31** net



Minimum Width For Shutters:
Non-Override – **660 mm**
Override – **710 mm**
RTS Non-Override – **810 mm**
RTS Override – **850 mm**

Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

70 mm axle 100 mm collars
4"16 gauge

4"10 gauge
5" gauge

30 mm Box Extension – Please refer to the table to see when a box extension is required and see page 64 for more details.

Overview of SeceuroShield 800

COMMON APPLICATIONS

Designed to provide the see-through protection demanded by many local authorities for high streets and modern shopping centres. Suitable for internal or selected external applications the combination of solid and punched slats achieve optimum strength while delivering up to 58.5% vision. Optional 1.5 mm polycarbonate inserts further enhance security on external installations. Alternative uses include bar/kiosk and commercial applications where permanent vision is required.

CONSTRUCTION

Curtain Slat
SeceuroVision 800 uses a single walled extruded and punched aluminium slat. Solid slats are always used within the shutter box, part of a solid slat may be visible on a completely punched curtain.

Shutter Box
Die cast aluminium end plates with two piece roll formed aluminium box. Larger sizes (shutters with a curtain weight of approx. 75kg upwards) will be supplied with zinc plated steel end plates.

Guide Rails
Extruded aluminium with box section for fixing/reinforcement and high density 4 mm pile brush seals. UPH250 guides supplied as standard.

Bottom Slat
Extruded aluminium with rubber bottom seal.



Accessories - For applicable accessories and components see pages 20-29 & 44-52

SLAT

GUIDE RAIL

BOX LID

Box lids over 4600 mm
All box lids over 4600 mm wide are reinforced with 30 x 20 mm aluminium angle to reduce deflection of the box lid and modified to allow for deflection of the curtain.

BOTTOM SLAT

SWITCHES

All electric shutters are supplied with an Inis Uno single pole switch as standard unless another control device is requested. All switches will be supplied with a surface mount box unless a flush mounted box is requested on your purchase order. Switches are supplied "hold to run" for safety.

Inis Uno single control

Surface mount box

Flush mount box (optional)

To comply with current health and safety legislation, electrically operated shutter(s) must be monitored throughout operation. If this is not possible a safety device must be fitted. Due to the risk of entrapment in an open shutter or grille, control should only be by a momentary key switch. Remote or automatic control of any form requires a dedicated risk assessment and appropriate safety features eg. photo cells at the top and bottom of the shutter on the risk side(s).

STOCK COLOURS FOR CURTAIN (SLATS), BOTTOM SLAT, BOX & GUIDES

White (RAL 9010)

Brilliant White (RAL 9016)

Black (RAL 9005)

Brown (RAL 8014)

Cream (RAL 1015)

Please note:
Colour references on standard product are a guide only and will not match powder coated finish.

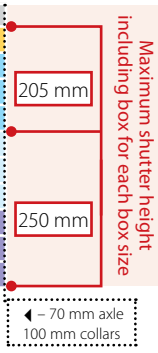
Please note:
SeceuroVision 800 shutters with polycarbonate over 3600 mm in width are fitted with two vertical strips of spacers. These run the full length of the curtain to cushion the slats as they coil up and are visible from the concave side of the shutter.



Spring & Lock Operation 150 mm Spacing

Width including guide rails (mm)

Height including shutter box (mm)	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
1000	361	401	440	480	521	557	594	637	678	720	761	862	880	895	938	984
1200	406	454	500	556	604	640	673	718	769	816	822	875	925	970	1014	1081
1400	441	495	556	610	663	702	744	796	848	898	925	973	1022	1072	1121	1171
1600	477	544	603	662	721	769	812	869	933	990	1013	1064	1120	1182	1237	1292
1800	522	595	662	729	799	850	898	970	1034	1098	1126	1190	1252	1313	1376	1438
2000	580	652	728	806	881	937	999	1070	1142	1213	1254	1315	1395	1453	1522	1591
2200	614	694	778	858	939	1007	1065	1143	1229	1306	1351	1408	1482	1556	1630	1705
2400	649	735	825	912	1005	1070	1133	1224	1307	1388	1439	1499	1579	1658	1738	1743
2600	740	842	938	1042	1138	1212	1291	1383	1476	1569	1626	1731	1782	1871	1886	1982
2800	782	889	993	1104	1207	1285	1370	1470	1569	1669	1728	1802	1822	1924	2019	2116



SECOND SPRING
When required a surcharge of £37 must be added to the appropriate shutter price.

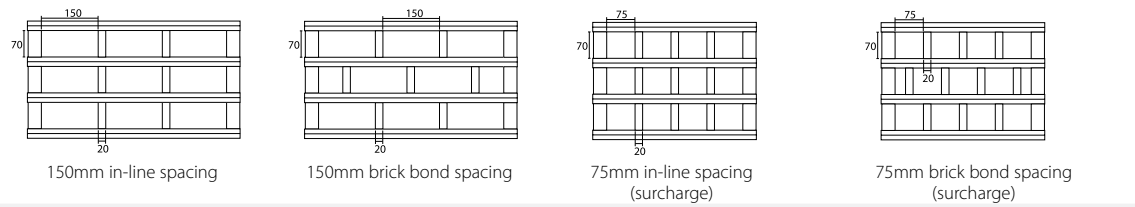
Type of Operation:



KEY:

- Window or Door
- Window or Door with second spring
- Window only - cannot be a door

SLAT CONFIGURATION OPTIONS



BOX LID

All box lids are cut-back and reinforced with 30 x 20 mm aluminium angle to reduce deflection of the box lid and to allow for deflection of the curtain.

Gap increased by 50 mm



75 mm Spacing Surcharge (Spring & Lock or Electric Operation)

Width including guide rails (mm)

Maximum height for spring and lock shutters	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000
1000	33	39	48	54	60	66	73	81	87	93	99	108	114	120	126	134	142	148	154	161	168
1200	39	49	57	64	71	81	89	96	105	113	120	128	137	145	152	161	170	177	184	193	202
1400	48	57	65	75	85	93	104	113	122	130	142	150	158	170	178	187	197	207	215	225	235
1600	54	64	75	86	96	108	118	128	140	150	161	172	182	193	204	214	225	236	246	257	268
1800	60	71	85	96	110	120	132	145	156	170	181	193	205	216	229	241	254	266	276	289	301
2000	66	81	93	108	120	134	148	161	175	187	202	214	228	241	255	268	282	295	308	322	334
2200	73	89	104	118	132	148	162	177	191	207	221	236	250	266	280	295	309	325	339	354	368
2400	81	96	113	128	145	161	177	193	209	225	241	257	273	289	305	322	338	354	371	386	402
2600	87	105	122	140	156	175	191	209	227	243	262	279	296	314	331	348	366	384	401	418	436
2800	93	113	130	150	170	187	207	225	243	263	282	300	319	338	356	375	393	412	432		
3000	99	120	142	161	181	202	221	241	262	282	301	322	342	361	381	402	422				
3200	108	128	150	172	193	214	236	257	279	300	322	343	364	386	407	430					
3400	114	137	158	182	205	228	250	273	296	319	342	364	387	410	433						
3600	120	145	170	193	216	241	266	289	314	338	361	386	410	434							
3800	126	152	178	204	229	255	280	305	331	356	381	407	433								
4000	133	161	187	197	241	268	295	322	348	375	402	430									



SPACING SURCHARGE
Prices shown are a surcharge which must be added to the appropriate shutter price.

KEY:

- Window or Door
- Window or Door with second spring if spring & lock, or anti-drop brake if electric operation)
- Window only - cannot be a door



Width including guide rails (mm)

	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000
1000	598	623	657	689	726	764	800	851	881	917	954	990	1028	1055	1094	1133	1172	1211	1357	1409	1456
1200	619	657	704	742	785	837	877	928	974	1002	1041	1080	1107	1150	1245	1289	1334	1378	1460	1509	1560
1400	644	693	742	791	845	885	945	978	1055	1080	1119	1158	1183	1264	1313	1361	1410	1458	1599	1654	1714
1600	700	755	809	877	933	978	1036	1089	1144	1192	1243	1293	1341	1399	1453	1508	1579	1633	1688	1743	1798
1800	730	791	861	924	970	1030	1089	1146	1204	1254	1309	1365	1414	1472	1546	1605	1777	1846	1912	1994	2059
2000	757	831	898	954	1018	1080	1144	1204	1256	1339	1401	1463	1546	1608	1674	1740	1879	1950	2027	2098	2167
2200	791	864	940	998	1066	1135	1199	1254	1317	1424	1492	1561	1669	1738	1809	1881	1978	2049	2129	2200	2314
2400	837	917	984	1055	1123	1199	1269	1329	1386	1511	1583	1654	1757	1836	1936	2014	2098	2175	2253	2330	2529
2600	898	949	1032	1105	1197	1281	1366	1450	1552	1636	1720	1812	1897	2006	2089	2179	2264	2348	2458	2655	2744
2800	928	1002	1077	1155	1256	1347	1437	1532	1635	1725	1815	1936	2027	2124	2215	2305	2396	2575	2664		
3000	958	1055	1123	1206	1308	1402	1502	1611	1707	1802	1927	2022	2124	2220	2315	2411	2605				
3200	1021	1086	1172	1256	1357	1462	1577	1677	1777	1906	2008	2113	2214	2315	2443	2591					
3400	1066	1140	1269	1372	1485	1610	1722	1820	1960	1995	2108	2215	2322	2536	2768						
3600	1072	1194	1368	1489	1616	1753	1875	1998	2152	2281	2403	2524	2536	2545							
3800	1118	1296	1426	1554	1703	1831	1958	2118	2247	2382	2511	2639	2768								
4000	1160	1387	1480	1614	1781	1902	2038	2240	2337	2465	2600	2709									

Type of Operation:



KEY:

	Window or Door
	Window or Door with anti-drop brake

ANTI-DROP BRAKE
When required (as shown above) a surcharge of **£105** must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£95** must be added to the appropriate shutter price – see page 27.



Minimum Width For Shutters:
Non-Override – 660 mm
Override – 710 mm
RTS Non-Override – 810 mm
RTS Override – 850 mm



Alternative NRG motor available at a deduction of **£31** net

Overview of SeceuroShield 900

COMMON APPLICATIONS

Internal use only on shopfronts. Very tight coiling makes SeceuroVision 900 particularly suitable for bar/kiosk and commercial applications where permanent vision is required.

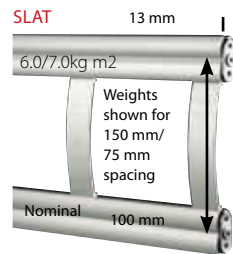
CONSTRUCTION

Curtain
SeceuroVision 900 is constructed from a combination of extruded aluminium links and hinge section. Link spacing is 150 mm in line as standard, however a brick bond pattern (no surcharge), 75 mm spacing (surcharge) and solid slat profile (surcharge) are also available.

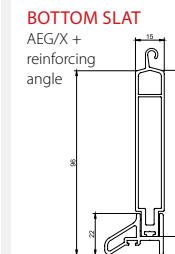
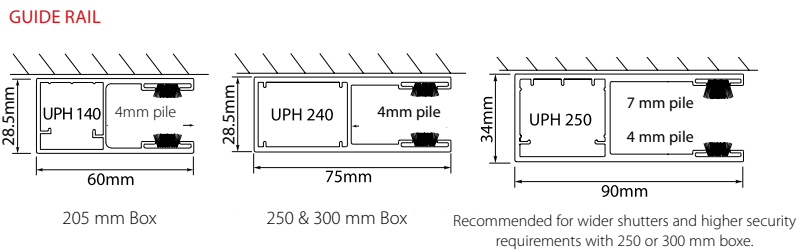
Bottom Slat
Extruded aluminium with reinforcing angle and no seal.

Shutter Box
Die cast aluminium end plates with two piece roll formed aluminium box. Larger sizes (shutters with a curtain weight of approx. 75 kg upwards) will be supplied with zinc plated steel end plates.

Guide Rails
Extruded aluminium with box section for fixing / reinforcement and high density 4 mm or 7 mm pile brush seals. UPH140 guides supplied with 205mm box, UPH240 guides supplied with 250 and 300 mm box. UPH250 recommended on wider shutters and for shutters requiring higher security with 250 or 300 mm box.



Accessories - For applicable accessories and components see pages 20-29 & 44-52



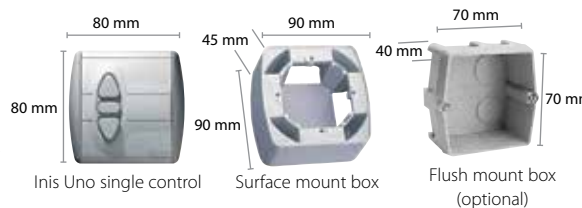
STOCK COLOURS FOR CURTAINS AND BOTTOM SLATS

BOX & GUIDES

	Silver Anodised
	Brown (RAL 8014)
	White (RAL 9010)
	Black (RAL 9005)
	Brilliant White (RAL 9016)
	Cream (RAL 1015)

SWITCHES

All electric shutters are supplied with an Inis Uno single pole switch as standard unless another control device is requested. All switches will be supplied with a surface mount box unless a flush mounted box is requested on your purchase order. Switches are supplied "hold to run" for safety.



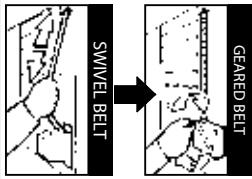
To comply with current health and safety legislation, electrically operated shutter(s) must be monitored throughout operation. If this is not possible a safety device must be fitted. Due to the risk of entrapment in an open shutter or grille, control should only be by a momentary key switch. Remote or automatic control of any form requires a dedicated risk assessment and appropriate safety features eg. photo cells at the top and bottom of the shutter on the risk side(s).

Please note:
Colour references on standard product are a guide only and will not match powder coated finish.

Where curtain is powder coated it will be done so when assembled.

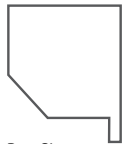
Surcharge
Surcharge per solid slat **£8.60** per linear metre.

General Shutter Accessories



Geared Belt Winder Upgrade
An optional extra where the standard operation is by swivel belt winder only. Includes the required winding handle

Code: YACCS G.BELT
Each **£31.62**



Larger Box Size
Optional when a shutter box needs to be increased for aesthetic reasons.

Code: YACCS BOX
Each **£18.96**

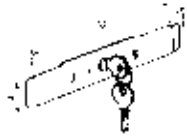


30 mm x 20 mm x 3 mm Aluminium Angle
Utilised as either cill angle or a closure angle. Stock colours: white, brown and mill finish. Stocked in 6 m lengths.

Mill finish YBS300E0
Per metre **£8.09**

White YBS300E1
Per metre **£8.09**

Mid Brown YBS300E2
Per metre **£8.09**



Key Lock In Bottom Slat
Included in the price of all spring and lock shutters. Available as keyed different (maximum of 50 different locks) or as keyed alike. Supplied with 2 keys as standard, additional blank keys can be ordered (see components page 46 for details). This price is for the lock fitted in a bottom slat and includes a lock cover plate (for the barrel side of the lock) and locking bars required.

Code: YACCS KEYLOCK
Each **£49.77**

Lock Cover
Code: YBS021L0
Each **£8.91**



75 mm x 25 mm x 3 mm Aluminium Angle
Utilised as a larger alternative to 30 mm x 20 mm. Stock colours: white, brown and mill finish. Stocked in 6 m lengths.

Mill finish YBS700E0
Per metre **£13.02**

White YBS700E1
Per metre **£13.02**

Mid Brown YBS700E2
Per metre **£13.02**



Shoot Bolts In Bottom Slat
Also available in place of a bottom slat key lock for bars and serveries, etc.

Code: YACCS S.BOLT
Each **£49.77**

Packing End Caps

50 x 20 mm End Caps (Black)
YBS519E0 **£0.91** each

50 x 50 mm End Caps (Black)
YBS519E5 **£0.91** each

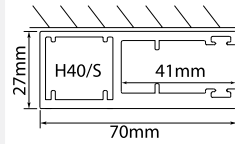


50 mm x 20 mm x 3 mm Aluminium Packing Box Section
Used to pack shutters off the wall by 20 mm. Stock colours: white, brown and mill finish. Stocked in 6.5 m lengths.

Mill finish YBS520E0
Per metre **£15.03**

White YBS520E1
Per metre **£15.03**

Mid Brown YBS520E2
Per metre **£15.03**



H40/S Guide Surchage
Where additional security is required (available for SeceuroShield 150 and SeceuroShield 38 only). Wind end locks will be fitted to the curtain as standard when this option is selected. See page 49 for specifications.

Code: YACCS H40/S
Each Pair **£56.89**

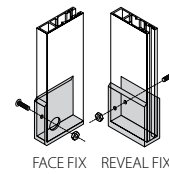


50 mm x 50 mm x 3 mm Aluminium Packing Box Section
Used to pack shutters off the wall by 50 mm. Stock colours: white, brown and mill finish. Stocked in 6.5 m lengths.

Mill finish YBS550E0
Per metre **£18.83**

White YBS550E1
Per metre **£18.83**

Mid Brown YBS550E2
Per metre **£18.83**



Steel Reinforcement Plates

For use with H40/S guide rails only. Supplied as standard with SeceuroShield 3801. Available as an optional extra with SeceuroShield 38 at a surcharge. Available to suit either face fitted or reveal fitted guide rails. State clearly your requirement.

Code Reveal fit: YGU00101
Each Pair **£40.36**

Code Face fit: YGU00102
Each Pair **£40.36**



U30 "U" Channel

Normally used as a catch rail at the bottom of SeceuroShield 150 and SeceuroShield 38 instead of cill angle. The bottom slat must have a rubber seal fitted.

Code: YACCS U30
Per metre **£13.09**



50 mm x 50 mm x 3 mm Electroplate Galvanised Steel Angle.

Available in white, brown or galvanised.

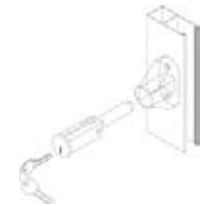
Code: YCS403S0
Per metre **£16.71**



75 mm x 50 mm x 3 mm Electroplate Galvanised Steel Angle.

Available in white, brown or galvanised.

Code: YCS402S0
Per metre **£19.23**



Guide Rail Bullet Locks

Where additional security is required. Suitable for H40/S, UPH 240 & UPH 250 guide rails only. The default height for the centre of the bullet lock pin is approximately 195 mm from the base of the guide. This height puts the pin in the centre of a CD38 slat. The position is adjusted for the other slat profiles to ensure the pin is in the centre of a slat. If you require the bullet lock in a different position you must specify this on your order. Bullet locks on foam filled curtains should be in the bottom slat or an extruded slat placed in the curtain at appropriate height. The bullet locks are self tapped from the rear of the guide. Available as keyed alike or as keyed different. 2 keys supplied per bullet lock. Additional keys are not available.

Code: YACCS BULLET
Each Pair **£80.58**

Upgrade from bottom slat lock to a pair of bullet locks
Code: YACCS BULLET U/G
Each Pair **£24.99**

Surcharge for powder coating angles and packing box section applies see page 68.

Bespoke Box Sections and Angles

3 mm Thick Manufactured Box Sections

Stock Code	Total in mm of 4 sides combined	Bespoke Sizes	Galvanised	Aluminium
BX100M3	100	25 x 25 or similar	£25.88	£33.84
BX150M3	150	37.5 x 37.5 or similar	£34.10	£46.21
BX200M3	200	50 x 50 or similar	£43.37	£58.58
BX250M3	250	67.5 x 67.5 or similar	£45.85	£63.39
BX300M3	300	75 x 75 or similar	£48.33	£66.60
BX400M3	400	100 x 100 or similar	£53.41	£75.87
BX500M3	500	125 x 125 or similar	£66.76	N/A
BX600M3	600	150 x 150 or similar	£80.11	N/A

3 mm Thick Manufactured Box Sections

Stock Code	Standard Sizes Box Sections	Galvanised	Aluminium
BX025S3	25 x 25	£12.94	£24.22
BX030S3	30 x 30	£15.63	£29.65
BX040S3	40 x 40	£18.32	£35.29
BX075S3	75 x 75	£31.83	£70.85
BX100S3	100 x 100	£37.98	£91.39
BX525S3	50 x 25	£17.18	£38.09
BX575S3	50 x 75	£26.86	£58.58
BX150S3	50 x 100	£44.19	£63.14

3 mm Manufactured Angles

Stock Code	Total in mm of 2 sides combined	Developed Sizes i.e Flat	Galvanised	Aluminium
BX050A3	50	25 x 25 or similar	£18.16	£22.87
BX100A3	100	50 x 50 or similar	£26.75	£32.50
BX150A3	150	75 x 75 or similar	£32.50	£39.85
BX200A3	200	100 x 100 or similar	£38.76	£45.33
BX250A3	250	125 x 125 or similar	£45.85	£53.72
BX300A3	300	150 x 150 or similar	£53.04	£60.55

3 mm Strips/Plates per mtr

Stock Code	Developed Sizes i.e Flat	Galvanised	Aluminium
BX050P3	upto 50 mm wide	£9.99	£16.72
BX100P3	upto 100 mm wide	£19.98	£26.70
BX150P3	upto 150 mm wide	£24.63	£31.36
BX200P3	upto 200 mm wide	£29.24	£35.97
BX300P3	upto 300 mm wide	£33.12	£39.90

5 mm Manufactured Angles

Stock Code	Developed Sizes i.e Flat	Galvanised	Aluminium
BX100A5	100mmx 100mm	£94.19	N/A
BX165A5	165mm x 100mm	£111.78	N/A
BX075A5	100mm x 75mm	£94.19	N/A

Removable Guide Rails and Sloping Bottom Slats

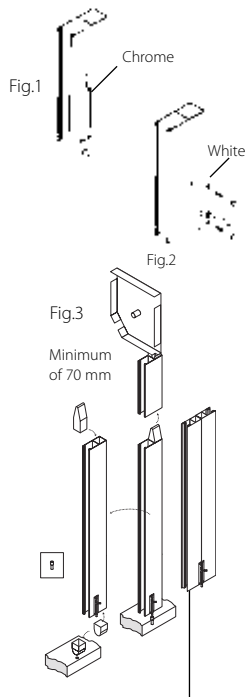
Removable Guide Rails

Removable Centre Rails

Appropriate on bar and servery applications with 2+ shutters where the opening needs to be clear. The top of each removable guide rail locates into a matching 70 mm length which is permanently fixed to its end plate during manufacture (Fig.3). The bottom of each rail is secured using a chrome bolt which is supplied loose along with a recessed 40 mm socket and dust cap (fig.1) or by using a white or brown lockable bolt (fig.2). One bolt per pair of removable guide rails. Shutters with removable guide rails and a curtain weight of 40 kg or more will be supplied with steel end plates.

Code: YACCS REMRAILS
Each Pair **£74.07**

Removable guide rails complete with lockable shoot bolt (keyed alike) available in white or brown
Code: YACCS REMLOCK
Each Pair **£123.77**



Please note: when a pair of removable centre rails are required they will be fastened together by SWS during manufacture and supplied with one loose bolt to be attached on site.

IMPORTANT INFORMATION REGARDING SURVEYING, ORDERING AND INSTALLING.

Must be ordered using the order form.

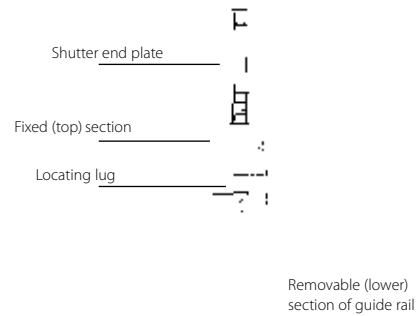
No orders will be accepted for removable guide rails unless they are ordered using the SWS UK removable guide rail order form. This will ensure you receive the products as required.

SeceuroVision shutters.

Shutters from the SeceuroVision range should be ordered with the locking bolt option in order to maintain security. This will be included by SWS UK automatically with the surcharge unless your order requests otherwise.

How will they be supplied?

Removable (lower) section of the guide rail will be supplied with the locating lug, skid and bolt attached to the guide. The fixed (top) section of guide rail will be supplied loose with the fixings required to attach it to the end plate. When attaching this section of guide rail ensure that the chamfered end of the guide rail is at the bottom. The dust caps (bar top recess) will be supplied with the top section of guide rail. Removable guide rails which meet at either 90° or 180° will be fastened together by SWS. Both guide rails will be supplied with skids but only one locating lug and only one shoot bolt per pair of guide rails.



LOWERING THE THE CURTAINS OPEN POSITION FOR SPRING LOADED SHUTTERS

Guide Rail Stops

Optional 'L' brackets can be attached to the guide rails which will catch the bottom slat stops when the shutter is opening.

Code: YBOTTOMSLATKIT
Price: **£23.34**

Please note this optional extra is not available for H40/S guide rails.

Sloping Bottom Slats

IMPORTANT INFORMATION REGARDING SURVEYING AND ORDERING

Must be ordered using the order form

No orders will be accepted for sloping bottom slats unless they are ordered using the SWS UK sloping bottom slat order form. This will ensure you receive the product you require.

No bottom slat locks

Unfortunately it is not possible for us to supply a sloping bottom slat with a bottom slat lock fitted.

Rubber seal only

All sloping bottom slats will be supplied with the rubber seal used on our SeceuroGlide range. We are unable to supply a sloping bottom slat with a bottom slat reinforcing handle.

No woodgrain finish available

We are unable to supply sloping bottom slats in any of our range of woodgrain finishes.

Only AEG/X bottom slat

Unless supplied with a SeceuroGlide Compact a sloping bottom slat will always be constructed from an AEG/X bottom slat.

Please note: that this differs from the standard bottom slat supplied with SeceuroShield 77, SeceuroVision 800 and SeceuroGlide.

A sloping bottom slat for a SeceuroGlide compact will be constructed from an AEG bottom slat.

Limited guide rails

When a sloping bottom slat is required on a SeceuroShield 60 / 77 or a SeceuroVision 800 / 900 the shutter must have UPH250 (90 mm) guide rails. Please ensure that your survey has taken this into account. A SeceuroGlide requiring a sloping bottom slat can be supplied with either H75 or UPH250 guide rails. A SeceuroGlide Compact will always require UPH140 guide rails.

Maximum width

The maximum width for a sloping bottom slat is 5000 mm. This is the overall door width including guide rails.

Maximum height difference (H)

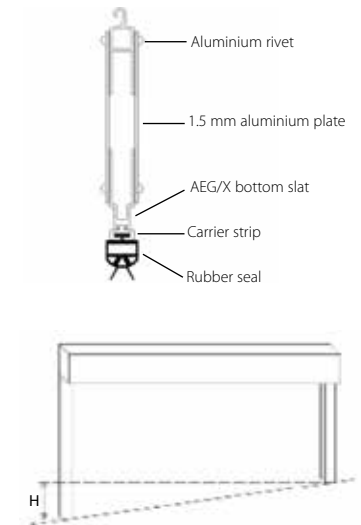
The maximum height difference (H) the sloping bottom slat can accommodate is 250 mm. When surveying you must ensure that the total height of the sloping bottom slat does not exceed the box end size for the door or you will struggle to load the curtain into the guide rails.

To obtain the total height of the sloping bottom slat you need to add the standard height of an AEG/X bottom slat (95 mm) or the standard height of an AEG bottom slat (60 mm) to your height difference (h).

You must also ensure your customer is aware that when the door is fully open the sloping bottom slat will remain in the guide rails reducing the clear height available.

Sloping Bottom Slat
We are able to supply sloping bottom slats for SeceuroShield 60 / 77 and SeceuroVision 800 / 900 shutters. Please note the conditions listed when ordering.

Door Width	
0 to 2500 mm	£243.21
2501 to 5000 mm	£400.40



Notes

Electrically Operated Shutter Accessories



Inis Uno Single Pole Switch For One Shutter

Used to operate one shutter, supplied with an electric shutter as standard unless another electric controller is ordered (requires back box).

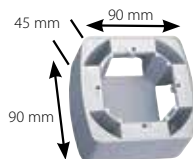
Code: EC37200
Each: £12.68



Inis Duo Dual Pole Switch For 2 Shutters

This will operate two shutters simultaneously. (requires back box) Available as standard with 2 shutters only when requested.

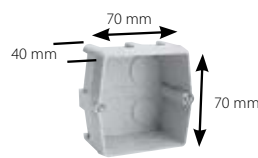
Code: EC37301
Each: £35.02



Surface Mount Box

For use with Inis Uno and Inis Duo. Supplied as standard with a complete shutter.

Code: EC37400
Each: £4.23



Flush Mount Box

For use with Inis Uno and Inis Duo. Supplied with a complete shutter only when requested.

Code: EC37500
Each: £6.00



Single / Dual Pole Key Switch (Momentary)

Utilised instead of, or with a standard switch to deliver extra security, for direct switching of motor. Can operate two shutters simultaneously.

Code: EC38102 (Keyed Different)
Code: EC38103 (Keyed Alike)
Each: £64.58



Flush mounted face plate

Can be added to the front of the surface mounted key switch when a flush mounted key switch is required.

Code: YEC38104
Each: £5.67



Key Switch Security Housing

Padlockable metal housing for a surface mounted key switch (padlock not included) supplied in galvanised finish, white or brown as standard.

Code: EC36000
Each: £30.00

Includes one Inis Uno switch when supplied as part of an order for a shutter.



Group Command For 4 Shutters

When shutters need to be operated in groups or individually. Also used where two switches operate one shutter.

Code: YEC39400
Each: £198.50



KS02 Anti-Tamper Controller For Key Switches

Code: EC355T3
Each: £200.37



Manual Override Lock (fitted)

Secures the manual override access hole on motorised shutters. Available for exit E on 205 mm box or bigger. Not available as keyed alike. Blank keys are not available.

Code: YSGACCS1 O/R LOK
Each: £112.07



Manual Override Lock (loose)

Secures the manual override access hole on motorised shutters. Available for exit E on 205 mm box or bigger. Not available as keyed alike. Blank keys are not available.

Code: YMT018A1
Each: 46.39




Motor Test Lead

Code: EC40900
Each: £78.00


Note - Wiring diagrams are available from the Online Distributor Area at www.sws.co.uk/wiringdiagrams Contact Marketing for further details

Electrically Operated Shutter Accessories




90 db alarm (for use with SeceuroSmart receiver unit)
Attaches to the receiver unit. The alarm is activated if the shutter is lifted manually.
Dimensions 39 mm x 47 mm.

Code: EC40004
Each **£21.38**



SeceuroSmart Professional
(No bulk head light or switches)
Includes 2 transmitters but no safety devices and is hold to run operation only.


Code: EC39500
Each **£198.50**



Will only operate SWS SeceuroSmart receivers.

Multi-channel Remote Transmitter
Used with Multi-channel receiver It will operate up to 4 shutters. Multi-channel unit identified by light blue casing. Transmitter cover as standard.

Code: EC39101
Each **£72.79**



ProMate
Key product features:


- Low carbon footprint <0.5 watts
- Designed for installers without electrical qualifications
- Dynamic user interface
- Plug and play battery back-up (optional)
- Compliant to 13241-1
- Touch safe voltages for all inputs

Code: EC25000
Each **£145.00**

Battery back ups

- LCD display provides clear information on
 - Battery charge status
 - Power taken from the batteries when operating the shutter
 - Power remaining in mins
 - Self check alerts when the batteries need to be changed
- Display Input power from the mains
 - Voltage
 - Frequency
 - Power taken when operating the shutter
- Plug and play
- 4 models in the range from 750 watts to 1,875 watts, this will cover any single phase tubular motor on the market.

750 VA unit	EC25100	£874.36
1050 VA unit	EC25200	£1,053.21
1400 VA unit	EC25300	£1,278.43
1875 VA unit	EC25400	£1,467.21



Battery Backup
Key product features:

- Provides back up for 12 hours
- Instantly activates in the event of a power failure
- LCD display showing battery level and power being consumed
- Independent on/off button
- Power leads supplied as standard
- 3 pin plug with 5amp fuse required (not included with kit)
- Unit shuts off when battery levels are low to protect the batteries
- Optional mounting bracket available for a surcharge (must be requested)
- When used with a SeceuroSense remote control the anti-entrapment feature must be deactivated in the remote control and a box lid fitted on all doors less than 2.5 m in height


See page 29 for battery backup selection.

Battery back up

850 VA unit	EC40300	£252.25
1100 VA unit	EC40400	£347.70
1500 VA unit	EC40500	£547.40
2000 VA unit	EC40600	£666.30

Bracket for battery back up

To suit all units	EC40700	£81.12
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SeceuroSmart Remote Receiver (with bulk head light)
Fitted internally it enables shutters to be operated remotely. No transmitters included.

Code: EC39202
Each **£248.56**




SeceuroSmart Remote Transmitter
Must be used in conjunction with a SeceuroSmart receiver. Single channel unit identified by grey casing. Transmitter cover as standard. Will only operate SWS SeceuroSmart receivers.

Code: EC351T0
Each **£61.39**




Bottom Slat Transmitter

Code: BS660B0
Each **£99.03**




Transmitter Battery 2 batteries per transmitter.
Battery type CR 2016

Code: EC36100
Each **£4.51**



Rollixo Magnet (EACH)

Code: EC39302
Each **£21.26**




Safety Photo Cell
Fitted internally, if the beam is broken on the closing cycle the shutter will reverse slightly. Required if a door opens into a public area. (Covers not included).

Code: EC15100
Each **£99.96**


Photo Cell Cover

Code: EC359T0
Each **£15.71**



Keygo Transmitter

Code: SG100P0
Each **£62.78**



Rollixo Remote Control Upgrade Kit
Contains: Remote Receiver, 2 x Transmitters, 1 x Bottom

Code: EC49900
Each **£297.65**

Bottom Slat Rubber (per Metre)

Code: BS670B0
Each **£14.33**

Rollixo Alarm Kit

Code: EC41001
Each: **£18.16**

Wireless radio keypad

















Code: SG101P0
Each: **£187.20**

SeceuroSmart Bottom Slat Safety Edge Transmitter

Code: EC39307
Each: **£98.80**

Note - Wiring diagrams are available from the Online Distributor Area at www.sws.co.uk/wiringdiagrams Contact Marketing for further details

SeceuroSense Shutter accessories

<p>Smooth White 2 Channel Transmitter Code: EC71102 Each: £61.39</p> <p>Smooth White 4 Channel Transmitter Code: EC71104 Each: £61.39</p> <p>Smooth White 4 Channel Bi-Directional Remote Code: EC75004 Each: £74.28</p> 	<p>Smooth Black 2 Channel Transmitter Code: EC71202 Each: £61.39</p> <p>Smooth Black 4 Channel Transmitter Code: EC71204 Each: £61.39</p> <p>Smooth Black 4 Channel Bi-Directional Remote Code: EC75104 Each: £74.28</p> 	<p>Chrome Elipse 4 Channel Transmitter Code: EC71004 Each: £61.39</p> 	<p>Chrome 4 Channel Transmitter Code: EC71404 Each: £61.39</p> 	<p>Replacement Light Bulb for Courtesy Light Code: EC72500 Each: £4.00</p> 	<p>4 Channel White Wall Transmitter Code: EC73004 Each: £78.58</p> <p>4 Channel Black Wall Transmitter Code: EC73104 Each: £78.58</p> <p>4 Channel Bi Directional Wall Switch White Code: EC74004 Each: £113.26</p> <p>4 Channel Bi Directional Wall Switch Black Code: EC74104 Each: £113.26</p> <p>4 Channel Stainless Steel Cover Code: EC73000 Each: £32.90</p> 
<p>Plus 3 Channel Transmitter Code: EC71303 Each: £61.39</p> 	<p>Batteries for Transmitters Above Code: EC36101 Each: £4.51</p> 	<p>Bottom Slat Transmitter Code: EC75100 Each: £98.55</p> <p>Batteries for BST (2 Pack) Code: EC71101 Each: £23.68</p> 	<p>Lighting Strip Internal / External – 1 x1000mm Code: EC76000 Each: £203.44</p> <p>Lighting Strip Internal / External – 2 x1000mm Code: EC77000 Each: £266.95</p> <p>Lighting Bar Cover Extrusion 2 m Code: EC78000 Each: £75.35</p> 	<p>Alarm Kit for SeceuroSense Code: EC72000 Each: £70.56</p> 	
<p>SeceuroSense Wireless Keypad Code: EC70300 Each: £188.38</p> 	<p>SeceuroSense hard wired magnets Code: EC72600 Each: £42.85</p> 	<p>SeceuroGlide Connect Code: EC90000 Each: £321.85</p> <p>SeceuroGlide Connect+ Code: EC95000 Each: £284.86</p> <p>(SeceuroGlide Connect+ price includes SIM card.) Please specify required Network for SIM card.</p> 	<p>Photocell and Reflector Code: EC70500 Each: £77.79</p> 	<p>SeceuroSense Remote Control Upgrade Kit Contains, Remote Receiver, 2 x Transmitters, 1 x Bottom, Slat Transmitter, 1 x Pair Optical Eyes Code: YEC69900 Each: £297.65</p> <p>Bottom Slat (Per Metre) colour or woodgrain Code: AEGDW Per Metre: £14.09</p> <p>Bottom Slat Rubber (Per metre) Per Metre: £9.07</p> <p>To upgrade to the SeceuroSense System you will require the remote control upgrade kit plus a new bottom slat and bottom slat rubber.</p> 	

Note - Wiring diagrams are available from the Online Distributor Area at www.sws.co.uk/wiringdiagrams Contact Marketing for further details

NRG Motor Sizes and Prices

Prices include mounting brackets and adapters as required.

All motors are supplied with cable 2.5m long (1.5m 140Nm), mounting bracket and adapters as required.

MOTOR FEATURES

- Quick set progressive limit switches.
- Quick fit adaptors and brackets.
- Multiple mounting position motor heads.
- IP protection 44.
- Integrated thermal protection.
- Integrated electro-mechanical brake.
- Run time 4 mins.
- Permanent manual override.
- Limit positions not altered by use of manual override.
- Slim motor heads.

NRG 45S-50



NRG 45M-50



NRG 59S-100



NRG 59M-100



NRG 59M-140



NRG 92M-23/30



BATTERY BACK-UP SELECTION			
Key	Unit Power	Stock Code	Price
	850va	EC40300	£251.03
	1100va	EC40400	£346.03
	1500va	EC40500	£547.40
	2000va	EC40600	£666.30

NON OVERRIDE MOTOR

	Code	Price
50Nm	MT950M2	£83.33
100Nm	MT900M1	£120.00

VERRIDE MOTOR

	Code	Price
50Nm	MT950M1	£100.00
100Nm	MT900M2	£132.50
140Nm	MT914M1	£146.50
230Nm	MT923M1	£293.25

Manual Override
Used as a way of manually operating motorised shutters in an emergency. Please state if you require hook & eye or a removable / fixed override handle. If you require a removable / fixed override handle please state whether you require the 2 hole 45 degree, 2 hole 90 degree or the 4 hole 90 degree handle.

Code: YACCS OVERRIDE
Each: £95.00

Motor Test Lead
Code: EC40900
Each: £78.00

7 mm - 7 mm Hexagonal Adaptor
MT410M1 £5.12
(Used to extend 7 mm hexagonal override bar)
MT411M1 £3.87 / 330 mm

Concealed override exit (white)
Code: MT020M1 Price: £20.02

Concealed override exit (brown)
Code: MT020M2 Price: £20.02

***Concealed override handle**
Code: YGD02006 Price: £61.16

* If purchased as a component If this override option is selected with a product, for example as the shutter override option then the handle will be included in the manual override surcharge.

Specifications		Rotate Torque (N.m)	Rated Speed (rpm)	Tube Diameter (mm)	Rated Voltage (V)	Rated Frequency (Hz)	Rated Power Input (W)	Rated Current (A)	Running Time (Mins)	Degree of Protection (IP)	Max Number of Turns (Turn)
EM45M/S Manual - Standard	EM45M-50/12	50	12	45	230	50	308	1.41	4	IP44	23
EM59S Standard	EM59S-100/12	100	12	59	230	50	491	2.32	4	IP44	20
EM59M Manual	EM59M-100/12	100	12	59	230	50	491	2.32	4	IP44	22
EM92M Manual	NRG 59M -140	140	9	92	230	50	620	3.10	4	IP44	30
	EM92M-230/12	230	12	92	230	50	850	4.10	4	IP44	30

Somfy Motor Sizes and Prices

NOTES FOR ALL MOTORS

- All motors are supplied with a 2.5 metre long cable as standard.
- 5 metre and 10 metre motor extension cables can be ordered (see below right)
- All motors are supplied with mounting brackets and adaptors as required. To ensure the correct parts are supplied, when you order a motor you must make it clear the size and type of shutter and axle.
- The tables shown are a simplified guide to assist motor selection and allow for collars when appropriate. During manufacture motor requirement is calculated more precisely to suit the size of the shutter which may result in a different motor being supplied to that indicated. A higher specification motor may be substituted due to stock shortage.

ALL MOTORS (EXCL. HERCULES) FEATURE:

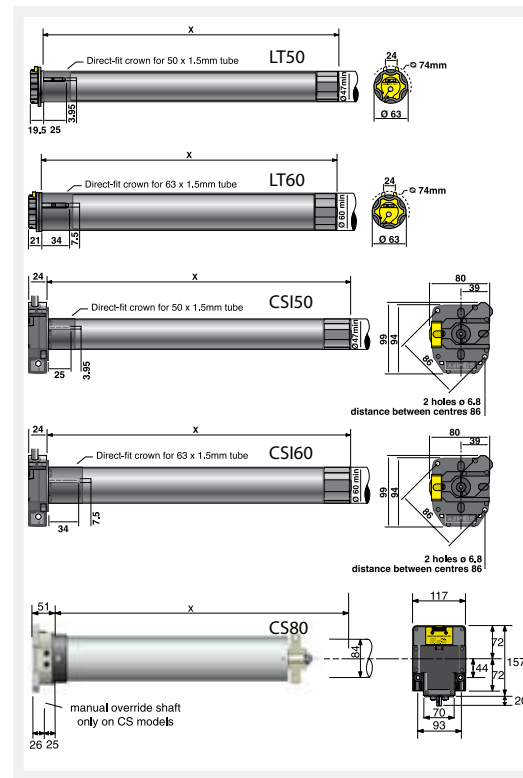
- Rapid set push button limit switches
- Clip-on drive adaptors and brackets
- Multiple mounting positions of motor head
- Standard Index of Protection rating: IP44
- Supply cable via removable connector
- Integral thermal protection
- Integral electromagnetic brake
- Continuous running time: 4 mins
- Temperature range -10c to +40c

MANUAL OVERRIDE MOTORS (EXCLUDING THE HERCULES RANGE) ALSO FEATURE:

- Manual operation by hand crank in the event of a power failure
- Limit positions not affected by manual drive

Hercules motors feature:

- Fitted with flexible supply cable
- Progressive limit switches
- Temperature range: -25c to +85c
- Standard Index of Protection rating: IP44
- Integral electromagnetic brake
- Continuous running time: 4 mins



Extension Cables

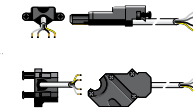
Versions for override and non-override motors

Non-Override Motors

Code: MT050M2	5m	£15.48
Code: MT100M2	10m	£23.62

Override Motors

Code: MT051M2 (CSI)	5m	£15.48
Code: MT101M2 (CSI)	10m	£23.62



MOTOR NAMES

Somfy motors will no longer be given names such as Jet and Mariner but will be referred to by their range and torque value.

What do the numbers mean?

LT50 10/12

LT or CSI – indicates whether the motor is a **non override** (LT) or an **override** (CSI) motor.

50, 60 & 80 – the number after the LT or CSI indicates the motor **series** that the motor belongs to.

10 – The next number is the **torque** value for this motor.

The larger the shutter the greater the torque value required.

12 – The final number indicates the **speed** of the motor and is the number of revolutions per minute that the motor will operate at.

NON-OVERRIDE MOTOR

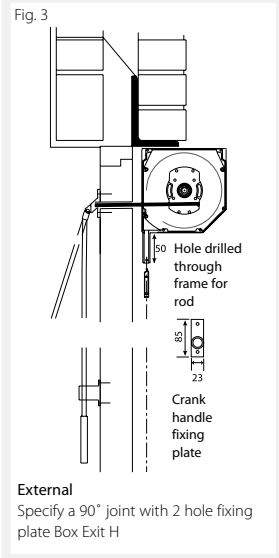
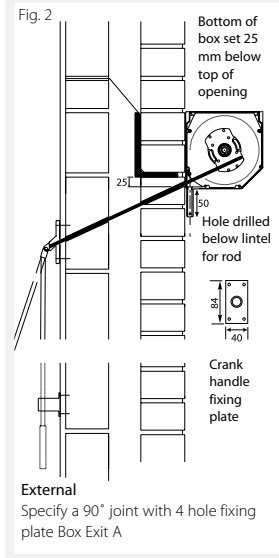
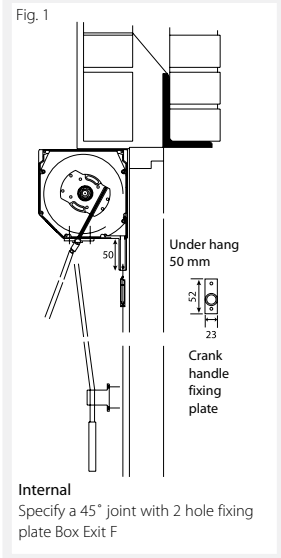
Description	code	price	dim x
LT50 Jet 10/12	YMT510M1	£206.48	505
LT50 Atlas 15/12	YMT515M1	£224.21	525
LT50 Meteor 20/12	YMT520M1	£235.84	525
LT50 Helios 30/12	YMT530M1	£253.45	555
LT50 Mariner 40/12	YMT540M1	£303.59	605
LT50 Vectran 50/12	YMT550M1	£315.26	605
LT60 Vega 60/12	YMT560M1	£361.97	614
LT60 Sirius 80/12	YMT580M1	£396.99	614
LT60 Titan 100/12	YMT600M1	£460.04	659

OVERRIDE MOTOR

CSI50 Meteor 20/17	YMT521M1	£326.94	594
CSI50 Gemini 25/17	YMT525M1	£342.15	594
CSI50 Helios 30/17	YMT531M1	£358.21	594
CSI50 Mariner 40/17	YMT541M1	£370.27	594
CSI60 Orion 55/17	YMT555M1	£406.32	640
CSI60 Vega 60/12	YMT561M1	£409.85	640
CSI60 Sirius 80/12	YMT581M1	£437.14	640
CSI60 Titan 100/12	YMT601M1	£496.30	675
CSI60 Taurus 120/12	YMT621M1	£599.03	675
LT80S CSI 150	YMT650M1	£966.73	652
LT80S CSI 200	YMT700M1	£1,126.47	652

OVERRIDE ACCESSORIES

1100 mm manual override crook	YMT110M1	£7.50
1500 mm manual override crook	YMT125M1	£8.36
2000 mm manual override crook	YMT200M1	£10.27
45° drop eye joint 4 hole plate	YGD02005	£24.00
175 mm rigid metal override eye	YMT130M1	£5.46



RADIO MOTOR SELECTION

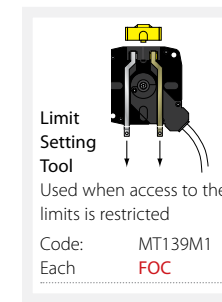
RTS range of tubular motors for window shutters.

Radio motors have been designed to ease the installation of automated shutters, providing wiring and accurate remotely set limit positions.

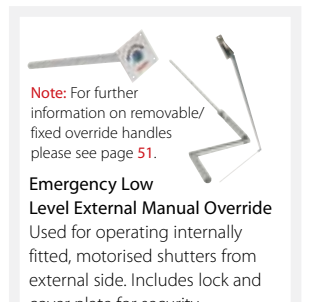
- Radio motors are a versatile and flexible solution, providing convenient easy-to-use features.
- Available with and without manual override facility.
- Quicker installation with no wiring to the switch position.

- Choice of remote controls.
- Opportunities for extra sales value with less work!
- Several motors can be grouped together; no group commands required.
- Powerful range of 200 m in open space and 20 m through two concrete walls.

RTS motor only upgrade **£166**. For controls or further information, please contact your Account Manager who will quote you the most suitable option for your enquiry.



Limit Setting Tool
Used when access to the limits is restricted
Code: MT139M1
Each **FOC**



Note: For further information on removable/fixed override handles please see page 51.

Emergency Low Level External Manual Override
Used for operating internally fitted, motorised shutters from external side. Includes lock and cover plate for security.

Low level override kit
Code: MT120M1 **£163.25**
Articulated small winding crank
Code: MT121M2 **£36.75**
1330 mm articulated crank
Code: MT121M3 **£62.74**
PVC duct & lockable aluminium cover
Code: MT121M4 **£56.54**
Spare blank keys
Code: MT120M5 **£7.22**

Note - Wiring diagrams are available from the Online Distributor Area at www.sws.co.uk/wiringdiagrams Contact Marketing for further details

The battery backup selection guide shown below is only applicable when the shutter is operated by a hold to run switch.

BATTERY BACK-UP SELECTION

Key	Unit Power	Stock Code	Price
	850va	EC40300	£252.25
	1100va	EC40400	£347.70
	1500va	EC40500	£547.40
	2000va	EC40600	£666.30
	Bracket	EC40700	£81.12

SECEUROSHIELD 150

Axle	Max Area m ²	Motor	Override Motor
60/70 mm	4	LT50 10/12	CSI50 20/17
60/70 mm	6	LT50 15/12	CSI50 20/17
60/70 mm	8	LT50 20/12	CSI50 20/17

SECEUROSHIELD 38

Axle	Max Area m ²	Motor	Override Motor
60/70 mm	2	LT50 10/12	CSI50 20/17
60/70 mm	3	LT50 15/12	CSI50 20/17
60/70mm	4	LT50 20/12	CSI50 20/17
60/70 mm	5	LT50 30/12	CSI50 25/17
60/70 mm	6	LT50 30/12	CSI50 30/17
60/70 mm	9	LT50 40/12	CSI50 40/17
60/70mm	11	LT50 50/12	CSI60 55/17
70 mm	12	LT60 60/12	CSI60 55/17
4"	12	LT60 60/12	CSI60 80/12

SECEUROVISION 38

Axle	Max Area m ²	Motor	Override Motor
60/70 mm	2	LT50 10/12	CSI50 20/17
60/70 mm	4	LT50 15/12	CSI50 20/17
60/70 mm	5	LT50 20/12	CSI50 20/17
60/70 mm	6	LT50 30/12	CSI50 25/17
60/70 mm	8	LT50 30/12	CSI50 30/17
60/70 mm	10	LT50 40/12	CSI50 40/17

*SeceuroVision 3800 tables are for fully punched shutters with no glazing. If the shutter has glazing fitted use the SeceuroShield 3800 table.

SECEUROVISION 3801

Axle	Max Area m ²	Motor	Override Motor
60 mm	3	LT50 10/12	CSI50 20/17
60 mm	4	LT50 15/12	CSI50 20/17
60 mm	6	LT50 20/12	CSI50 20/17
60 mm	6.25	LT50 30/12	CSI50 25/17
70 mm	6	LT50 30/12	CSI50 30/17
70 mm	7	LT50 40/12	CSI50 40/17
70 mm	10	LT50 50/12	CSI60 55/17
70 mm	12	LT60 60/12	CSI60 60/12

SECEUROSHIELD 60

Axle	Max Area m ²	Motor	Override Motor
70 mm	2	LT50 10/12	CSI50 20/17
70 mm	3	LT50 15/12	CSI50 20/17
70 mm	4	LT50 20/12	CSI50 20/17
70 mm	5	LT50 30/12	CSI50 25/17
70 mm	6	LT50 30/12	CSI50 30/17
70 mm	8	LT50 40/12	CSI50 40/17
70 mm	10	LT50 50/12	CSI60 55/17
70 mm	11	LT60 60/12	CSI60 55/17
70 mm	11.8	LT60 60/12	CSI60 60/12
70 mm	16	LT60 80/12	CSI60 80/12
70 mm	20	LT60 100/12	CSI60 100/12
4"	4	LT50 30/12	CSI50 30/17
4"	6	LT50 40/12	CSI50 40/17
4"	8	LT50 50/12	CSI60 55/17
4"	9	LT60 60/12	CSI60 60/12
4"	12	LT60 80/12	CSI60 80/12
4"	16	LT60 100/12	CSI60 100/12
4"	19	CSI60 120/12	CSI60 120/12
4"	20	LT80S CSI 150*	LT80S CSI 150*
5"	12	LT60 100/12	CSI60 100/12
5"	14	CSI60 120/12	CSI60 120/12
5"	18	LT80S CSI 150*	LT80S CSI 150*
5"	20	LT80S CSI 200*	LT80S CSI 200*

SECEUROVISION 77

Axle	Max Area m ²	Motor	Override Motor
100 mm, 16swg, 10swg	2	LT50 10/12	CSI50 20/17
100 mm, 16swg, 10swg	4	LT50 15/12	CSI50 20/17
100 mm, 16swg, 10swg	5	LT50 20/12	CSI50 20/17
100 mm, 16swg, 10swg	7	LT50 30/12	CSI50 25/17
100 mm, 16swg, 10swg	8	LT50 30/12	CSI50 30/17
100 mm, 16swg, 10swg	11	LT50 40/12	CSI50 40/17
100 mm, 16swg, 10swg	14	LT50 50/12	CSI60 55/17
100 mm, 16swg, 10swg	15	LT60 60/12	CSI60 55/17

SECEUROVISION 90 150 mm spacing

Axle	Max Area m ²	Motor	Override Motor
70mm/4"	2	LT50 10/12	CSI50 20/17
70mm/4"	3	LT50 15/12	CSI50 20/17
70mm/4"	4	LT50 20/12	CSI50 20/17
70mm/4"	6	LT50 30/12	CSI50 25/17
70mm/4"	7	LT50 30/12	CSI50 30/17
70mm/4"	9	LT50 40/12	CSI50 40/17
70mm/4"	12	LT50 50/12	CSI60 55/17
70mm/4"	14	LT60 60/12	CSI60 60/12
70mm/4"	16	LT60 80/12	CSI60 80/12

SECEUROVISION 80 (FULLY PUNCHED)

Axle	Max Area m ²	Motor	Override Motor
70 mm/4"	2	LT50 10/12	CSI50 20/17
70 mm/4"	3	LT50 15/12	CSI50 20/17
70 mm/4"	4	LT50 20/12	CSI50 20/17
70 mm/4"	5	LT50 30/12	CSI50 25/17
70 mm/4"	6	LT50 30/12	CSI50 30/17
70 mm/4"	8	LT50 40/12	CSI50 40/17
70 mm/4"	10	LT50 50/12	CSI60 55/17
70 mm/4"	11	LT50 50/12	CSI60 55/17
70 mm/4"	12	LT60 60/12	CSI60 60/12
70 mm/4"	16	LT60 80/12	CSI60 80/12
70 mm/4"	20	LT60 100/12	CSI60 100/12
5"	16	LT60 100/12	CSI60 100/12
5"	19	CSI60 120/12	CSI60 120/12
5"	20	LT80S CSI 150*	LT80S CSI 150*

SECEUROVISION 80 GLAZED OR SOLID

Axle	Max Area m ²	Motor	Override Motor
70 mm/4"	1.5	LT50 10/12	CSI50 20/17
70 mm/4"	2	LT50 15/12	CSI50 20/17
70 mm/4"	3	LT50 20/12	CSI50 20/17
70 mm/4"	3.8	LT50 20/12	CSI50 25/17
70 mm/4"	4	LT50 30/12	CSI50 30/17
70 mm/4"	6	LT50 40/12	CSI50 40/17
70 mm/4"	7	LT50 50/12	CSI60 55/17
70 mm/4"	8	LT60 60/12	CSI60 55/17
70 mm/4"	9	LT60 60/12	CSI60 60/12
70 mm/4"	12	LT60 80/12	CSI60 80/12
70 mm/4"	15	LT60 100/12	CSI60 100/12
70 mm/4"	18	CSI60 120/12	CSI60 120/12
70 mm/4"	20	LT80S CSI 150*	LT80S CSI 150*
5"	12	LT60 100/12	CSI60 100/12
5"	14	CSI60 120/12	CSI60 120/12
5"	18	LT80S CSI 150*	LT80S CSI 150*
5"	20	LT80S CSI 200*	LT80S CSI 200*

SECEUROVISION 90 75 mm spacing

Axle	Max Area m ²	Motor	Override Motor
70mm/4"	2	LT50 10/12	CSI50 20/17
70mm/4"	3	LT50 15/12	CSI50 20/17
70mm/4"	4	LT50 20/12	CSI50 20/17
70mm/4"	5	LT50 30/12	CSI50 25/17
70mm/4"	6	LT50 30/12	CSI50 30/17
70mm/4"	8	LT50 40/12	CSI50 40/17
70mm/4"	10	LT50 50/12	CSI60 55/17
70mm/4"	11	LT50 50/12	CSI60 55/17
70mm/4"	12	LT60 60/12	CSI60 60/12
70mm/4"	16	LT60 80/12	CSI60 80/12
5"	16	LT60 100/12	CSI60 100/12

SECEUROSHIELD 75

Axle	Max Area m ²	Motor	Override Motor
4"	1.4	LT50 10/12	CSI 20/17
4"	2.1	LT50 15/12	CSI 20/17
4"	2.9	LT50 20/12	CSI 20/17
4"	3.6	LT50 30/11	CSI 25/17
4"	4.3	LT50 30/12	CSI 30/17
4"	5.8	LT50 40/12	CSI 40/17
4"	7.2	LT50 50/12	CSI 55/17
4"	7.7	LT60 60/12	CSI 55/17
4"	8.6	LT60 60/12	CSI 60/12
4"	11.6	LT60 80/12	CSI 80/12
4"	14.4	LT60 100/12	CSI 100/12
4"	17.2	CSI 120/12	CSI 120/12
4"	21.6	LT80S CSI 150*	LT80S CSI 150*
4"	28.8	LT80S CSI 200*	LT80S CSI 200*
5"	6.1	LT50 50/12	CSI 55/17
5"	6.7	LT60 60/12	CSI 60/12
5"	8.9	LT60 80/12	CSI 80/12
5"	11.2	LT60 100/12	CSI 100/12
5"	13.4	CSI 120/12	CSI 120/12
5"	16.8	LT80S CSI 150*	LT80S CSI 150*
5"	22.4	LT80S CSI 200*	LT80S CSI 200*

SECEUROVISION 75

Axle	Max Area m ²	Motor	Override Motor
4"	1.8	LT50 10/12	CSI 20/17
4"	2.6	LT50 15/12	CSI 20/17
4"	3.6	LT50 20/12	CSI 20/17
4"	4.5	LT50 30/12	CSI 25/17
4"	5.4	LT50 30/12	CSI 30/17
4"	7.3	LT50 40/12	CSI 40/17
4"	9	LT50 50/12	CSI 55/17
4"	9.6	LT60 60/12	CSI 55/17
4"	10.8	LT60 60/12	CSI 60/12
4"	14.5	LT60 80/12	CSI 80/12
4"	18	LT60 100/12	CSI 100/12
4"	21.5	CSI 120/12	CSI 120/12
4"	27	LT80S CSI 150*	LT80S CSI 150*
4"	36	LT80S CSI 200*	LT80S CSI 200*
5"	7.6	CSI 55/17	CSI 55/17
5"	8.4	LT60 60/12	CSI 60/12
5"	11.1	LT60 80/12	CSI 80/12
5"	14	LT60 100/12	CSI 100/12
5"	16.8	CSI 120/12	CSI 120/12
5"	21	LT80S CSI 150*	LT80S CSI 150*
5"	28	LT80S CSI 200*	LT80S CSI 200*

For openings of less than 600 mm x 600 mm we recommend using SeceuroBar (see pages 40).

Available lock positions – only one lock per gate, indicate which position is required on the order form.

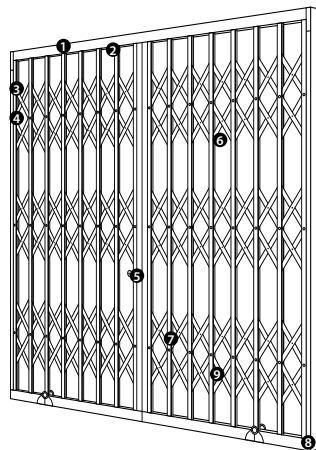
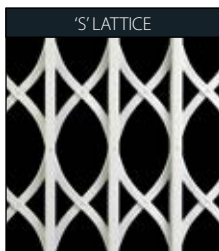
Height (mm)	Width (mm)																		Single sash hinge aside max										All single sash gates 2 m wide and above will be supplied with split sashes										Bi-parting hinge aside max									
	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700																		
800	270	274	283	296	310	329	346	364	382	398	410	428	447	465	482	497	513	531	549	567	585	600	613	632	649	668	684	700	713	732																		
900	271	283	297	312	329	350	368	387	405	421	436	454	472	491	509	524	541	559	578	594	613	632	649	669	684	703	721	738	752	771																		
1000	274	293	310	329	346	368	389	407	425	443	462	479	497	515	533	552	569	587	605	623	642	664	684	703	721	739	758	774	793	810																		
1100	292	325	330	350	372	392	414	434	455	477	495	515	538	556	576	596	619	637	656	679	699	721	742	763	785	803	824	847	864	897																		
1200	297	332	334	357	380	401	419	442	466	482	504	526	550	571	590	613	635	654	676	700	721	736	762	785	803	840	852	874	899	972																		
1300	312	336	357	380	405	424	443	469	492	513	537	559	583	605	628	652	675	698	720	742	766	789	809	828	900	924	945	969	994	1005																		
1400	346	372	397	423	447	469	491	515	541	567	590	616	642	668	693	716	742	767	793	819	842	883	909	935	959	983	1009	1035	1060	1085																		
1500	357	384	410	436	462	487	513	537	562	589	616	642	668	693	716	743	770	796	822	863	891	916	942	969	996	1018	1044	1072	1099	1124																		
1600	368	397	425	451	477	504	533	559	585	613	642	668	693	716	742	770	801	825	851	909	923	947	973	1002	1032	1055	1081	1108	1140	1163																		
1700	391	420	450	477	503	533	563	590	617	648	677	704	732	758	785	812	842	884	914	942	972	999	1028	1055	1085	1112	1141	1169	1199	1226																		
1800	411	442	472	501	532	562	591	622	652	681	712	742	771	799	825	869	899	928	959	989	1018	1049	1078	1108	1140	1169	1199	1230	1259	1289																		
1900	434	466	496	529	562	591	623	653	683	716	748	779	810	838	883	916	947	979	1009	1041	1073	1104	1134	1166	1195	1230	1261	1292	1322	1355																		
2000	459	491	522	556	590	622	653	684	716	751	786	817	849	893	930	960	996	1028	1059	1093	1128	1160	1190	1221	1253	1288	1324	1355	1385	1420																		
2100	487	522	555	590	626	659	694	727	762	797	833	864	896	946	979	1014	1051	1083	1119	1154	1190	1222	1258	1290	1325	1357	1393	1425	1460	1497																		
2200	515	552	589	625	661	699	735	770	806	845	880	914	945	1010	1033	1069	1104	1142	1177	1214	1252	1288	1324	1361	1397	1429	1461	1498	1535	1617																		
2300	531	568	604	644	681	717	755	792	828	866	905	939	987	1032	1062	1099	1137	1173	1212	1247	1283	1322	1361	1397	1433	1468	1502	1587	1623	1661																		
2400	549	585	621	661	702	739	774	810	848	887	943	981	1016	1053	1090	1130	1171	1207	1243	1280	1317	1356	1397	1433	1469	1506	1588	1627	1667	1705																		
2500	563	613	645	681	720	758	794	833	870	924	972	987	1027	1062	1097	1137	1176	1214	1252	1290	1328	1367	1408	1443	1478	1562	1599	1639	1680	1716																		
2600	581	621	661	698	734	773	815	855	912	951	992	1033	1073	1108	1145	1186	1226	1266	1307	1348	1388	1429	1469	1550	1588	1627	1667	1709	1749	1790																		
2700	604	646	690	729	767	807	851	909	951	992	1035	1074	1118	1155	1194	1238	1281	1322	1365	1404	1446	1487	1572	1615	1655	1696	1738	1779	1820	1863																		
2800	625	672	716	759	801	842	884	946	992	1035	1076	1119	1160	1202	1244	1289	1333	1378	1419	1461	1504	1591	1632	1680	1724	1767	1807	1849	1892	1938																		
2900	639	686	736	783	829	874	963	1008	1060	1105	1153	1199	1245	1289	1334	1382	1432	1478	1525	1571	1648	1707	1751	1799	1847	1894	1941	1987	2027	2072																		
3000	659	707	771	803	851	893	983	1029	1081	1127	1173	1220	1266	1310	1355	1402	1452	1500	1546	1592	1667	1726	1772	1820	1869	1916	1961	2009	2047	2092																		
3100	680	729	807	825	870	915	1005	1049	1101	1149	1194	1241	1288	1330	1376	1424	1474	1520	1567	1614	1689	1748	1794	1840	1890	1936	1983	2029	2069	2113																		
3200	702	748	845	868	892	937	1027	1070	1123	1169	1216	1262	1308	1352	1397	1445	1495	1541	1588	1634	1711	1770	1813	1862	1911	1957	2004	2050	2090	2135																		
3300	722	770	880	897	914	956	1046	1092	1144	1190	1236	1283	1329	1373	1418	1466	1514	1562	1609	1655	1732	1790	1835	1884	1932	1979	2024	2072	2110	2155																		
3400	743	792	916	925	935	977	1067	1112	1164	1212	1258	1304	1351	1394	1439	1487	1536	1583	1629	1677	1752	1811	1857	1903	1953	2000	2046	2092	2132	2177																		
3500	765	812	951	953	954	999	1088	1132	1186	1232	1279	1325	1371	1415	1460	1508	1558	1603	1650	1696	1774	1831	1875	1925	1975	2020	2068	2113	2153	2198																		

COMMON APPLICATIONS

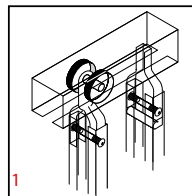
Internal medium to high security domestic and selected commercial and retail applications. Made to measure in powder coated pre-galvanised steel.

CONSTRUCTION

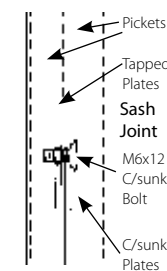
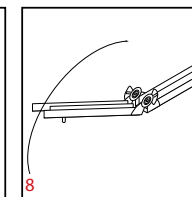
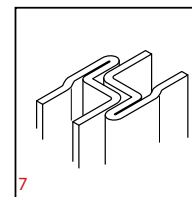
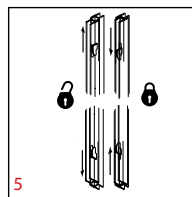
Lattice
High grade steel in 'X' lattice as standard and 'S' lattice as an option. Weight 19 kgm2 nominal



GENERAL ARRANGEMENT



- 1 Top hung on nylon coated steel bearings
- 2 All galvanised steel construction
- 3 Powder coating in a range of colours
- 4 Fits within or around the reveal
- 5 Multi-point locking from single key – 2 point
- 6 Strong steel lattice with smooth durable finish
- 7 Overlapped locking profiles
- 8 Optional folding bottom track
- 9 Steel rivetted lattice assembly system.



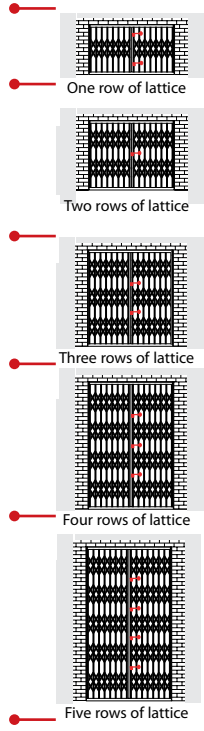
Gate Height Range (mm)	Number of lock hooks available
100	2 (4 optional)
1000-501	2
500-350	Fixed Panel

Please note: SeceuroGuard 1000 can accommodate an unlimited width with multiple sashes. Sashes are made in single pieces up to 2 m wide. Larger sizes are made in sections for assembly on site, ensuring the weight of each section can be handled safely. Gates which are wider than 4 m will be supplied with the top track in two pieces, the split will be in the middle. Where two split sashes meet two pickets are joined together using bolts and fixing plates supplied loose (see illustration above).

LARGER WIDTHS AVAILABLE:
SeceuroGuard 1000 can be manufactured to suit wider openings.
Contact your Account Manager if you require a price and more details.

Height (mm) ▶ All gates 4 m wide and above will be supplied with split sashes Width (mm)

Height (mm)	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000
800	749	765	778	792	805	817	829	840	853	864	878	889	900	914	924	938	949	960	973	985	997	1009	1021
900	789	806	822	836	852	866	882	896	912	926	942	956	972	986	1002	1016	1032	1046	1062	1076	1092	1105	1122
1000	829	847	864	909	926	945	905	981	999	1016	1035	1053	1070	1088	1105	1124	1142	1160	1177	1195	1214	1232	1250
1100	919	941	960	982	1002	1022	1022	1064	1085	1105	1127	1149	1169	1190	1212	1232	1253	1275	1295	1317	1337	1357	1379
1200	987	1006	1032	1051	1074	1100	1119	1136	1154	1172	1190	1208	1226	1244	1262	1280	1298	1317	1334	1352	1370	1388	1407
1300	1036	1053	1076	1100	1126	1150	1173	1197	1221	1245	1269	1294	1318	1342	1366	1389	1414	1438	1461	1486	1509	1533	1558
1400	1108	1134	1160	1186	1212	1236	1262	1288	1312	1339	1365	1389	1415	1441	1466	1491	1517	1542	1568	1594	1619	1645	1670
1500	1150	1175	1199	1224	1250	1276	1302	1326	1352	1378	1402	1429	1455	1479	1505	1531	1556	1581	1607	1632	1658	1684	1709
1600	1189	1214	1239	1265	1290	1317	1342	1367	1393	1418	1443	1469	1495	1520	1546	1571	1596	1622	1648	1673	1699	1724	1749
1700	1254	1281	1308	1335	1363	1389	1416	1443	1470	1498	1525	1551	1578	1604	1632	1659	1686	1713	1740	1768	1795	1822	1847
1800	1320	1349	1379	1410	1439	1469	1500	1529	1559	1590	1619	1649	1680	1709	1739	1770	1799	1829	1859	1889	1919	1949	1979
1900	1388	1418	1447	1478	1508	1583	1614	1644	1673	1704	1734	1763	1794	1823	1853	1884	1912	1942	1973	2002	2032	2063	2092
2000	1456	1487	1519	1595	1626	1658	1689	1721	1752	1783	1815	1846	1879	1910	1941	1973	2004	2037	2068	2099	2131	2162	2194
2100	1532	1610	1645	1680	1713	1748	1781	1816	1851	1886	1920	1955	1988	2023	2059	2092	2128	2162	2196	2230	2266	2299	2334
2200	1652	1689	1725	1762	1798	1834	1869	1905	1941	1978	2014	2049	2086	2121	2157	2194	2229	2266	2301	2337	2374	2409	2446
2300	1696	1734	1771	1806	1842	1879	1915	1951	1986	2022	2059	2094	2131	2166	2202	2239	2274	2310	2346	2383	2419	2454	2489
2400	1742	1777	1813	1849	1886	1921	1957	1993	2029	2065	2101	2137	2174	2209	2245	2281	2317	2354	2389	2425	2460	2497	2534
2500	1753	1792	1830	1866	1903	1939	1976	2011	2047	2083	2119	2155	2191	2227	2264	2299	2335	2370	2407	2444	2479	2515	2550
2600	1830	1870	1911	1952	1992	2032	2073	2113	2154	2195	2235	2275	2316	2357	2397	2437	2478	2518	2560	2600	2639	2681	2721
2700	1906	1949	1988	2029	2041	2081	2121	2162	2202	2243	2284	2324	2364	2405	2446	2486	2524	2566	2606	2646	2687	2727	2768
2800	1984	2027	2069	2109	2151	2194	2235	2276	2319	2361	2403	2446	2487	2529	2570	2612	2655	2696	2739	2781	2821	2865	2906
2900	2118	2163	2208	2253	2298	2343	2388	2432	2478	2522	2568	2612	2658	2702	2748	2792	2838	2882	2928	2973	3018	3063	3108
3000	2139	2184	2229	2274	2319	2364	2409	2454	2498	2543	2589	2633	2679	2723	2768	2813	2858	2903	2948	2993	3038	3083	3128
3100	2160	2205	2250	2295	2339	2385	2429	2475	2519	2565	2609	2655	2699	2745	2789	2835	2879	2925	2969	3014	3059	3104	3150
3200	2181	2226	2271	2316	2361	2406	2451	2496	2541	2585	2631	2675	2721	2766	2811	2856	2901	2946	2991	3036	3081	3126	3171
3300	2202	2247	2293	2337	2383	2427	2473	2518	2562	2606	2652	2696	2742	2786	2832	2876	2921	2966	3011	3056	3101	3146	3191
3400	2223	2268	2313	2358	2403	2448	2492	2538	2582	2628	2672	2718	2762	2808	2852	2898	2943	2988	3033	3078	3123	3167	3213
3500	2244	2289	2334	2379	2424	2470	2514	2560	2604	2650	2694	2739	2784	2829	2874	2919	2964	3009	3054	3099	3144	3189	3233



***Please note:**
See page 35 for bunching sizes

OPTIONS

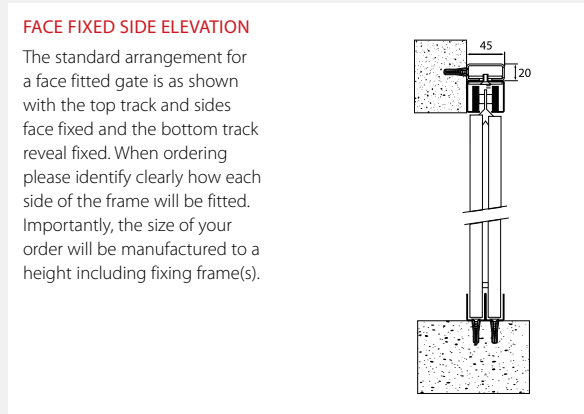
Folding bottom track*	£42.23 per sash
Fixed Panel	Trade discount increased 5%
Removable bottom track	£42.69
Reinforced locking (3 or 4 point)	£56.58
Hinge aside (add lift up bottom track if required)	£120.45 per sash
Additional blank key	£4.32
Handle with fixings (one per sash supplied as standard)	£7.05 each
Reinforced top/bottom track for face fitting	£17.53 per m (45 x 20 mm section)
Floating sash	£105.42
Bottom running	£7.05 per gate
Low profile T track (silver anodised only)	no cost option
Lock post to suit Euro profile lock	no cost option (without lock)
Half cylinder Euro profile lock	£10.01 fitted
Full cylinder Euro profile lock	£19.80 fitted
Slam lock and post	£85.38
Available component parts	
Top track per metre	Code: YGA430S0 £14.45 per linear metre
Bottom track W per metre	Code: YGA021S0 £14.80 per linear metre
Replacement lock	Code: YGA133L0 £35.17 (specify keyed alike/different)
Lock post	Code: YGA031S0 £4.55 per metre



***Please note:** Folding tracks with a length of 600 mm or more are supplied with a retaining pin as standard. This is located between 488 mm and 568 mm from the ground regardless of track length. The retaining pin projects 60 mm beyond the lock post when the track is lowered and 30 mm when raised. If the width of the gate is greater than the height check that there will be sufficient room for the bottom track to fold up into.

There is an extra lead time for component gate sections, please call **01524 772400** for details.

SeceuroGuard 1000 can be supplied in Band A & B colours at no extra charge. See page 68 for further details. For external applications, a dark colour is recommended.



Retractable Security Gates

Height (mm)	Minimum width for double sash																				Width (mm)																				Single sash max									
	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000									
1000	379	401	423	450	475	497	519	540	562	584	605	628	649	672	693	714	738	760	782	808	833	856	878	899	921	943	966	988	1010	1031	1054	856	878	899	921	943	966	988	1010	1031	1054									
1100	402	425	453	479	504	529	555	581	602	628	655	677	701	727	755	774	800	827	851	878	904	928	954	977	1003	1030	1052	1094	1120	1144	1170	928	954	977	1003	1030	1052	1094	1120	1144	1170									
1200	407	435	464	489	510	539	567	587	614	640	670	696	718	746	773	796	823	852	878	895	927	954	977	1024	1037	1062	1095	1184	1202	1223	1256	954	977	1024	1037	1062	1095	1184	1202	1223	1256									
1300	435	464	493	518	541	571	600	623	653	681	710	738	765	794	822	849	877	904	932	959	985	1067	1097	1125	1150	1179	1211	1222	1261	1280	1310	1067	1097	1125	1150	1179	1211	1222	1261	1280	1310									
1400	484	515	544	571	598	628	657	691	718	748	782	812	842	874	904	935	966	996	1025	1075	1105	1137	1167	1196	1229	1259	1289	1322	1350	1380	1413	1137	1167	1196	1229	1259	1289	1322	1350	1380	1413									
1500	500	532	562	592	625	653	683	717	748	782	812	842	874	905	939	969	1000	1051	1084	1115	1146	1179	1212	1241	1272	1305	1339	1369	1399	1431	1460	1179	1212	1241	1272	1305	1339	1369	1399	1431	1460									
1600	519	550	581	615	651	681	712	746	782	812	842	874	904	939	974	1004	1034	1105	1124	1153	1185	1219	1256	1284	1314	1350	1387	1415	1447	1478	1508	1219	1256	1284	1314	1350	1387	1415	1447	1478	1508									
1700	548	581	614	651	687	718	751	788	825	857	891	921	954	988	1025	1076	1111	1146	1184	1215	1250	1284	1322	1353	1388	1422	1460	1492	1527	1560	1594	1284	1322	1353	1388	1422	1460	1492	1527	1560	1594									
1800	575	611	648	683	721	758	794	830	867	904	940	973	1004	1059	1095	1131	1167	1205	1241	1277	1313	1350	1387	1422	1460	1497	1533	1569	1604	1643	1679	1350	1387	1422	1460	1497	1533	1569	1604	1643	1679									
1900	605	645	683	721	761	796	831	874	914	913	948	986	1021	1075	1115	1153	1192	1229	1267	1306	1344	1380	1420	1457	1497	1534	1572	1609	1650	1689	1725	1763	1420	1457	1497	1534	1572	1609	1650	1689	1725	1763								
2000	635	678	718	758	795	834	874	914	956	994	1033	1088	1132	1170	1212	1250	1288	1330	1374	1413	1448	1487	1526	1568	1613	1650	1686	1731	1772	1809	1849	1487	1526	1568	1613	1650	1686	1731	1772	1809	1849									
2100	675	718	764	803	847	885	927	970	1014	1052	1093	1151	1192	1235	1279	1320	1361	1404	1448	1488	1531	1570	1614	1652	1694	1735	1777	1821	1864	1959	2001	1570	1614	1652	1694	1735	1777	1821	1864	1959	2001									
2200	717	762	805	852	894	939	982	1029	1071	1111	1150	1231	1258	1302	1344	1390	1435	1478	1524	1568	1613	1657	1701	1739	1779	1824	1868	1966	2010	2056	2100	1657	1701	1739	1779	1824	1868	1966	2010	2056	2100									
2300	736	783	830	875	918	965	1007	1055	1101	1142	1202	1256	1292	1339	1385	1430	1475	1517	1561	1609	1657	1701	1744	1785	1828	1931	1977	2022	2065	2109	2154	1701	1744	1785	1828	1931	1977	2022	2065	2109	2154									
2400	757	805	855	899	944	988	1031	1080	1149	1193	1237	1280	1326	1376	1425	1469	1512	1559	1602	1651	1701	1744	1788	1834	1932	1981	2031	2074	2119	2164	2208	1744	1788	1834	1932	1981	2031	2074	2119	2164	2208									
2500	786	830	877	921	968	1015	1060	1125	1184	1202	1249	1292	1335	1385	1432	1478	1524	1570	1617	1663	1713	1757	1799	1901	1947	1995	2044	2089	2135	2180	2227	1757	1799	1901	1947	1995	2044	2089	2135	2180	2227									
2600	804	849	892	943	990	1040	1110	1159	1207	1258	1306	1350	1395	1443	1492	1542	1591	1642	1689	1739	1788	1888	1932	1981	2031	2079	2129	2179	2227	2326	1888	1932	1981	2031	2079	2129	2179	2227	2326											
2700	838	887	936	984	1036	1105	1159	1207	1259	1308	1358	1407	1453	1507	1560	1609	1660	1709	1761	1809	1915	1963	2015	2065	2115	2165	2216	2269	2320	2371	2421	1963	2015	2065	2115	2165	2216	2269	2320	2371	2421									
2800	874	924	974	1027	1076	1151	1207	1259	1310	1361	1413	1462	1513	1569	1625	1678	1727	1779	1831	1935	1987	2044	2098	2150	2200	2252	2302	2360	2416	2467	2518	2044	2098	2150	2200	2252	2302	2360	2416	2467	2518									
2900	897	953	1010	1063	1171	1226	1289	1348	1403	1460	1516	1569	1624	1682	1742	1799	1855	1914	2006	2077	2132	2190	2251	2307	2363	2420	2467	2520	2579	2633	2689	2190	2251	2307	2363	2420	2467	2520	2579	2633	2689									
3000	940	980	1036	1089	1196	1251	1314	1371	1430	1486	1542	1595	1650	1708	1769	1825	1881	1936	2031	2101	2156	2216	2274	2333	2389	2446	2492	2546	2603	2658	2714	2216	2274	2333	2389	2446	2492	2546	2603	2658	2714									

Available lock positions – only one lock per gate, indicate which position is required on the order form.

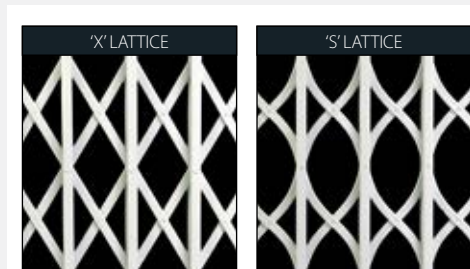
Please note: Lowest lock position not available with bottom folding track

COMMON APPLICATIONS

Internal medium to high security domestic and selected commercial and retail applications. Made to measure in powder coated pre-galvanised steel.

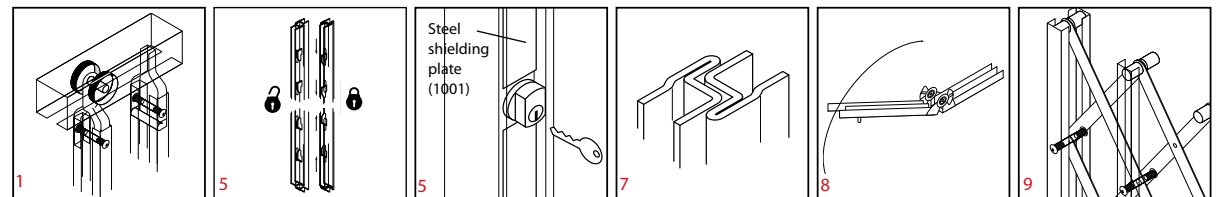
CONSTRUCTION

Lattice
High grade steel in 'X' lattice as standard and 'S' lattice as an option. Weight 19 kgm2 nominal



GENERAL ARRANGEMENT

- 1 Top hung on nylon coated steel bearings
- 2 All galvanised steel construction
- 3 Powder coating in a range of colours
- 4 Fits within or around the reveal
- 5 4 point locking from a single key with the lock mechanism shielded by a steel plate
- 6 Strong steel lattice with smooth durable finish
- 7 Overlapped locking profiles
- 8 Optional folding bottom track
- 9 The 1001 has a specially designed lattice assembly system utilising high grade steel screws (patented).



1001 INSTALLATION CRITERIA

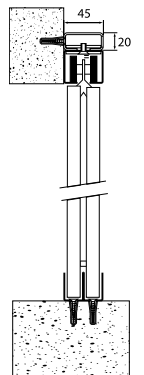
The validity of the LPCB certification is contingent upon each security gate being installed in accordance with the requirements of LPS 1175.

- Reveal or face installation
- Min fixing distance from edge of reveal 50 mm
- Max fixing distance from any corner 100 mm
- Max distance between fixing 400 mm
- All fixing heads spoiled:

Masonry	2.5" x 12s
Wood	4.0" x 12s
Steel	1.0" xM8s

FACE FIXED SIDE ELEVATION

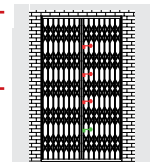
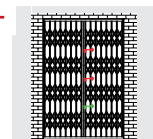
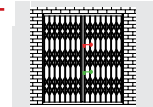
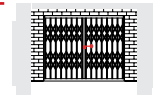
The standard arrangement for a face fitted gate is as shown with the top track and sides face fixed and the bottom track reveal fixed. When ordering please identify clearly how each side of the frame will be fitted. Importantly, the size of your order will be manufactured to a height including fixing frame(s).





Width (mm) All gates 4m wide and above will be supplied with split sashes and split tracks

Height (mm)	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000
1000	1105	1128	1150	1171	1193	1215	1237	1259	1280	1303	1311	1320	1329	1357	1368	1407	1415	1425	1472	1482
1100	1194	1219	1244	1269	1296	1322	1348	1371	1397	1422	1505	1588	1597	1645	1655	1703	1712	1721	1778	1798
1200	1279	1308	1340	1361	1384	1404	1426	1448	1470	1492	1569	1645	1655	1703	1721	1770	1778	1788	1845	1865
1300	1340	1370	1399	1430	1458	1487	1516	1544	1574	1603	1658	1712	1721	1770	1778	1827	1836	1855	1912	1931
1400	1443	1475	1505	1535	1568	1598	1629	1660	1690	1723	1746	1770	1778	1827	1845	1893	1903	1912	1980	1999
1500	1490	1522	1552	1585	1616	1646	1678	1708	1739	1770	1799	1827	1836	1893	1903	1960	1970	1980	2046	2065
1600	1539	1570	1602	1633	1663	1694	1725	1757	1788	1818	1851	1885	1903	1951	1970	2018	2038	2046	2113	2133
1700	1625	1659	1690	1724	1757	1790	1824	1855	1889	1922	2042	2161	2171	2237	2247	2314	2333	2343	2428	2438
1800	1715	1751	1788	1825	1862	1897	1933	1971	2007	2044	2132	2218	2228	2295	2314	2382	2390	2409	2496	2505
1900	1799	1836	1927	1962	2000	2037	2072	2109	2145	2182	2229	2275	2295	2362	2382	2448	2457	2477	2563	2572
2000	1941	1980	2018	2056	2095	2134	2171	2209	2247	2287	2310	2333	2353	2420	2438	2505	2523	2543	2630	2638
2100	2044	2087	2128	2169	2210	2253	2296	2337	2380	2421	2456	2501	2519	2596	2610	2687	2705	2725	2816	2830
2200	2143	2187	2231	2274	2318	2363	2407	2451	2493	2538	2603	2668	2687	2773	2783	2869	2887	2906	3004	3022
2300	2199	2243	2287	2330	2374	2417	2460	2506	2548	2593	2659	2725	2745	2830	2849	2936	2946	2965	3069	3088
2400	2252	2296	2338	2383	2426	2472	2515	2559	2602	2645	2719	2791	2811	2887	2906	2993	3012	3032	3136	3156
2500	2272	2317	2361	2405	2448	2492	2537	2580	2625	2667	2758	2849	2869	2955	2974	3060	3080	3099	3203	3222
2600	2375	2425	2474	2523	2572	2622	2671	2720	2771	2818	2863	2906	2926	3012	3032	3127	3146	3165	3271	3289
2700	2472	2482	2534	2581	2631	2680	2728	2780	2828	2877	2921	2965	2985	3080	3099	3185	3214	3233	3337	3357
2800	2567	2619	2670	2720	2772	2821	2874	2926	2975	3027	3134	3242	3261	3367	3387	3482	3510	3528	3643	3663
2900	2744	2797	2852	2907	2962	3017	3072	3126	3181	3236	3267	3300	3318	3424	3442	3548	3568	3596	3710	3730
3000	2767	2821	2877	2931	2987	3041	3096	3151	3206	3260	3308	3357	3387	3482	3510	3615	3635	3653	3777	3796



*Please note:
See page 35 for
bunching sizes

Insurance approved

Tested and approved to Loss Prevention Standard (LPS) 1175 security Rating 1 by the Loss Prevention Certification Board (LPCB) the UK's leading independent certification body covering products, installers and installations in the fire and security sectors.

Enhanced burglary protection is achieved through the use of an advanced 4 point locking system and unique patented assembly system. The validity of LPCB certification is contingent upon each gate being installed in accordance with the requirements of LPS 1175.



THIS PRODUCT CAN BE POWDER COATED
See page 68

SeceuroGuard 1001 can be supplied in BAND A & B colours at no extra charge. See page 68 for further details. For external applications a dark colour is recommended.

OPTIONS

Folding bottom track*	£42.23 per sash
Fixed panel	Trade Discount increased 5%
Additional blank key	£4.32
Handle with fixings (one per sash supplied as standard)	£7.05 each
Reinforced top/bottom track for face fitting section	£17.53 per metre (45 x 20 mm)

* Please note: Folding tracks with a length of 600 mm or more are supplied with a retaining pin as standard. This is located between 488 mm and 568 mm from the ground regardless of track length. The retaining pin projects 60 mm beyond the lock post when the track is lowered and 30 mm when raised.

Available component parts

Top track per metre	Code: YGA430S0	£14.45 per linear metre
Bottom track 'W' per metre	Code: YGA021S0	£14.80 per linear metre
Replacement lock	Code: YGA133L0	£35.17 (specify keyed alike/different)

SPECIAL LPCB RESTRICTIONS

Maximum Height	3000 mm
Minimum Height	1000 mm*
Maximum Width (bi-parting)	6000 mm
Maximum Width (single sash)	3000 mm
Minimum Width (bi-parting)	1000 mm
Minimum Width (single sash)	500 mm

SWS UK reserve the right to undertake installation spot checks, in the interest of both trade customer and end user.

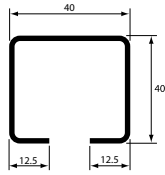
All approved gates carry a label detailing the manufacturer, test standard and rating.

Please note: SeceuroGuard 1001 is NOT available with the hinge aside option, bottom running option, split top bottom tracks, removable bottom track or split sashes'

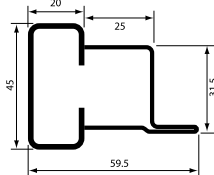
SeceuroGuard 1000 Bunch Sizes

Bunch Sizes

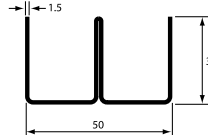
All clear opening sizes for single sash gates allow for the slam post. For hinge aside gates or folding bottom tracks, the bunch size is increased by a further 60 mm per sash



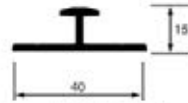
Top Track



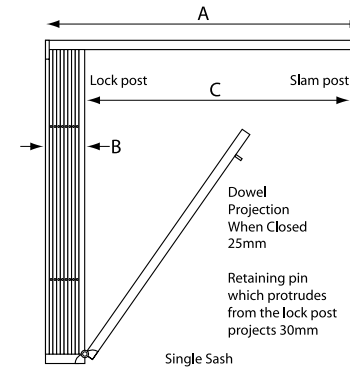
Single Sash Slam Post



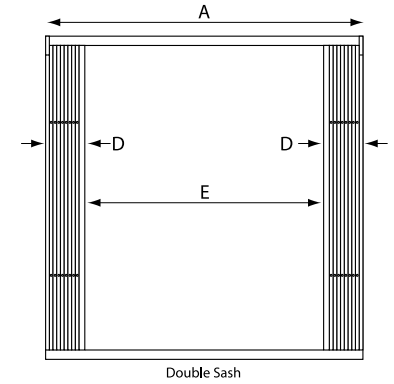
Bottom "W" Track



Bottom "T" Track



Single Sash

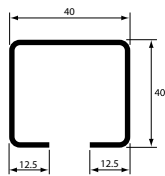


Double Sash

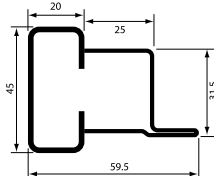
SeceuroGuard 1001 Bunch Sizes

Bunch Sizes

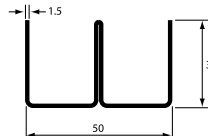
All clear opening sizes for single sash gates allow for the slam post.



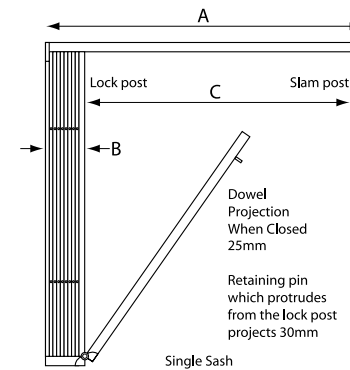
Top Track



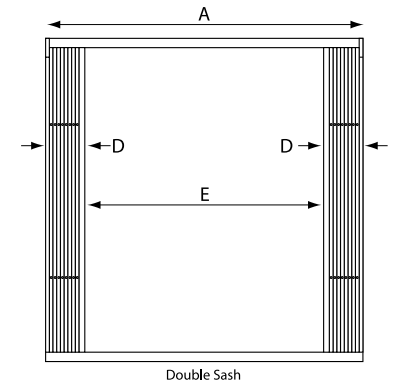
Single Sash Slam Post



Bottom "W" Track



Single Sash



Double Sash

SeceuroGuard 1000 & 1001 Bunch Sizes

Gates upto 2359 mm Overall Height					2360 - 3059 mm Overall Height					Gates over 3059 mm Overall Height				
OVERALL WIDTH (mm)	SINGLE SASH		DOUBLE SASH		OVERALL WIDTH (mm)	SINGLE SASH		DOUBLE SASH		OVERALL WIDTH (mm)	SINGLE SASH		DOUBLE SASH	
	SINGLE SASH BUNCH (mm)	CLEAR OPENING WIDTH (mm)	DOUBLE SASH BUNCH (mm)	CLEAR OPENING WIDTH (mm)		SINGLE SASH BUNCH (mm)	CLEAR OPENING WIDTH (mm)	DOUBLE SASH BUNCH (mm)	CLEAR OPENING WIDTH (mm)		SINGLE SASH BUNCH (mm)	CLEAR OPENING WIDTH (mm)	DOUBLE SASH BUNCH (mm)	CLEAR OPENING WIDTH (mm)
250	110	78	110	30	250	110	78	94	62	250	110	78	94	62
300	110	128	110	80	300	110	128	94	112	300	110	128	94	112
350	110	178	110	130	350	110	178	94	162	350	110	178	94	162
400	126	212	110	180	400	126	212	110	180	400	126	212	110	180
450	126	262	110	230	450	126	262	110	230	450	126	262	110	230
500	142	296	110	280	500	142	296	110	280	500	142	296	110	280
600	142	396	110	380	600	142	396	110	380	600	142	396	110	380
700	158	480	126	448	700	158	480	126	448	700	158	480	126	448
800	174	564	126	548	800	174	564	126	548	800	174	564	126	548
900	190	648	142	616	900	190	648	142	616	900	190	648	142	616
1000	190	748	142	716	1000	190	748	142	716	1000	190	748	142	716
1100	206	832	142	816	1100	206	832	142	816	1100	206	832	142	816
1200	222	916	158	884	1200	222	916	158	884	1200	222	916	158	884
1300	238	1000	158	984	1300	254	984	158	984	1300	254	984	158	984
1400	238	1100	158	1084	1400	254	1084	158	1084	1400	254	1084	158	1084
1500	254	1184	174	1152	1500	270	1168	174	1152	1500	270	1168	174	1152
1600	270	1268	174	1252	1600	286	1252	174	1252	1600	286	1252	174	1252
1700	286	1352	190	1320	1700	302	1336	190	1320	1700	302	1336	190	1320
1800	302	1436	190	1420	1800	318	1420	190	1420	1800	318	1420	190	1420
1900	302	1536	190	1520	1900	318	1520	190	1520	1900	318	1520	190	1520
2000	334	1604	206	1588	2000	334	1604	206	1588	2000	350	1588	222	1556
2100	350	1688	206	1688	2100	350	1688	206	1688	2100	366	1672	222	1656
2200	366	1772	222	1756	2200	366	1772	222	1756	2200	382	1756	238	1724
2300	366	1872	222	1856	2300	366	1872	222	1856	2300	382	1856	238	1824
2400	382	1956	222	1956	2400	382	1956	222	1956	2400	398	1940	238	1924
2500	398	2040	238	2024	2500	398	2040	254	1992	2500	414	2024	254	1992
2600	414	2124	238	2124	2600	414	2124	254	2092	2600	430	2108	254	2092
2700	414	2224	238	2224	2700	414	2224	254	2192	2700	430	2208	254	2192
2800	430	2308	254	2292	2800	446	2292	270	2260	2800	446	2292	270	2260
2900	446	2392	254	2392	2900	462	2376	270	2360	2900	462	2376	270	2360
3000	462	2476	270	2460	3000	478	2460	286	2428	3000	478	2460	286	2428
3100	478	2560	270	2560	3100	494	2544	286	2528	3100	510	2528	286	2528
3200	478	2660	270	2660	3200	494	2644	286	2628	3200	510	2628	286	2628
3300	494	2744	286	2728	3300	510	2728	302	2696	3300	526	2712	302	2696
3400	510	2828	286	2828	3400	526	2812	302	2796	3400	542	2796	302	2796
3500	526	2912	302	2896	3500	542	2896	318	2864	3500	558	2880	318	2864
3600	526	3012	302	2996	3600	542	2996	318	2964	3600	558	2980	318	2964
3700	542	3096	302	3096	3700	558	3080	318	3064	3700	574	3064	318	3064
3800	558	3180	334	3132	3800	574	3164	334	3132	3800	590	3148	334	3132
3900	574	3264	334	3232	3900	590	3248	334	3232	3900	606	3232	334	3232
4000	574	3364	334	3332	4000	590	3348	334	3332	4000	606	3332	334	3332
4100	606	3432	350	3400	4100	606	3432	350	3400	4100	622	3416	366	3368
4200	622	3516	350	3500	4200	638	3500	350	3500	4200	654	3484	366	3468
4300	638	3600	366	3568	4300	654	3584	366	3568	4300	670	3568	382	3536
4400	654	3684	366	3668	4400	670	3668	366	3668	4400	686	3652	382	3636
4500	654	3784	366	3768	4500	670	3768	366	3768	4500	686	3752	382	3736
4600	670	3868	382	3836	4600	686	3852	382	3836	4600	702	3836	398	3804
4700	686	3952	382	3936	4700	702	3936	382	3936	4700	718	3920	398	3904
4800	702	4036	398	4004	4800	718	4020	398	4004	4800	734	4004	414	3972
4900	702	4136	398	4104	4900	718	4120	398	4104	4900	734	4104	414	4072
5000	718	4220	398	4204	5000	734	4204	398	4204	5000	750	4188	414	4172
5100	734	4304	414	4272	5100	750	4288	414	4272	5100	766	4272	430	4240
5200	750	4388	414	4372	5200	766	4372	414	4372	5200	798	4340	430	4340
5300	750	4488	414	4472	5300	766	4472	414	4472	5300	798	4440	430	4440
5400	766	4572	430	4540	5400	782	4556	446	4508	5400	814	4524	446	4508
5500	782	4656	430	4640	5500	798	4640	446	4608	5500	830	4608	446	4608
5600	798	4740	446	4708	5600	830	4708	462	4676	5600	846	4692	462	4676
5700	814	4824	446	4808	5700	846	4792	462	4776	5700	862	4776	462	4776
5800	814	4924	446	4908	5800	846	4892	462	4876	5800	862	4876	462	4876
5900	830	5008	462	4976	5900	862	4976	478	4944	5900	878	4960	478	4944
6000	846	5092	462	5076	6000	878	5060	478	5044	6000	894	5044	478	5044

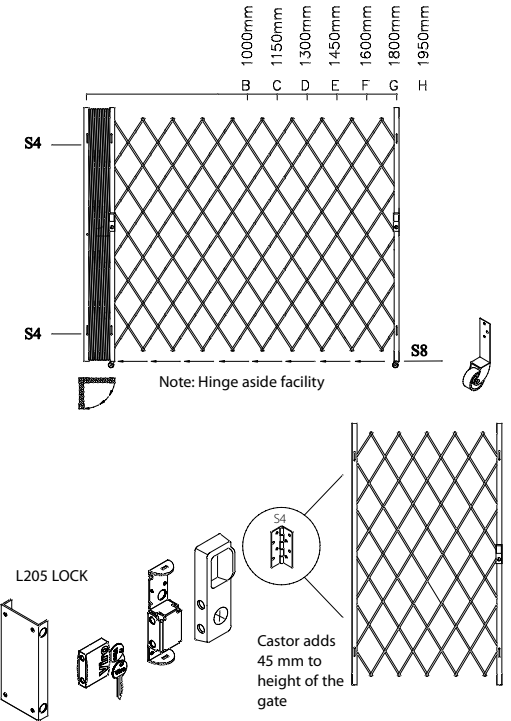
Xpanda Saftidor If lock required see below	Stack size	Width (mm)	Height (mm)	Minimum height available after cut down*	Sales code	Price (£) locks, tracks and brackets not included	Weight (kgs)
TYPE B	130	1000	2000	1620	YSD 90x200	£220.52	16
TYPE C	140	1150	2000	1620	YSD 115x200	£256.72	18
TYPE D	155	1300	2000	1620	YSD 130x200	£283.05	20
TYPE E	170	1450	2000	1620	YSD 145x200	£300.60	22
TYPE F	185	1600	2000	1620	YSD 160x200	£320.35	24
TYPE G	200	1800	2000	1620	YSD 180x200	£345.59	25
TYPE H	215	1950	2000	1620	YSD 195x200	£369.72	28
TYPE C	1150	2500	1620	1620	YSD 115x250	£450.91	25
TYPE D	1300	2500	1620	1620	YSD 130x250	£500.27	28
TYPE E	1450	2500	1620	1620	YSD 145x250	£547.45	31
TYPE F	1600	2500	1620	1620	YSD 160x250	£565.00	34

L205B lock pack keyed alike (incl. L205C bracket for face fix)	YSD I205B*	£48.97
L205B lock pack keyed different (incl. L205C bracket for face fix)	YSD I205B	£48.97
Blank keys for L205B	YSD I205	£6.67
Lock and accessory pack – XP1 – Saftidor Single sash	YSD XP1	£75.68
Lock and accessory pack – XP2 – Saftidor Double sash	YSD XP2	£97.94

Saftidor accessories	Sales code	Price (£)
S8 Saftidor castor (recommended with doors C to H)	YSD S8	£11.66
S9 Carpet cover plate	YSD S9	£3.49
Saftidor Handle	YMG530	£4.66
General accessories	Sales code	Price (£)
S3 "L" Bracket 40mm x 70mm	YSD S3	£4.66
S4 Butt hinge (per pair)	YSD S4	£3.49
S10 Hanger roller	YSD S10	£4.66
S13 Top Track 2 metre	YSD S13*	£54.53
S13 Top Track 3 metre	YSD S13*	£82.36
S25 Shootbolt	YSD S25	£18.92
S35 Double Locking "T" Bracket	YSD S35	£14.46
S36 Locking "U" Bracket	YSD S36	£8.90
Lock Keep	YSDL205D	£7.79
Cut down charge		£46.64

*Top track is supplied in 2 and 3 metre lengths only.

XP1 Saftidor – Single sash	XP2 Saftidor – Double sash
1 no L205B LOCK PACK	1 no L205B LOCK PACK
2 no S36 'U' brackets	2 no S36 'U' brackets
1 no S8 castor	2 no S8 castor
	1 no S25 shoot bolt
	1 no S9 carpet cover plate



COMMON APPLICATIONS

Internal medium security trackless gate system with appealing diamond lattice aesthetic. Available 'off the shelf' as an ideal solution for projects requiring a fast turnaround.

CONSTRUCTION

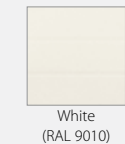
Lattice
12.7 x 12.7 x 0.9 mm tubular white epoxy coated cold rolled steel lattice set into 38 mm steel "U" channels by use of pivot pins.

Saftidors and Saftiwindows bunch up to approximately 15% of their overall width.

Please note:

- The Saftidor is a diamond mesh collapsible gate, available in 7 standard widths and 2 heights (2 metres & 2.5 metres).
- Top Tracks are not supplied as standard but they are available as an optional extra in either a 2 or 3 metre length.
- Security can be enhanced with the addition of certain brackets (see above).
- Saftidors can be cut down in height for an extra charge (see above).
- The sashes come supplied as standard with a pair of hinges and are finished in white. Add price of lock or lock pack as required.
- The S8 castor is recommended on all widths of 1150 mm and above. If you require an S8 castor please ensure you allow 45 mm for the height of the castor wheel when calculating for fitting the Saftidor within a reveal.

Standard off the shelf colour



S3 "L" BRACKET
Used to fix Saftidors to frames when required to be spaced away from the door (due to large handle etc). Also for mounting tracks, fitting on inside of existing doors to to hinge doors to swing 180 degrees.

Gauge: 3 mm
Size: 40 x 70 mm

S8 SAFTIDOR CASTOR
Recommender for all Saftidors from size C to H. Fits in leading channel to support and align lock with lock keep.

Gauge: 2 mm
Size: 30 x 33 x 137 mm

S9 CARPET COVER PLATE
When using a shoot bolt through a carpet prevents damage to carpet and finishes.

Gauge: 3 mm
Size: 50 mm diam.

S25 SHOOT BOLT
Lockable shoot bolt used for various fittings but primarily for securing Saftidors when joining 2 or more gates together.

Gauge: 3 mm
Size: 199 x 40 mm

S35 DOUBLE LOCKING "T" BRACKET
Used for centre locking bi-parting Saftidors. Gives added rigidity and extra strength.

Gauge: 2 mm
Size: 72 x 45 x 113 mm

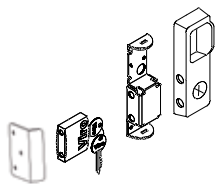
S36 "U" BRACKET
For locking two Saftidors together for added rigidity and extra strength.

Gauge: 2 mm
Size: 115 x 25 x 45 mm

Xpanda Saftiwindow If lock required add £11.00	Width (mm)	Height (mm)	Minimum height available after cut down*	Sales code	Price (£)	Weight (kgs)
WB2	900	850	no cut down	YSW 90x85	£130.56	8
WD2	1200	850	no cut down	YSW 120x85	£156.89	9
WB3	900	1000	810	YSW 90x100	£142.62	8
WD3	1200	1000	810	YSW 120x100	£187.60	11
WB4	900	1150	820	YSW 90x115	£176.63	9
WD4	1200	1150	820	YSW 120x115	£227.10	12
WB5	900	1300	810 (a)	YSW 90x130	£199.67	10
WD5	1200	1300	810 (a)	YSW 120x130	£250.13	14
WB6	900	1450	810 (b)	YSW 90x145	£256.72	11
WD6	1200	1450	810 (b)	YSW 120x145	£306.09	15

- (a) Please note due to the position of the rivet on the sash we are unable to cut between 45 mm and 65 mm at the top and bottom of the sash.
- (b) Please note due to the position of the rivet on the sash we are unable to cut between 120 mm and 140 mm at the top and bottom of the sash.

Saftiwindow accessories / options	Sales code	Price (£)
L100 Saftiwindow Slam Lock	YSW L100	£48.27
Cut down charge		£46.64
Lock & accessory pack - XP3 - Single	YSW XP3	£51.56
Lock & accessory pack - XP4 - Double	YSW XP4	£78.99



L100 (SMALL) LOCK

*Please see general accessories listed on page 36 for accessories which are suitable for both Saftidors and Saftiwindows.

Please note:

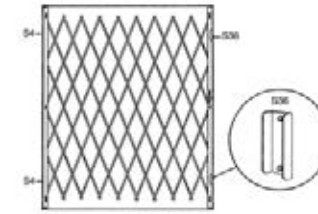
- Saftiwindows are available in 2 widths and 5 heights, and like the Saftidor it can be used in a double sash format which correspondingly doubles the width options.
- Security can be enhanced with the addition of certain brackets. The sashes are supplied as standard with a pair of hinges and finished in white. Add price of lock or lock pack as required.
- Saftiwindows can be cut down in height for an extra charge.
- Top Tracks are not supplied as standard but they are available as an optional extra in either a 2 or 3 metre length.
- L100 locks are required with every Saftiwindow, unless the sash is being fitted as a fixed panel system. These locks can be supplied keyed alike.



Gauge:
1.6 mm
Size:
112 x 19 x
19 mm

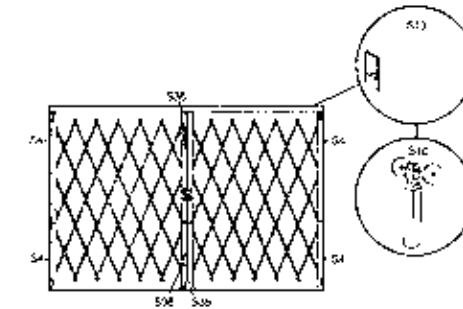
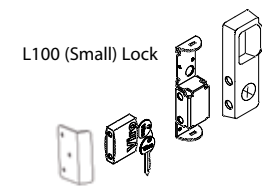
S10 SAFTIWINDOW / SAFTIDOR HANGER ROLLER

When hanging Saftiwindows or Saftidors using the top track, this roller is fitted into the top of the channel allowing the Saftidor/Saftiwindow to slide to the side. Option when two doors locking together.



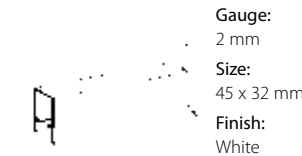
SINGLE SASH SAFTIWINDOW

Using the S36 brackets above and below the lock that the channel is secured top and bottom.



DOUBLE SASH SAFTIWINDOW

Using top track makes Saftidor and Saftiwindow very easy to fold to the side. Cutting the top track short in width allows the sash to drop out of track, allowing it to hinge to one side when fitted with the S4 butt hinges.



Gauge:
2 mm
Size:
45 x 32 mm
Finish:
White

S13 TOP TRACK

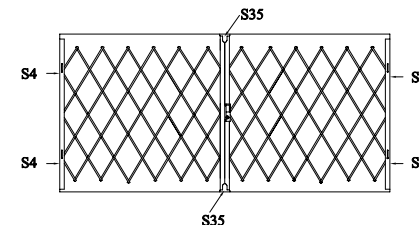
Aluminium top track for Saftiwindows and Saftidors.



Gauge:
2 mm
Size:
72 x 45 x
113 mm

S35 DOUBLE LOCKING "T" BRACKET

Used for centre locking bi-parting Saftidors. Gives added rigidity and extra strength.

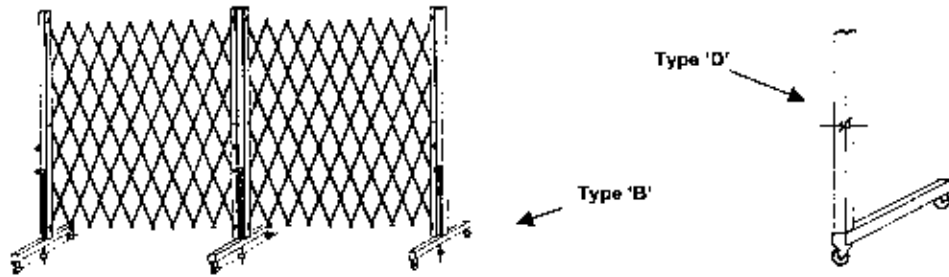


Using two S35 "T" brackets ensures absolute rigidity in the centre.

Saftidor Trackless Barrier System

Trolley	Sales code	Price (£)
Saftidor trolley type "B" + shoot bolt	YSD TROLLEY B	£156.89
Saftidor trolley type "D" (required where 2 Saftidors meet at 90 degrees to each other)	YSD TROLLEY D	£125.06

- The system is completely trackless (no top or bottom track), operates on a series of steel trolleys and can be completely mobile.
- The system can span any width.
- The standard heights of Saftidors available are 2 m and 2.5 m



Overview

COMMON APPLICATIONS

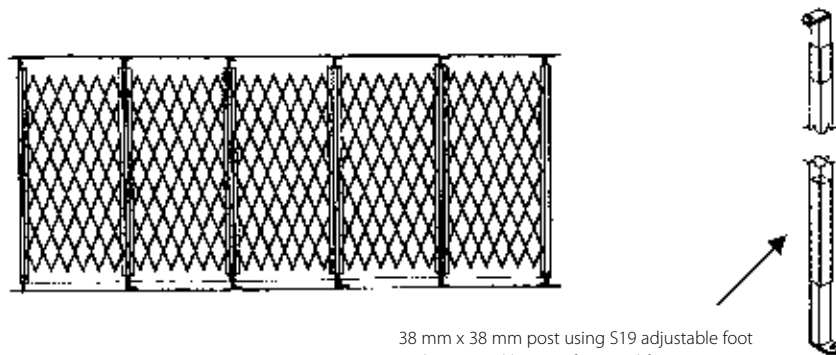
Can be used for barrier access for shopping centres, factory units, car parks, loading bays, function centres, warehouses, sports facilities, crowd control or simply for partitioning.

CONSTRUCTION

Saftidor units operating on a series of steel trolleys. See page 36 for Saftidor specification and prices.

Adjustable Post System

Post	Length	Sales code	Price (£)
S18 Post 38 mm x 38 mm	2 m	YXC S18	£38.40
S18 Post 38 mm x 38 mm	3 m	YXC S18*	£58.15
S19 Adjustable Foot	500 mm	YXC S19	£18.65
Spring loaded dust cover	n/a	YSLDC	£25.23



38 mm x 38 mm post using S19 adjustable foot at the top and bottom for reveal fixing.

Overview

COMMON APPLICATIONS

Free standing post system used when fitting a line of Saftidors / Saftiwindows to a large expanse of windows or openings where there are no fixings available to allow the product to be fitted in a continuous line.

CONSTRUCTION

38 mm x 38 mm hollow steel posts. Powder coated white. Available in either 2 m or 3 m lengths.

The S19 500 mm adjustable feet fit into the post top and bottom and can be fixed to the top and bottom of the opening.

Double Diamond Emergency Exit Saftidor

Width (mm)	Stack size (mm)	Height (mm)	Sales code	Price (£)	Weight (kgs)	Maximum cut down
1010	215	2000	YDD 101x200	£308.29	28	1840mm @ £50 1840 - 1600 mm @ £100
1330	260	2000	YDD 133x200	£378.50	34	1840mm @ £50 1840 - 1600 mm @ £100
1650	320	2000	YDD 165x200	£444.33	40	1840 mm @ £50 1840 - 1600 mm @ £100

Lock accessories	Sales code	Price (£)
S71A 2000 x 38 mm lock post/lock keep with internal thumbturn lock and external cylinder (Cannot be keyed alike)	YDD S71A	£220.52
S71C Lock protection plate	YDD S71C	£32.27
Heavy duty castor	YDD CASTOR	£8.90
L205B Lock pack	YSD L205B	£48.27
S36 Locking 'U' Bracket	YSD S36	£8.90

- Xpanda Double Diamond doors can be unlocked from inside the premises by means of a thumb-turn lock, ensuring a quick keyless exit in emergencies.
- There are no tracks and they hinge aside as standard if required.
- The tight diamond pattern combined with a lock protection plate is designed to prevent intruders from reaching through the lattices to unlock the gate.
- Particularly effective against 'smash and grab' raids.
- Can also be installed with the L205B lock pack in non emergency exit applications.

Overview

COMMON APPLICATIONS

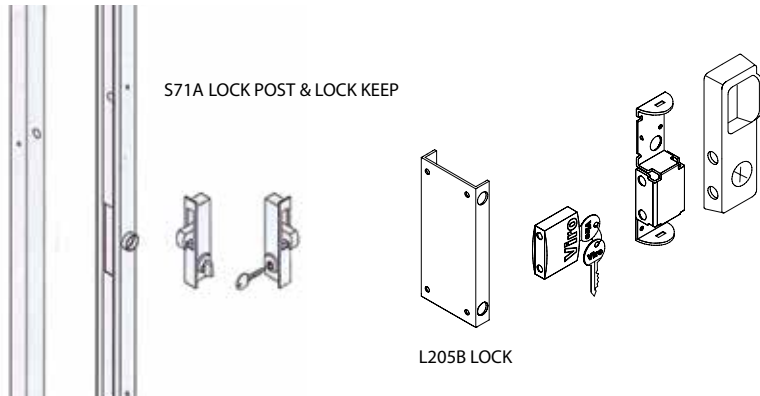
Specifically designed for securing emergency exit doors (always seek approval from the local fire officer) and vulnerable glass door entrances.

GOODSGUARD

Double Diamond can be fitted to any light commercial vehicle. **Please note:** any steel infill panels required are not available from SWS UK.

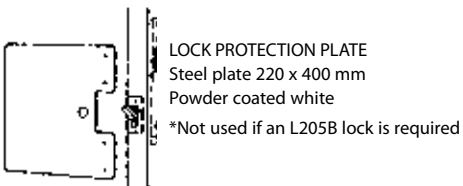
CONSTRUCTION

Tubular steel lattice powder coated white as standard.



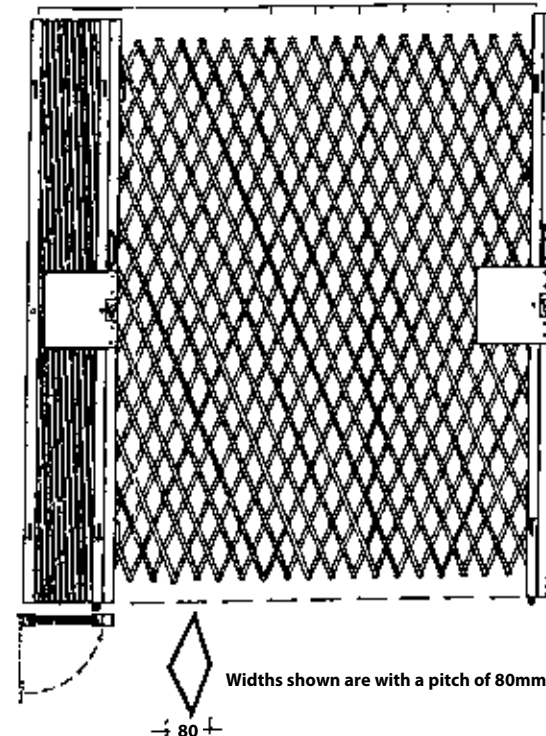
S71A LOCK POST & LOCK KEEP

L205B LOCK



LOCK PROTECTION PLATE
Steel plate 220 x 400 mm
Powder coated white

*Not used if an L205B lock is required



Widths shown are with a pitch of 80mm

* Please allow at least 60 mm for heavy duty castor wheel to sit under channel of door when surveying.

COMMON APPLICATIONS

APPLICATION GUIDE

The award winning SeceuroBar system uses tough powder-coated steel bars which are locked in place on the inside of windows, in either a vertical or horizontal format. Strong extruded aluminium retaining units secure each bar, yet the unique locking system means that they can be released in seconds.

SPECIFICATION AND SIZES

The maximum width available with single key operation is 3000 mm. However, wider openings can be accommodated with an additional lock and set of bars. The minimum width for removable bars is 250 mm. The maximum height available is 2100 mm when fitted with spreader bars which reduce bar deflection on taller applications and ease their removal. Openings up to 1500 mm in height can be accommodated without the use of spreader bars. The minimum height restriction is 200 mm. Each bar consists of a 19 mm steel outer tube with free-moving 15 mm steel inner tube. The bars are locked in place using a high security 10 pin radial camlock with 5 million + key combinations. The maximum number of SeceuroBar systems that can be keyed alike is 100. It is not possible for us to key alike orders to ones supplied previously. SeceuroBar is supplied in semi gloss white (RAL 9010) as standard, however other colours are available by quotation. On narrow, but high openings or doorways the system can be installed with the retaining units running vertically and steel bars horizontally. When mounting the bars horizontally the lock must always be fixed on the left hand side when viewed from inside looking out. SeceuroBar can be supplied with pre-powder coated aluminium packers to face fix the system to any wall. SeceuroBar removable window bars are designed to be fitted internally and under no circumstances are they to be installed externally.

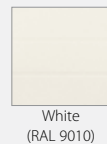
INSTALLATION

The system is designed to fit as close as possible to the window frame, this will avoid any cavity for dust and dirt to collect in. The top and bottom retaining units can be placed up to the window frame and the fixing positions marked with a pencil, the retaining units can then be removed and the appropriate size hole drilled. The minimum recommended fixing is 10 x 2" (50 mm) countersunk wood screws (see figure 1.). It is very important that countersunk screws are used, these will allow greater clearance in the top retaining unit. It is usually necessary to create a small recess directly below the lock position to allow the bottom fitment to seat correctly. For wider or horizontal bar applications the fixing plates can be secured within the retaining unit by using masking tape or a small amount of silicone sealer. (This will eliminate fixing plate movement). Before finally tightening the top and bottom retaining units the end caps should be moved out to the end of the opening, this will provide a neat and even finish to the system. The location of the fixing screw can be seen to the right.

OPERATION

SeceuroBar is operated by a single radial lock point. The key **must always be pressed** in before any key rotation is possible. All occupants of the building must be familiar with the operation of the system, and aware of the key's location.

STOCK COLOURS



Please note: the plastic end caps are only available in white.

ORDERING NOTE:

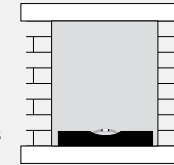
Ensure that tight reveal sizes (in particular the height) are given when ordering. Failure to do this could mean that the bars are cut too short for the opening compromising the level of security achieved.

HINTS & TIPS

SURVEYING

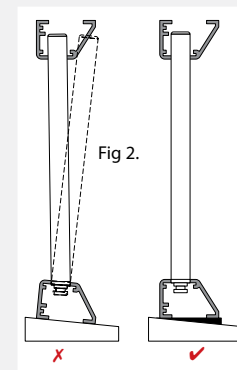
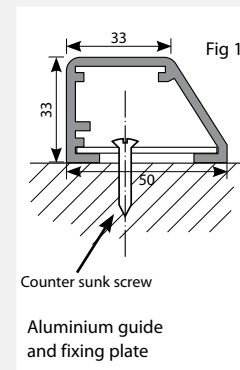
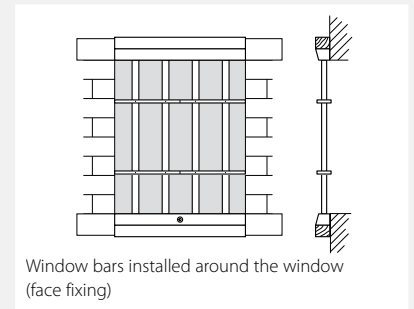
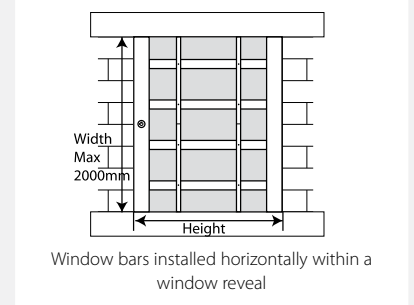
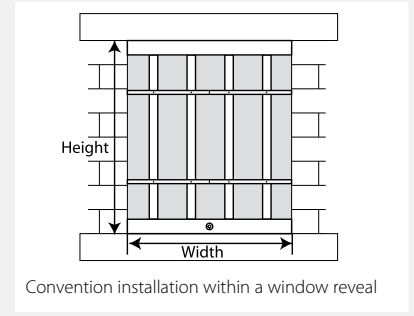
It is important to check during the survey that the opening is suitable for SeceuroBar. If the reveal construction is solid steel or a cavity then it would be better to face fix the system around the opening.

You must check that the reveal is straight and level, any deflection of the bottom retaining unit will cause the mechanism to stick. Packing strips can be used to make the reveal level.



If the reveal slopes inwards or outwards (see figure 2.), or the top retaining unit is not fitted directly above the bottom retaining unit, the sockets will not lock in the slider mechanism. The reveal should be levelled up with packing strips and re-measured.

When surveying for window bars which are fitted horizontally you must provide the width and height as shown in the diagram. The maximum width for a window bar fitted horizontally is 2000 mm. When mounting the bars horizontally the lock must always be on the left looking from the inside out.



WHAT ARE SPREADER BARS?

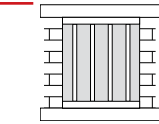
Spreader bars are used to reduce the deflection on taller applications and ease removal of the bars. Two rows of spreader bars are required on all bar systems above 1500 mm tall. The spreader bars should be fitted one quarter tube height from the top and bottom to give maximum rigidity. The spreader bars are to be fitted before they are located into the top and bottom retaining units. Fixing is by M5 8 mm grub screw with 2.5 mm allen head.

FACE FIXING AND HORIZONTAL OPERATION

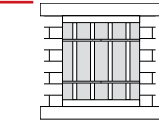
The system can be supplied (at additional cost) with pre powder coated 50 mm x 50 mm aluminium packers to face fix it to any wall. When mounting the bars horizontally the lock must always be fixed on the left hand side looking from inside out.

Width (mm)

Height (mm)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
800	200	205	210	221	232	244	259	271	286	298	305	323	329	346	360	373	384	396	410	423	436	449	459
900	204	210	221	234	244	261	275	289	301	314	326	339	350	366	379	392	404	418	433	443	459	472	485
1000	205	219	232	244	259	274	292	304	319	332	345	359	373	386	400	412	426	439	454	466	479	496	510
1100	217	241	245	261	278	294	309	325	341	356	369	386	403	416	431	445	463	475	491	507	523	538	555
1200	221	245	250	266	285	299	313	330	348	360	376	393	410	426	440	459	475	490	504	524	538	551	575
1300	234	252	266	285	301	318	332	350	368	384	401	418	435	454	469	489	503	521	538	555	573	589	605
1400	259	278	296	315	333	350	366	386	404	423	440	461	479	498	519	534	555	574	592	611	630	660	678
1500	266	288	305	326	345	363	384	401	420	439	461	479	498	519	534	557	575	594	614	645	666	684	704
1600	274	296	319	335	356	376	400	418	436	459	479	498	519	534	555	575	598	617	635	678	691	708	728
1700	292	314	335	356	376	400	422	440	463	485	507	527	548	564	587	608	630	661	682	704	728	744	767
1800	308	330	354	375	398	420	442	465	489	509	532	555	578	596	617	650	673	696	718	739	763	786	807
1900	325	348	371	394	420	442	466	490	510	534	560	584	605	628	660	684	708	732	755	778	802	825	849
2000	329	366	390	416	440	465	498	510	529	560	588	610	634	669	696	718	708	767	792	818	844	867	889
2100	350	390	414	440	468	494	520	543	569	596	623	645	670	707	732	759	786	809	835	862	889	916	940



No spreader bars as standard



Spreader bars as standard

▲ Minimum width for double sash

Number of bars

The distance between the centres of each bar is 125 mm.

Overview

COMMON APPLICATIONS

Ideal for lower security domestic and commercial applications where removal of the security device is required occasionally. A very useful option for openings that fall below the minimum size for SeceuroGuard 1000 retractable security gates.

MAXIMUM & MINIMUM SIZES

When bars are fitted vertically:

Minimum reveal width	250 mm
Maximum reveal width	3000 mm
(greater if multiple units are used)	
Minimum reveal height	200 mm
Maximum reveal height	2100 mm
Maximum reveal height without spreader bars	1500 mm

When bars are fitted horizontally:

Minimum reveal width	200 mm
Maximum reveal width	2000 mm
Minimum reveal height	250 mm
Maximum reveal height	2000 mm

COMPONENT PARTS

Top guide

Code: YRB010E0

Per metre: **£31.59**

3 Hole spreader bar

Code 3 hole: RB160E0

Code 2 hole: RB150E0

Each: **£24.93**

Plastic end cap

Code left: RB110P0

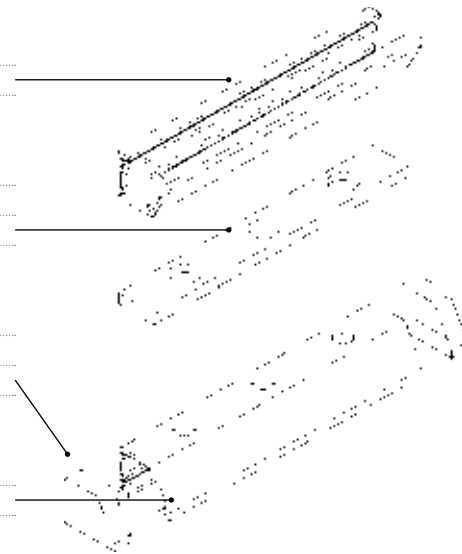
Code right: RB120P0

Each: **£1.02**

Bottom guide

Code: YRB020E1

Per metre: **£31.59**



Lock slider

Code: RB050S0

Each: **£20.49**

Tube socket

Code: RB080S0

Each: **£2.68**

10 Pin radial cam-lock

Code: RB070L0

Each: **£16.68**

Plastic tube end cap

Code: RB061P0

Each: **£0.17**

Fixing plate

Code: RB100S0

Each: **£1.02**

Slider plate

Code: RB090S0

Each: **£1.82**

50 mm x 50 mm x 3 mm Packing box section

Code: YBS550E0

Per metre: **£19.30**

19 mm Outer steel tube

Code: YRB031T0

Per metre: **£9.85**

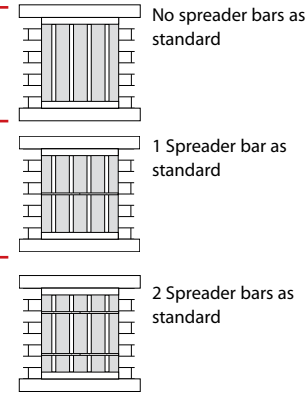
15 mm Inner steel tube

Code: YRB040T0

Per metre: **£4.61**

Width (mm)

Height (mm)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
800	211	211	211	211	227	246	266	285	302	321	340	360	378	398	416	436	454	472
900	211	211	213	235	255	276	298	319	340	362	383	404	426	446	468	489	510	532
1000	211	213	237	260	285	309	331	354	378	402	426	448	472	497	521	545	567	591
1100	211	235	260	287	313	339	364	391	416	425	468	495	521	547	572	597	624	650
1200	227	255	285	313	340	370	398	426	454	425	510	539	567	595	624	653	681	710
1300	246	276	309	339	370	399	429	462	492	523	553	585	615	646	676	708	738	769
1400	266	298	331	364	398	429	464	497	530	563	595	629	663	694	729	762	795	828
1500	285	319	354	391	426	462	497	532	567	604	639	674	710	744	781	815	852	887
1600	302	340	378	416	454	492	530	567	607	644	681	719	756	795	833	870	908	945
1700	321	362	402	442	483	523	563	604	644	684	723	764	804	843	884	926	964	1005
1800	340	383	426	468	510	553	595	639	681	723	766	810	852	894	937	980	1021	1064
1900	360	404	448	495	539	585	629	674	719	764	810	855	900	943	989	1033	1079	1124
2000	378	426	472	521	567	615	663	710	756	804	852	900	945	992	1040	1088	1136	1182
2100	398	446	497	547	595	646	694	744	795	843	894	943	992	1044	1092	1141	1192	1241
2200	416	468	521	572	624	676	729	781	833	884	937	989	1040	1092	1144	1198	1250	1301
2300	436	489	545	597	653	708	762	815	870	926	980	1033	1088	1141	1198	1252	1306	1360
2400	454	510	567	624	681	738	795	852	908	964	1021	1079	1136	1192	1250	1306	1362	1420
2500	472	532	591	650	710	769	828	887	945	1005	1064	1124	1182	1241	1301	1360	1420	1477



The distance between the centres of each bar is approximately 125 mm.

Overview

COMMON APPLICATIONS

Ideal for higher security domestic and commercial applications where removal of the security device is not required. A very useful option for openings that fall below the minimum size for SeceuroGuard 1000 retractable security gates.

STANDARD COLOURS

This product can be powder with coated any of the stock colours listed on page 68 at no extra cost.

Please note that if this product is being installed externally we recommend that you select the zinc base primer option.



THIS PRODUCT CAN BE POWDER COATED
See page 68

CONSTRUCTION

Square Bar 20 mm
Round Bar 16 mm

FRAME

40 x 40 steel box
30 x 30 steel box

SPREADER BARS

40 x 40 steel box
30 x 30 steel box

WEIGHT

35 Kg/sqm
25 Kg/sqm



FIXED WINDOW BAR



SQUARE BAR



ROUNDED BAR

OPTIONS

CUT OUTS

£50.00 each
Available as either a 3 sided or 4 sided cut out.
Please specify on your order the type, size and location of the cut out required.

LUGS

£48.97 per linear metre
Available for face or reveal fixing

ZINC BASE PRIMER

Recommended if the bars are being installed externally

£58.33 per square metre



STANDARD BAR GATE OVERVIEW

- 40 mm box frame
- 40 mm box gate
- 16 mm infill
- Small slam plate
- 3 x hinges
- Fixing holes
- Powder coated
- Lock box with 5 lever lock

£653.62 + VAT

Standard Bar Gate available up to 2 m²

Diamond Mesh Grilles

Width (mm)

	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
800	95	107	119	132	142	155	165	178	189	201	214	225	238	249	260	272	284	296
900	107	120	134	147	161	173	186	200	214	227	240	254	267	280	293	306	320	333
1000	119	134	148	164	177	192	207	222	237	251	267	282	296	311	324	340	354	370
1100	132	147	162	178	195	212	248	244	260	275	293	309	324	342	358	375	391	407
1200	142	161	177	195	213	230	290	267	285	301	319	338	354	373	391	408	426	443
1300	155	173	191	212	230	250	269	289	309	327	346	364	384	404	422	442	462	480
1400	165	186	207	228	248	269	290	311	331	352	373	393	414	436	457	475	497	518
1500	178	200	222	244	267	289	311	333	354	377	399	421	443	466	488	509	532	555
1600	189	214	237	260	285	309	331	354	378	402	426	448	472	497	521	545	567	591
1700	201	227	251	275	301	327	352	377	402	427	452	477	502	527	553	578	604	628
1800	214	240	267	293	319	346	373	399	426	452	478	505	532	560	586	613	639	665
1900	225	254	280	310	338	364	393	421	448	477	505	533	562	590	618	646	674	704
2000	238	267	296	324	354	384	414	443	472	502	532	562	591	621	650	680	710	739
2100	249	280	310	342	373	404	436	466	497	527	560	590	621	651	682	714	744	776
2200	260	293	324	358	391	422	457	488	521	553	586	618	650	682	715	747	781	813
2300	272	306	339	375	408	442	475	509	545	578	613	646	680	714	747	782	815	850
2400	284	320	354	391	426	462	497	532	567	604	639	674	710	744	781	815	852	887
2500	296	333	370	407	443	480	518	555	591	628	665	704	739	776	813	850	887	925

Height (mm)

Square Mesh Grilles

Width (mm)

	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
800	103	116	126	140	153	165	178	192	203	216	229	242	255	268	280	292	306	319
900	116	129	143	158	172	186	201	215	229	243	258	272	286	301	314	330	345	359
1000	126	143	159	175	191	207	224	239	254	270	287	301	318	334	350	365	382	398
1100	140	158	175	192	210	227	245	262	279	297	315	333	350	368	384	402	420	438
1200	153	172	191	210	229	247	268	287	304	323	344	362	382	400	420	439	459	476
1300	165	186	207	227	247	269	290	311	330	351	373	393	413	435	454	475	496	517
1400	178	201	224	245	268	290	313	334	355	378	400	422	444	467	489	510	533	558
1500	192	215	239	262	287	311	334	358	382	405	428	453	476	500	525	548	570	595
1600	203	229	254	279	304	330	355	382	407	434	459	483	508	533	560	586	611	635
1700	216	243	270	297	323	351	378	405	434	461	487	514	540	567	593	621	648	675
1800	229	258	287	315	344	373	400	428	459	487	516	544	570	600	629	657	686	715
1900	242	272	301	333	362	393	422	453	483	514	544	573	604	634	664	694	723	755
2000	255	286	318	350	382	413	444	476	508	540	570	604	635	667	700	732	763	795
2100	268	301	334	368	400	435	467	500	533	567	600	634	667	701	735	768	801	834
2200	280	314	350	384	420	454	489	525	560	593	629	664	700	735	769	804	839	875
2300	292	330	365	402	439	475	510	548	586	621	657	694	732	768	804	840	878	914
2400	306	345	382	420	459	496	533	570	611	648	686	723	763	801	839	878	915	954
2500	319	359	398	438	476	517	558	595	635	675	715	755	795	834	875	914	954	992

Height (mm)

Overview

COMMON APPLICATIONS

Ideal for internal, higher security, domestic and commercial applications where removal of the security device is not required. A very useful option for openings that fall below the minimum size for SeceuroGuard 1000 retractable security gates.

CONSTRUCTION

MESH OPTIONS

Constructed from steel the mesh is available in either a diamond or square pattern

DIAMOND PATTERN

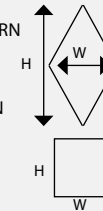
H = 77mm

W = 33mm

SQUARE PATTERN

H = 25mm

W = 25mm



FRAME OPTIONS

The frame can be constructed from any of the following sections:
25 mm flat steel
12 mm x 12 mm steel box
25 mm x 25 mm steel angle

STANDARD COLOURS

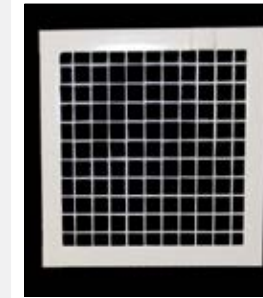
This product can be powder coated any of the stock colours listed on page 68 at no extra cost.



THIS PRODUCT CAN BE POWDER COATED
See page 68



DIAMOND MESH

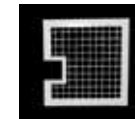


SQUARE MESH

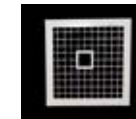
OPTIONS

CUT OUTS
£50.00 each

Available as either a 3 sided or 4 sided cut out.



3 sided cut out

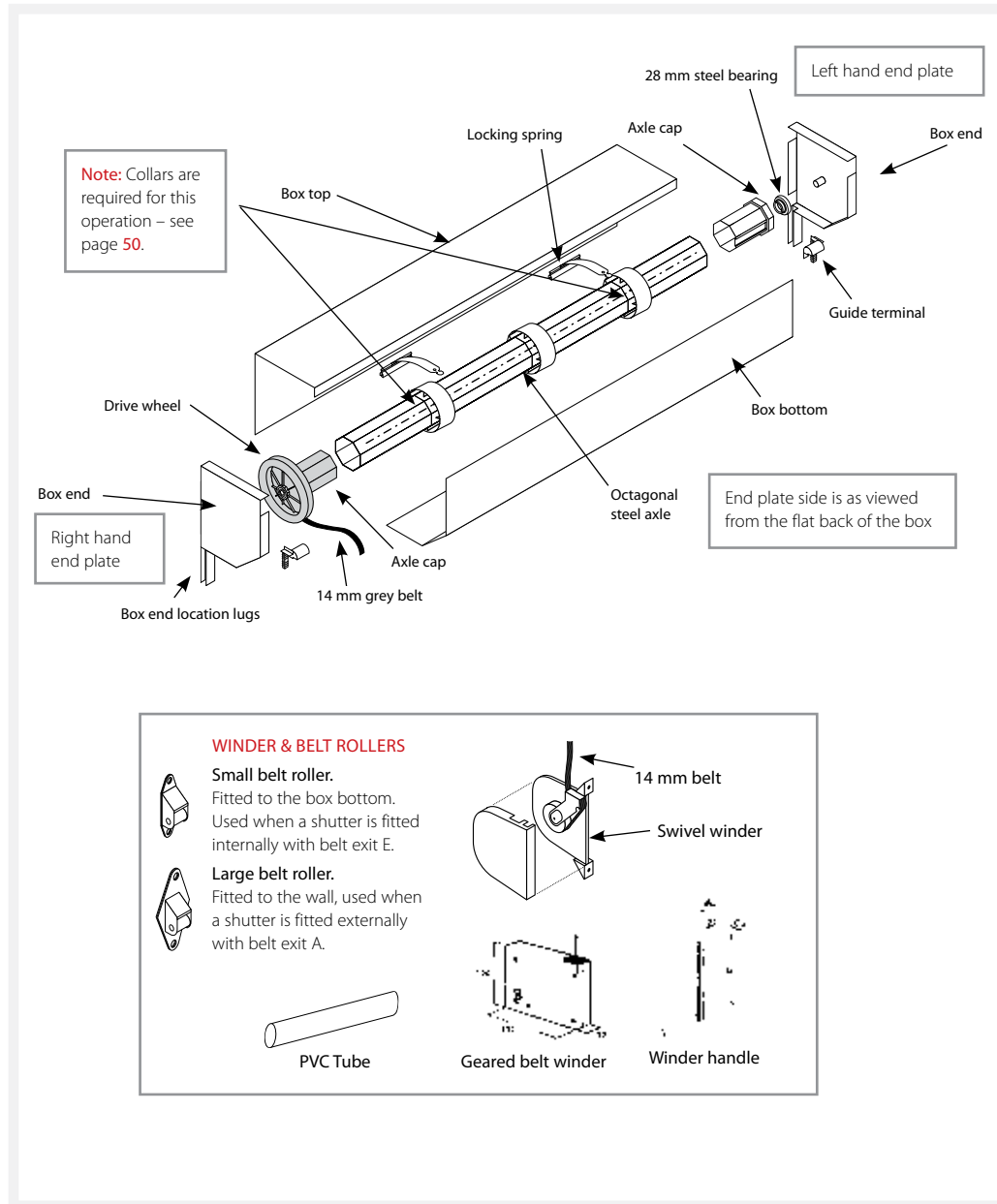


4 sided cut out

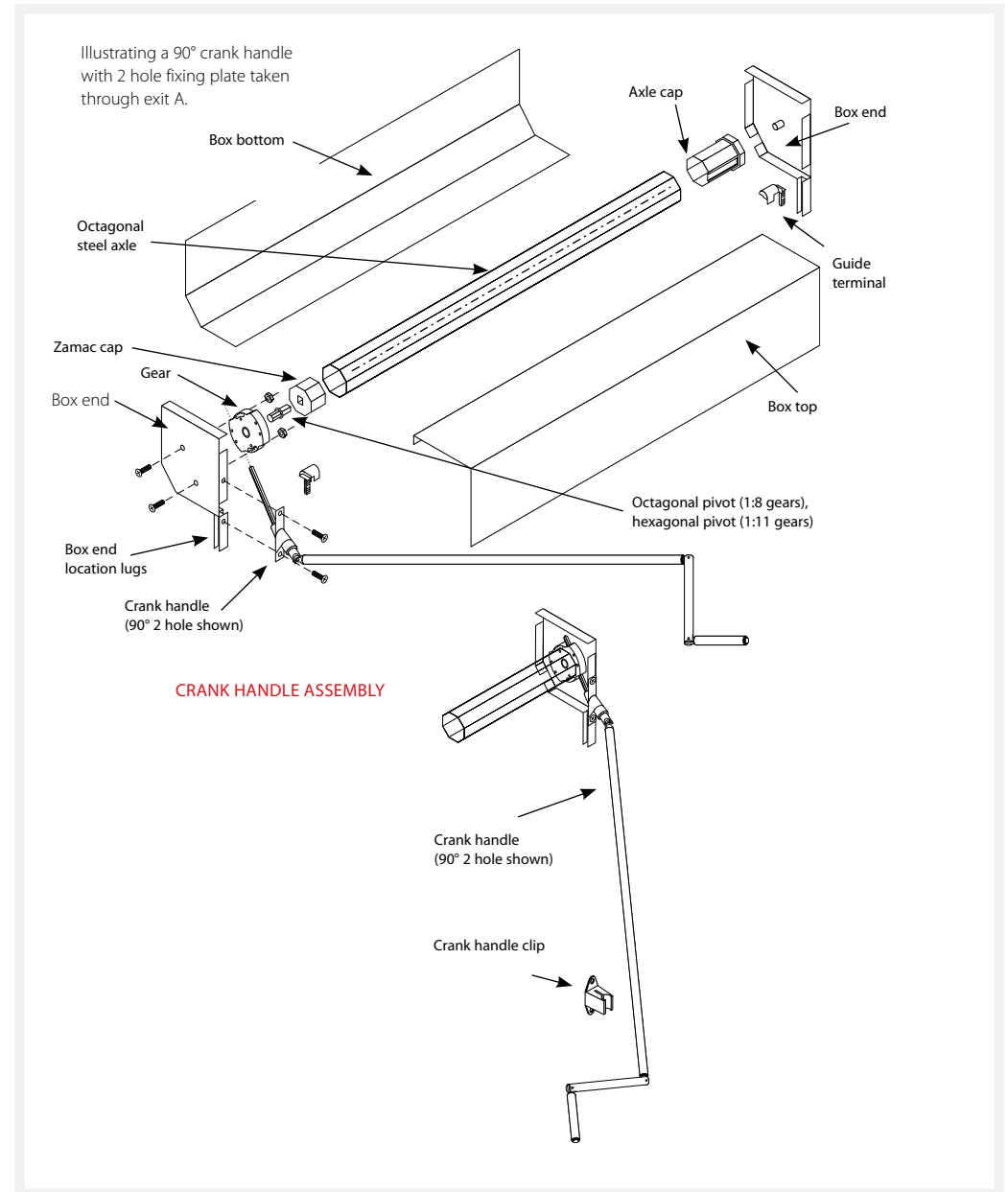
Please specify on your order the type, size and location of the cut out required.

Shutter standard component parts - SeceuroShield 150, SeceuroShield 38, SeceuroVision 38

Belt Operation

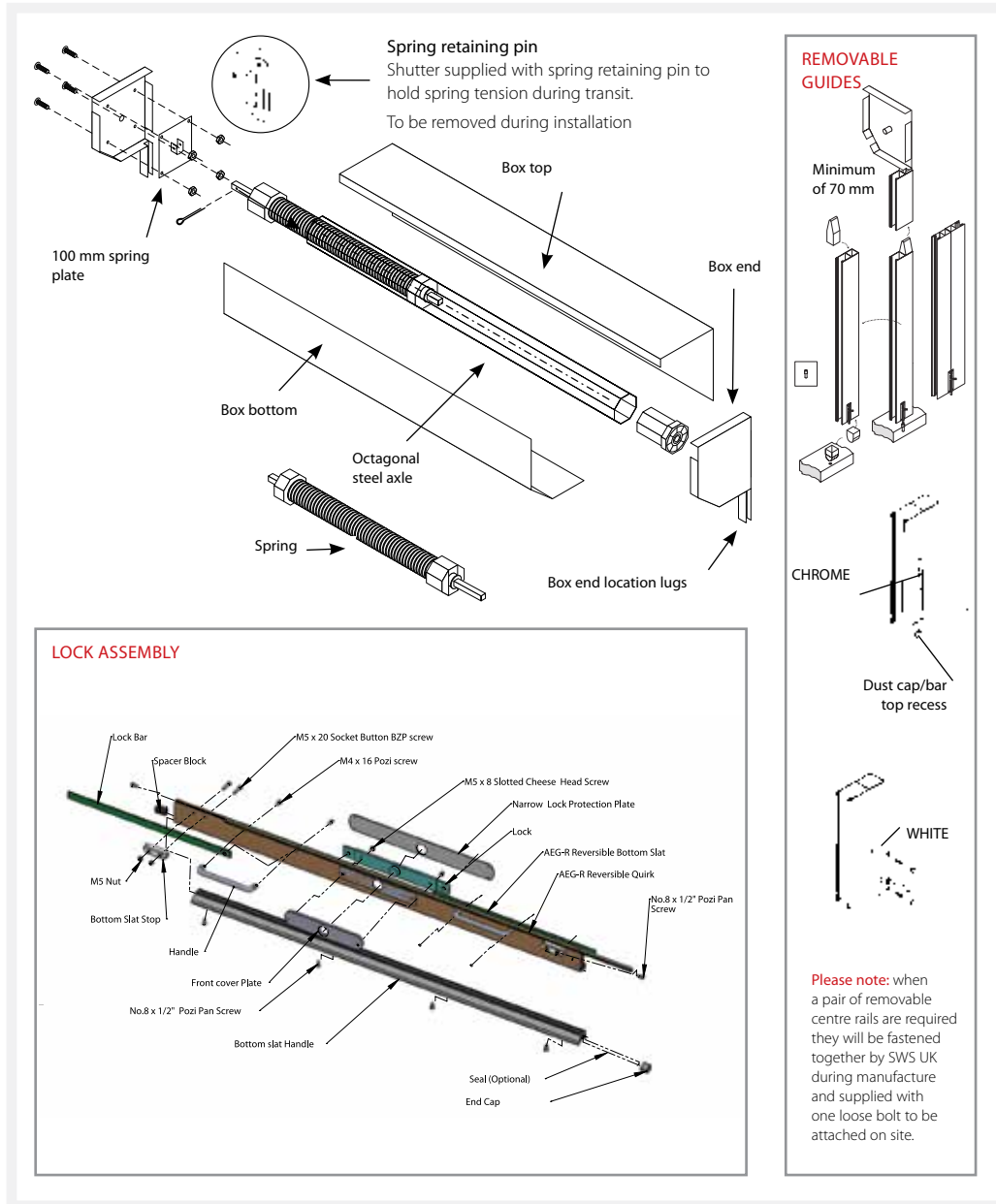


Rod Crank Operation

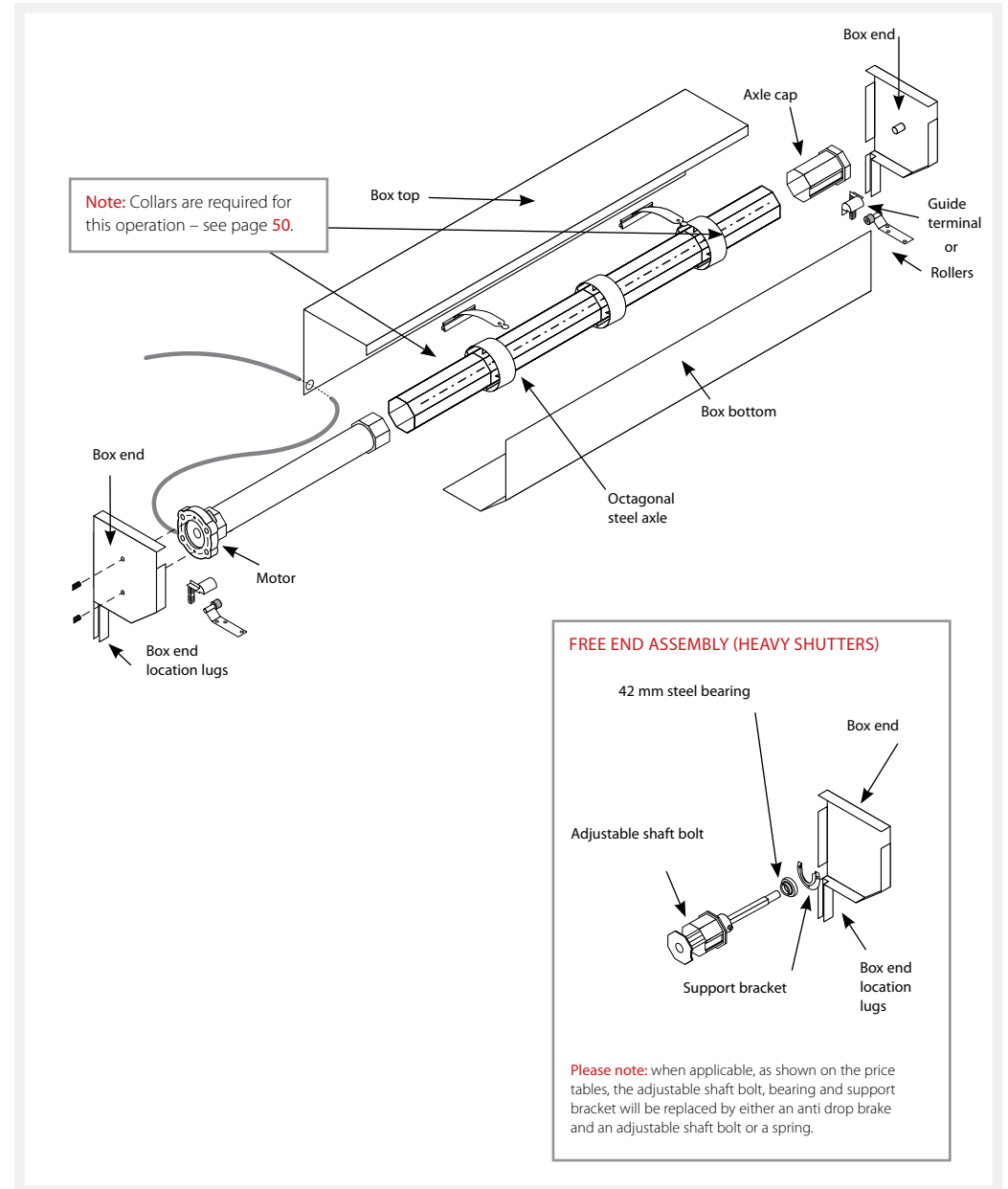


Shutter standard component parts - SecuroShield 150, SecuroShield 38/60/77, SecuroVision 38/800/900

Spring and Lock Operation



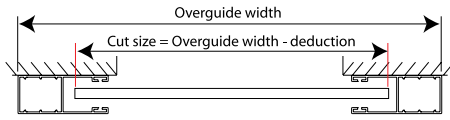
Electric Operation



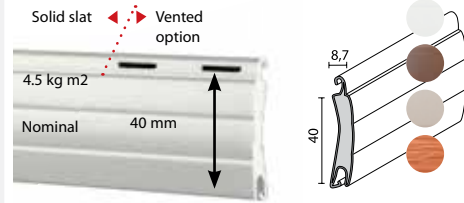
Components - Slats & Endlocks

Please note: ORDERING – when ordering any slats, bottom slats or ready made curtains, please provide us with the cut size of the part(s) required. If you provide us with an overguide width or an over endlock width you must make this very clear on your order. Curtain prices include endlocks and a bottom slat and the prices will not be reduced if end locks or the bottom slat is not required. If the bottom slat requires a bottom slat lock fitted, the bottom slat will need to be 10 mm longer than slat length (with the exception of SeceuroVision 900) and a surcharge of **£49.10** must be applied for supplying and fitting the lock.

Slat Cutting Size



SECEUROSHIELD 150



Slat
SeceuroShield 150 uses a double skin foam filled aluminium slat, Spring and lock operated shutters are supplied non-vented as standard all other operations vented as standard but also available non-vented.

Stock lengths 6.5metres

YSL403A1 per metre **£3.69**

CURT CD150 Ready made curtain **£102.73/m²**

Endlocked with AEG bottom slat attached. The bottom slat will have a rubber seal fitted.

Deduction from overguide width

H17	H25	H30	H40S	H34
70 mm	75 mm	75 mm	80 mm	90 mm

Endlocks

Fitted two per slat, every other slat. The endlocks are stapled in place. For on site repairs the endlocks can be rivetted in place using 3.2 x 4 mm rivets.

EL40010 Endlock **£0.69**



SECEUROSHIELD 38



Slat
SeceuroShield 38 uses a double skin extruded aluminium slat.

Stock lengths 4.1/6.0 metres

YSL380E1 per metre **£6.59**

CURT CD38 PC Ready made curtain **£166.46/m²**

Endlocked with AEG bottom slat attached. The bottom slat will have a reinforcing angle with protective cover caps fitted as standard. Can be supplied with rubber seal in place of reinforcing angle as a no cost option.

Deduction from overguide width

H17	H25	H30	H40S	H34
70 mm	75 mm	75 mm	80 mm	90 mm

Endlocks

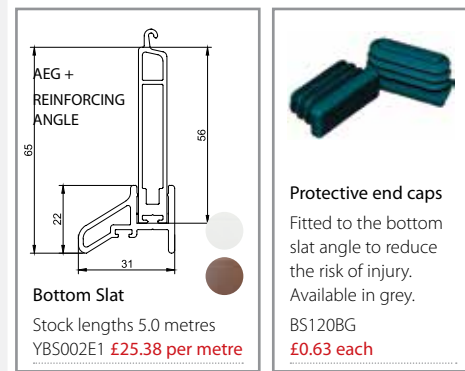
Fitted two per slat, every other slat. Slats are crimped to hold the endlock in place. For on site repairs the endlocks can be rivetted in place using 4 x 6 rivets.

YEL38010 Endlock **£0.69 each**

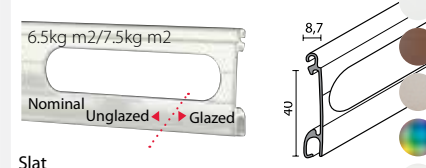
Wind Endlocks (H40/S guide rails only)

Wind endlocks fitted in every gap between the standard endlocks for the first four gaps on each side. They are then fitted every fourth endlock gap up to 3/4 of the curtain height. The wind endlocks are rivetted in place using 3.2 x 4 mm rivets.

EL38110 Endlock **£1.12 each**



SECEUROVISION 38 PUNCHED



Slat
SeceuroVision 38 uses a single skin extruded aluminium slat. 44% Vision

Stock lengths 6.5 metres

YSL382H1 per metre **£8.35**

CURT CD38 Punch Ready made curtain **£216.60/m²**

Endlocked with AEG bottom slat attached. The bottom slat will have a reinforcing angle with protective cover caps fitted as standard.

Deduction from overguide width

H17	H25	H30	H40S	H34
70 mm	75 mm	75 mm	80 mm	90 mm

Endlocks

Fitted two per slat. left and right handed profiles. The endlocks are rivetted in place using 4 x 8mm rivets.

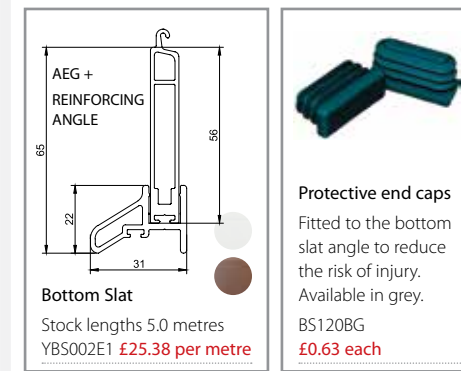
EL383L0 Left Endlock **£0.67 each**

EL383R0 Right Endlock **£0.67 each**

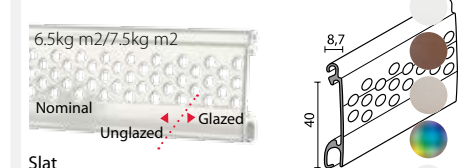
Glazing

Clear polycarbonate insert
1.0 mm thick 27 mm wide x 1250 mm long.

YSL851E0 Glazing **£1.99/m**



SECEUROVISION 38 PERFORATED



Slat
SeceuroVision 38 uses a single skin extruded aluminium slat. 18% Vision

Stock lengths 6.5 metres

YSL382H1 per metre **£8.35**

CURT CD38 PERF Ready made curtain **£216.59/m²**

Endlocked with AEG bottom slat attached. The bottom slat will have a reinforcing angle with protective cover caps fitted as standard.

Deduction from overguide width

H17	H25	H30	H40S	H34
70 mm	75 mm	75 mm	80 mm	90 mm

Endlocks

Fitted two per slat. left and right handed profiles. The endlocks are rivetted in place using 4 x 8mm rivets.

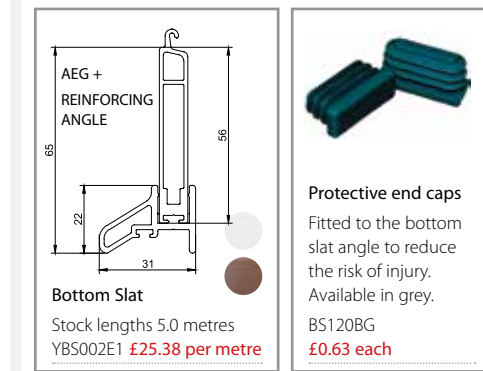
EL383L0 Left Endlock **£0.67 each**

EL383R0 Right Endlock **£0.67 each**

Glazing

Clear polycarbonate insert
1.0 mm thick 27 mm wide x 1250 mm long.

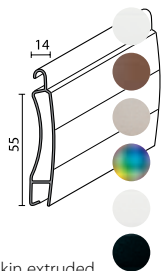
YSL851E0 Glazing **£1.99/m**



Please note: **POWDER COATING** – The prices shown on these pages are applicable for the colours listed for each profile on these pages. The extruded profiles marked  are also available in a range of colours listed in the stock colour range (see page 68) for a surcharge.

Components - Slats & Endlocks

SECEUROSHIELD 60



Slat

SeceuroShield 60 uses a double skin extruded aluminium slat.

Stock lengths 4.1/5.2/6.0 metres

YSL552E1 per metre **£11.57**

CURT CD60 PC Ready made curtain **£212.52/m²**

Endlocked with AEGX bottom slat attached. The bottom slat will have a reinforcing angle with protective cover caps fitted as standard.

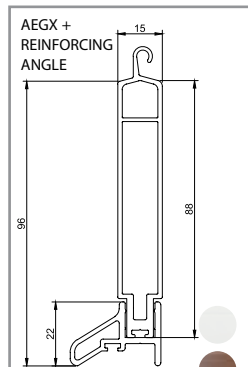
Deduction from overguide width

UPH140	UPH240	UPH250
75 mm	95 mm	105 mm

Endlocks

Fitted two per slat, every other slat. The endlocks are rivetted in place using 4 x 8 mm rivets.

EL5510 Endlock **£1.39 each**

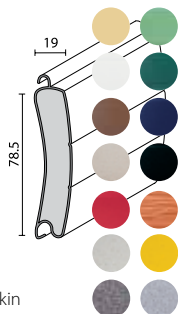


Bottom Slat
Stock lengths 6.5 metres
YBS003E1 **£35.36 per metre**



Protective end caps
Fitted to the bottom slat angle to reduce the risk of injury. Available in grey.
BS120BG **£0.63 each**

SECEUROSHIELD 77



Slat

SeceuroShield 770 uses a double skin foam filled aluminium slat.

Stock lengths 5.5/7 metres

YSL770A1 per metre **£9.41**

CURT CD77 PC Ready made curtain **£132.45/m²**

Endlocked with AEG/DW bottom slat attached. The bottom slat will have a rubber seal fitted.

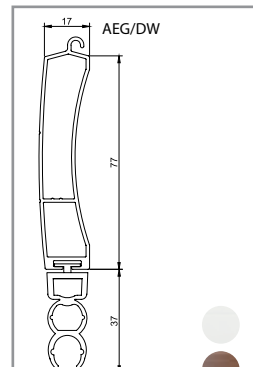
Deduction from overguide width

UPH250
100 mm

Endlocks

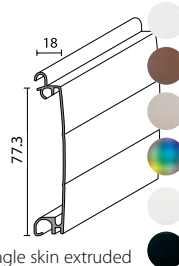
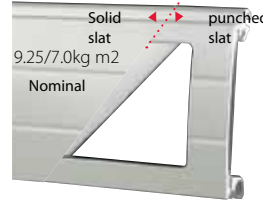
Fitted two per slat, every other slat. The endlocks are rivetted in place using 4 x 8 mm rivets.

EL77010 Endlock **£1.39 each**



Bottom Slat
Stock lengths 7 metres
YBS004E1 **£14.09 per metre**

SECEUROVISION/SHIELD 800



Slat

SeceuroVision/Shield 800 uses a single skin extruded aluminium slat. Solid Slat 9.25kg m2. Punched 7.0kg m2 58.5% Vision

Stock lengths 7.0 metres

YSL801E1 per metre **£18.15**

CURT CD800 PC Ready made curtain **£238.40/m²**

Endlocked with AEG/DW bottom slat attached. The bottom slat will have a rubber seal fitted.

Deduction from overguide width

UPH250
100 mm

Endlocks

Fitted two per slat. Left and right handed profiles. The endlocks are screwed in place. Screws supplied 8x1/2inch pozi pan dome head self tapping.

EL800I0 Left Endlock **£1.39 each**

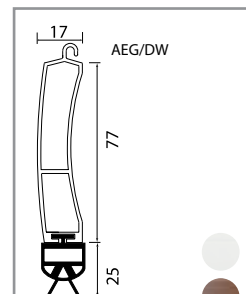
EL800R0 Right Endlock **£1.39 each**



Glazing

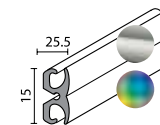
Clear polycarbonate insert
1.5 mm thick 69.25 mm wide x 2050 mm long.

YSL850E0 Glazing **£5.00 per metre**



Bottom Slat
Stock lengths 7 metres
YBS004E1 **£23.28 per metre**

SECEUROVISION 900



Slat

Seceurovision 900 uses an extruded aluminium slat. 150 mm link spacing 6Kg/sqm with 69% vision as standard or optional 75 mm link spacing 7Kg/sqm with 55% vision (shown)

Stock lengths 6.0 metres

CURT CD900 Ready made curtain **£200.15/m²**

150 mm x 70 mm spacing

CURT CD900S Ready made curtain **£231.38/m²**

75 mm x 70 mm spacing

Endlocked with AEGX bottom slat attached. The bottom slat is extruded aluminium with reinforcing angle fitted with protective cover caps and no seal.

Deduction from overguide width

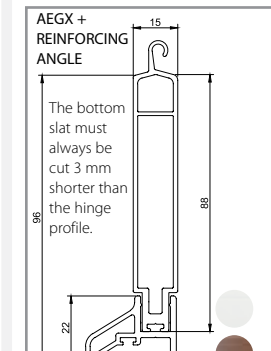
UPH140	UPH240	UPH250
74 mm	92 mm	105 mm

Endlocks

Fitted two per hinge bar. The endlocks are screwed in place. Consists of a washer and an 8 x 1/2 inch pozi pan flange headed self tapping screw.

W117WS Screw **£0.20 each**

EL701S0 Washer **£1.39 each**

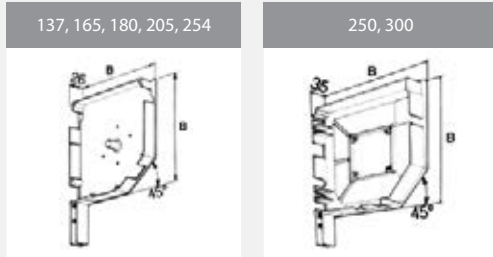


Bottom Slat
Stock lengths 6.5 metres
YBS003E1 **£35.36 per metre**



Protective end caps
Fitted to the bottom slat angle to reduce the risk of injury. Available in grey.
BS120BG **£0.63 each**

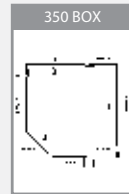
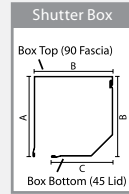
Components, End Plates & Shutter Box



Steel end plates are supplied as standard on all SeceuroShield 3801 shutters, on all shutters in excess of 75kg in weight.
PLEASE NOTE ALL END PLATES AND BOXES LISTED ARE ALUMINIUM UNLESS STATED OTHERWISE.

End Plates		
Box Type	Price Per Pair	Code
137	£21.22	YBX370E1
165	£20.79	BX650E1
180	£22.16	YBX800E1
205	£26.27	YBX050E1
254*	£51.61	YBX540E1
250	£51.61	YBX500E1
300	£62.86	YBX000E1
350 (steel)	£93.07	YBX350S0

* Please note the 254 (small lug) end plates are for use with SeceuroShield 150, SeceuroVision 38 and SeceuroShield 38 only (when the overall shutter height is greater than 2800 mm).



Box Type	Dimensions			Box Top		Box Bottom	
	A	B	C	Code	Per metre	Code	Per metre
137	137	142	105	YBX370T1	£18.42	YBX370B1	£14.03
165	169	165	125	YBX650T1	£21.15	YBX650B1	£16.01
180	183	180	147	YBX800T1	£26.88	YBX800B1	£21.69
205	210	205	171	YBX050T1	£31.18	YBX050B1	£24.92
250	256	250	205	YBX500T1	£41.40	YBX500B1	£38.61
300	312	300	258	YBX000T1	£52.75	YBX000B1	£42.75
350	348	350	235				

350 Box Options		Colour	Code	Price
[1]	350 box 90 fascia	White	YBX350R1	£46.79
		Brown	YBX350R2	£45.25
[2]	350 box 45 lid	White	YBX350B1	£36.80
		Brown	YBX350B2	£35.58
[3]	350 box top	White	YBX350T1	£25.03
		Brown	YBX350T2	£24.21

Please note all box top and bottom profiles are stocked in 6 metre lengths.

STOCK COLOURS:

Boxes and end plates are available in White, Brilliant White, Brown, Cream and Black as standard. There is also a range of colours available for a surcharge, see page 68 for further details.



Guide Terminals & Rollers

	Shutter						
	150	38	3801	60	77	800	900
Small Guide Terminal Colour: White or Brown Code: YBX030A1 £2.50 per pair	✓						
Heavy Duty Guide Terminal Colour: White Code: YBX040A1 £2.50 per pair		✓					
ER30mm Flat Plate Roller Left: BX060L0 Right: BX060R0 £18.96 each	Supplied with rollers when 250mm end plates are required	Supplied with rollers when either 250mm or steel end plates are required	✓		✓		
Belled Guides No charge		SeceuroVision 38 supplied with belled guide rails		✓		✓	✓

Counter Accessories

- Removable guide rail
Code: YACCS REMRAILS
£75.15 per pair
- Removable guide rail with lockable shoot bolts
Code: YACCS REMLOCK
£123.77 per pair
See page 21 for further details of removable guide rails.
- Nylon guide rail lug for the top of a removable guide rail
Large: GU007H1
Small: GU007H3
£6.55 each
- Nylon guide rail skid for the base of a removable guide rail
Large: GU007H2
Small: GU007H4
£6.55 each
- Chrome 57 mm shoot bolt for bar top recess
Code: GU09000
£9.51 each
- Lockable shoot bolt
White: GU009H0
Brown: GU009B0
£48.62 each
- Dust cap/bar top recess
Code: GU07000
£12.28 each

Guide Rails

COLOURS: Guide rails are available in White, Brilliant White, Brown, Cream, Black or Mill (for powder coating) as standard. All guide rails are supplied with guide inserts fitted, unless full lengths are supplied or requested otherwise.



H17	H25	H30	H40/S	UPH140	UPH240	UPH250
Shutter Type: ■ Shield 150 ■ Shield 38 Note: Cannot be used with vision slats. Code: YGU170B1 Stock Length: 6000 mm Each: £22.72	Shutter Type: ■ Shield 150 ■ Shield 38 ■ Vision 38 Code: YGU250B1 Stock Length: 6500 mm Each: £14.74	Shutter Type: ■ Shield 150 ■ Shield 38 ■ Vision 38 Code: YGU300B1 Stock Length: 6500 mm Each: £25.38	Shutter Type: ■ Shield 150 ■ Shield 38 ■ Shield 3801 Code: YGU400B1 Stock Length: 6500 mm Each: £40.07	Shutter Type: ■ Shield 60 (205 mm box) ■ Vision 900 (205 mm box) Code: YGU404P1 Stock Length: 4600 mm Stock Length: 6000 mm Each: £33.36	Shutter Type: ■ Shield 60 (250/300/350 mm box) ■ Vision 900 (250/300/350 mm box) Code: YGU403P1 Stock Length: 6500 mm Each: £34.70	Shutter Type: ■ Shield 600(250/300/350 mm box) ■ Vision 900 (250/300/350 mm box) ■ Vision 800 ■ Shield 77 Code: YGU501A1 Stock Length: 4600 mm Stock Length: 5300 mm Each: £63.55

Guide rails are also available in a range of RAL and BS colours, see page 68 for details (surcharge applies)

Inserts

 5 mm guide brush Code: YGU030B0 Stock Length: 1000 m Each: £0.74 per m H17, H25, H30, H34 & H40/S	 4 mm PVC brush PEB4 Code: YGU053PO Stock Length: 6.5 m Each: £3.02 per m UPH140, UPH240, UPH250 (Shutter type SeceuroShield 77 SeceuroVision 800 require 4 mm inserts on both sides)	 7 mm PVC brush PEB7 Code: YGU054PO Stock Length: 6.5 m Each: £4.07 per m UPH250 (Shutter type SeceuroShield 60 SeceuroVision 900 – see illustration right)	 NOTE: If the insert is supplied loose or the guide rails are reduced in length, you must ensure the insert is crimped in place before installing the guide rails to prevent the insert from moving within the guide rails.
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Cover Caps

13 mm cover caps are available to cover holes drilled for face fixing of guide rails.

Code: YGU01 --- Each: **£14.73 per bag (100)**

White 001	Brown 003	Green 00G	Black 00B	Grey 0GR	Cream 00C	Red 00R	Blue 0BL

FSA Guide Rail Bottom Plug

For use with H25 guide rails only (supplied as standard on a shutter with H25 guide rails)

Code: YGU04000
Each: **£1.42**

Bullet Locks

Tapped bullet lock housing for an aluminium guide rail:
Code: GU090L0
Each: **£13.64**

Bullet lock pin:
Code: GU091L0
Each: **£16.23**

(Only for use with H40/S, UPH240 & UPH250)
Prices shown are for the component parts supplied loose. If you require a price for the parts fitted please refer to the accessories section.

Guide Rail Stops






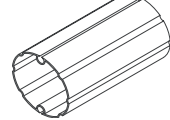
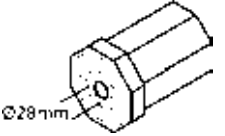
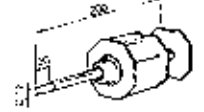
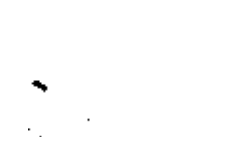

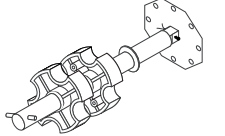



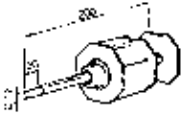

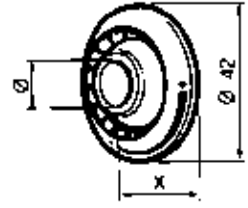

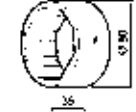



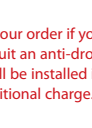
Optional L brackets, which when attached to the guide rails, enable the curtain of a spring loaded shutter to finish at a lower position of your choice, when the shutter is open.

Guide rail stop kit (1 pair of stops)
Code: YBOTTOMSLATKIT
Each: **£23.34**

Please note this optional extra is not available for H40/S guide rails.

You must indicate the fixing position if you require the L brackets to be supplied attached to the guide rails.

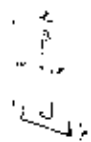
Axle Assembly - Axles, Axle Caps, Brackets, Bearings & Collars

 <p>60/0.9 mm octagonal galvanised axle</p> <p>Code: YAX600R0 Stock Length: 6500 mm Price per m: £8.60</p>	 <p>70/1.2 mm octagonal galvanised axle</p> <p>Code: YAX700R0 Stock Length: 7000 mm Price per m: £11.72</p>	 <p>4" axle 16swg zinc coated (101.6 mm x 1.63 mm)</p> <p>Code: YAX130R0 Stock Length: 6100 mm Price per m: £27.94</p>	 <p>4" axle 10swg (red primed) plain finish (101.6 mm x 3.25 mm)</p> <p>Code: YAX130R1 Stock Length: 6100 mm Price per m: £34.93</p>	 <p>5" axle 10swg plain finish (127mm x 3.25 mm)</p> <p>Code: YAX131R0 Stock Length: 6100 mm Price per m: £39.60</p>	 <p>100 mm steel fluted axle</p> <p>Code: AX900R0 Stock Length: 7 m & 5.2 m Price per m: £25.04</p>	<p>4" 10swg with round discs dummy end for use with safety brake</p> <p>Code: SD200B0 Each: £38.00</p>
 <p>60 mm heavy duty axle cap</p> <p>Code: AX602E0 Each: £2.73 Max weight limit 40kg</p>	 <p>60 mm adjustable PVC shaft bolt</p> <p>Code: AX600S0 Each: £11.13 Max weight limit 50kg Secure with Jubilee clip for extra safety</p>	 <p>4" 16swg heavy duty plug end & bracket (101.6 mm x 1.63 mm)</p> <p>Code: MT136M1 Each: £28.27</p>	 <p>5" dummy end & bracket (127 mm x 3.25 mm)</p> <p>Code: MT137M1 Each: £56.14</p>	 <p>100 mm fluted axle dummy end</p> <p>Code: AX910A0 Each: £22.38</p>	 <p>Support bracket 42 mm bearing</p> <p>Code: AX421B0 Each: £1.70 Required to hold 42 mm bearing</p>	<p>4" 16swg with round discs dummy end for use with safety brake</p> <p>Code: SD210B1 Each: £37.00</p>
 <p>28mm steel bearing</p> <p>Code: AX280B0 Each: £1.97 Used with 60 mm axle cap</p>	 <p>100 mm spigot plate</p> <p>Code: AX110P0 Each: £4.44 Required for 28 mm bearing if there is no spigot on the end plate. Can also be used to mount an Ace gear</p>	 <p>70 mm adjustable Aluminium shaft bolt</p> <p>Code: AX701S0 Each: £14.34 Secure with Jubilee clip for extra safety</p>	 <p>4" 10swg heavy duty plug end & bracket (101.6 mm x 3.25 mm)</p> <p>Code: MT137M2 Each: £25.00</p>	 <p>42 mm steel bearing</p> <p>Code: AX420B0 Each: £3.96 Used with 60 mm and 70 mm adjustable shaft bolts</p>		<p>60 mm adjustable shaft bolt for safety brake</p> <p>Code: SD230B0 Each: £14.02</p>
 <p>60/80 collar</p> <p>Code: AX600C0 Each: £2.56 3 required per metre on 15 & 38</p>	 <p>70/80 collar</p> <p>Code: AX700C0 Each: £7.60 3 required per metre on 60</p>	 <p>70/100 collar</p> <p>Code: AX701C0 Each: £2.56 3 required per metre on 77, 80 & 900</p>	 <p>100/118 collar</p> <p>Code: AX016E0 Each: £3.36</p>	 <p>Anti-drop brake RD80 (without limit switch)</p> <p>Code: SD150B0 Each: £118.35 80kg max weight</p>	 <p>Anti-drop brake RD150 (with limit switch)</p> <p>Code: SD160B0 Each: £169.18 150kg max weight</p>	<p>70 mm adjustable shaft bolt for safety brake</p> <p>Code: SD240B0 Each: £28.25</p>
<p>NOTES:</p> <ul style="list-style-type: none"> Collars are required for belt operated and motorised shutters with 60 mm, 70 mm and 100 mm (4 inch) axles. All SeceuroShield 77, SeceuroVision 800 and 900 shutters require collars. Motorised SeceuroShield 60 shutters require collars. Motorised and belt operated SeceuroShield 150 and SeceuroShield 38 shutters require collars. Spring loaded SeceuroShield 150, SeceuroShield 38 and 60 shutters DO NOT require collars. Rod crank operated shutters do not require collars. SeceuroShield 3801 shutters do not require collars. 						

Axle Assembly - Locking springs, Belt & Rod Crank Drive Components

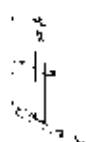
Lock Springs

For use with SeceuroShield 150, SeceuroShield 38, SeceuroVision 38



137/165 Locking Spring

Code: AX370L0
Box Type: 137/165
Each: **£1.97**



180/205 Locking Spring

Code: AX800L0
Box Type: 180/205
Each: **£2.03**



6000/5500 Locking Spring

Code: AX500L0
Box Type: 250/300
Each: **£4.28**



Shield 77 Locking Spring

Code: AX770L0
Box Type: 250/300
Each: **£4.28**

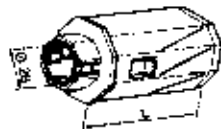
Locking springs are not required for SeceuroVision 800 or 900. Curtains are screwed to the axles using small sections of slat. All spring loaded, rod crank operated and SeceuroShield 3801 shutter curtains are attached directly to the axle using screws. Beware of damaging the motor with over-long screws.

Belt Drive Components



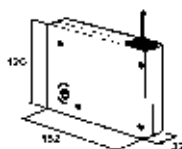
14 mm grey belt

Code: YBD14105
Per metre: **£1.39**



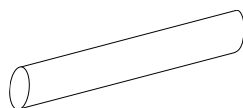
60mm axle cap for drive wheel

Code: AX601E0
Each: **£1.76**
Requires a 28 mm steel bearing



Geared belt winder

Code: BD01000
Each: **£29.62**
Belt and handle not included, lifting capacity 25kg



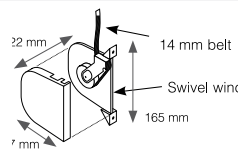
White PVC Tube 3 m

Code: BD05102
Each: **£6.83**



Drive wheel

Size: Code:
125mm/137 box BD12000
155mm/165 box BD15000
170mm/180 box BD17000
190mm/205 box BD19000
Each: **£4.16**



Medium white swivel winder

Code: BD04001
Each: **£16.71**
Belt not included, lifting capacity 15kg

Handle for geared belt winder

Code: BD02009
Each: **£15.09**
Required for geared belt winder

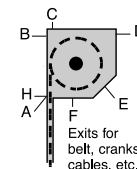
Large belt roller with brush

Code: BX010A1
Each: **£2.68**

Small belt roller with brush

Code: BX020A1
Each: **£2.39**

Rod Crank Drive Components For Built-On Shutters



Exits for belt, cranks, cables, etc.



2 hole 45 degree joint only

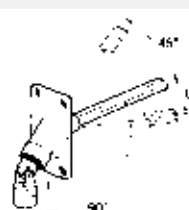
Recommended exits = E, F
Hexagonal bar length = 480mm
Code: GD02003
Each: **£16.97**



Ace gear with octagonal hole

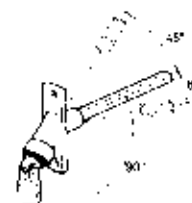
Gear: Code: Each:
1:8(20kg) GD06001 **£32.24**
1:11(30kg) GD07001 **£32.24**

To suit crank handles with 7 mm A/F hexagonal bar. These gear drives are no longer available for use with 8 mm square bar. When replacing an existing unit check the bar on the winding handle, if it is square you will also need to order a replacement joint for the winding handle.



4 hole 90 degree joint only

Recommended exits = A, B
Hexagonal bar length = 480mm
Code: GD04103
Each: **£27.58**



2 hole 90 degree joint only

Recommended exits = A, B, D, H
Hexagonal bar length = 480mm
Code: GD04003
Each: **£25.23**



Zamac cap for gear

Axle: Code: Each:
60 mm AX600E0 **£5.92**

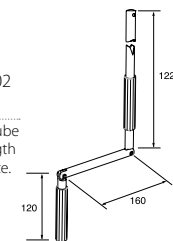
White crank handle clip

Code: GD11001
Each: **£0.68**

White crank handle

Code: GD02002
Each: **£20.73**

The aluminium tube enables easy length adjustment on site. Does not include joint - see above for joints.

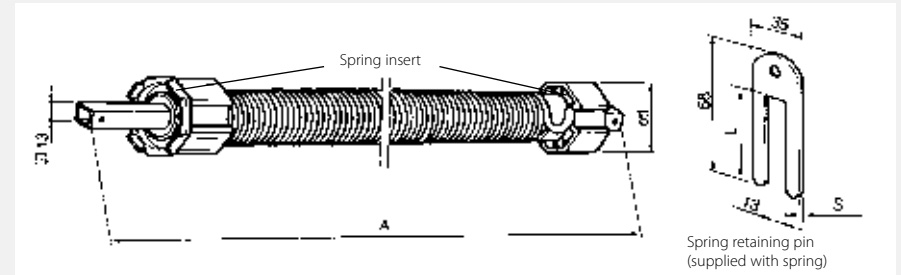


Spring Fittings

Description	Spring Length (A)	Max Lift Weight			Max No. Turns	Code	Price (£)
		60mm AXLE	70mm AXLE	100mm AXLE			
No.0 60 mm spring	650 mm	15kg	13kg		13	SP60000	£48.36
No.1 60 mm spring	860 mm	24kg	22kg		13	SP60100	£56.07
No.2 60 mm spring	940 mm	34kg	32kg		12	SP60200	£61.27
No.3 70 mm spring	1130 mm	50kg	45kg	37.5kg	12	SP70300	£74.17
No.4 70 mm spring	1270 mm		75kg	62.5kg	12	SP70400	£81.33
No.5 100 mm spring	1030 mm			83kg	10	SP80300	£116.23

Description	Code	Price (£)
60 mm Octagonal spring insert A	SP60A00	£4.04
60 mm Octagonal spring insert B	SP60B00	£4.04
70 mm Octagonal spring insert A	SP70A00	£4.04
70 mm Octagonal spring insert B	SP70B00	£4.04

For each spring you will require an A and a B insert.



PLEASE NOTE AS STANDARD ALL SPRINGS ARE SUPPLIED WITHOUT SPRING INSERTS AND THESE MUST BE ORDERED SEPARATELY.

100 x 100 mm spring plate
 Code: AX120P0
 Each: £4.04

Bottom Slat Fittings

Spacer Block
 Code: BS173B0
 Cost: £0.34p each

Narrow Lock Protection Plate
 Code: BS020L0
 Cost: £5.98

M5 x 20 Socket Button BZP screw
 Code: BSWI044WS
 Cost: £0.11p

Key Lock
 Code: BS070L0
 Cost: £26.92
 Please note that specific key numbers will incur a longer lead time

AEG-R Reversible Bottom Slat & Quirk
 Code: BS111E0
 Cost: £32.38

Bottom Slat handle
 Code: BS121H1
 Cost: £29.55

Lock Bar
 Code: BS130L1
 Cost: £13.42

Front cover plate
 Code: BS121L0
 Cost: £9.05

End Cap
 Code: BS174B0
 Cost: £0.60p per pair

MA x 16 Pozi screw
 Code: W1032WS
 Cost: £0.06p

M5 Nut
 Code: W1125WS
 Cost: £0.06p each

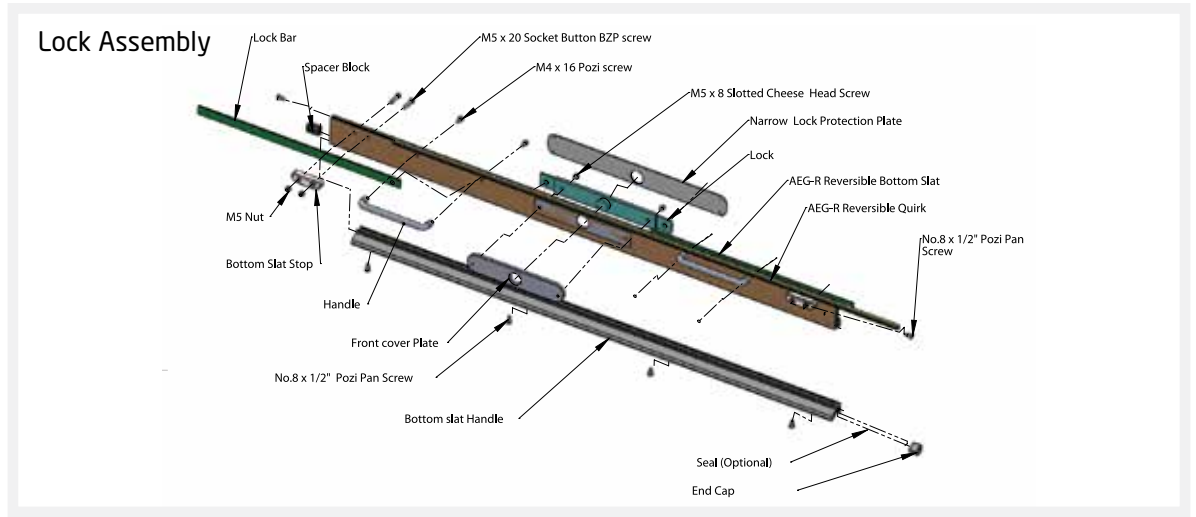
Handle External Use (stainless steel)
 Code: BS010H3
 Cost: £13.99

Handle Internal Use
 Code: BS010H2
 Cost: £6.44

Bottom Slat Stop
 Code: BS171B0
 Cost: £0.81p each

M5 x 8 Slotted Cheese Head Screw
 Code: W1041WS
 Cost: £0.06p

Seal
 Code: BS11110
 Cost: £1.93p/m



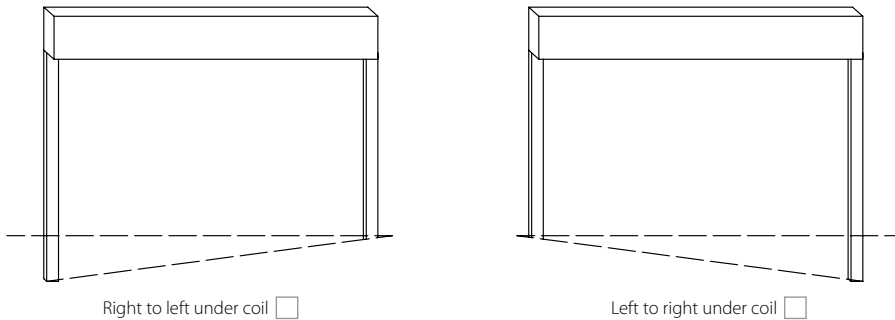
Customer		Order date		Delivery address		Purchase order no.	
Order placed by (block capitals)		Delivery w/c			POSTCODE	Customer/job ref.	

This order form must be used in addition to the standard shutter or SeceuroGlide order form when a sloping bottom slat is required. Please ensure that you answer all the questions on the form to prevent your order from being delayed.

Please note: This order form is accompanied by information in the right hand column detailing important surveying and ordering advice. Please tick this box to confirm that you have read this information.

1. ITEM REFERENCE:	
Overall door width (mm) [max. 5000 mm wide]:	
2. PRODUCT TYPE:	
SeceuroGlide (AEG/X) <input type="checkbox"/>	SeceuroShield 60 (AEG/X) <input type="checkbox"/>
SeceuroGlide Compact (AEG) <input type="checkbox"/>	SeceuroShield 77 (AEG/X) <input type="checkbox"/>
	SeceuroVision 800 (AEG/X) <input type="checkbox"/>
	SeceuroVision 900 (AEG/X) <input type="checkbox"/>
3. GUIDE RAIL TYPE:	
UPH140 (compact only) <input type="checkbox"/>	H75 (available with SeceuroGlide only) <input type="checkbox"/>
	UPH250 <input type="checkbox"/>
4. BOTTOM SLAT COLOUR:	
Height difference (h) see diagrams below (mm):	

5. PLEASE SELECT THE PICTURE BELOW THAT SHOWS THE CORRECT SLOPE, ALWAYS VIEWED FACING THE COIL:



6. SLOPING BOTTOM SLAT TO BE SUPPLIED ATTACHED TO THE CURTAIN?
 YES NO (tick as appropriate) will be supplied attached if not specified

7. WILL THIS DOOR BE CONTROLLED BY A REMOTE CONTROL?
 YES NO (tick as appropriate)
 Please note if a bottom slat transmitter is required it will have to be installed on the side with the shorter guide rail.

8.

OUTSIDE INSIDE

Please tick the appropriate box to indicate how the door will be installed

SLOPING BOTTOM SLATS

IMPORTANT INFORMATION REGARDING SURVEYING AND ORDERING

1. MUST BE ORDERED USING THE ORDER FORM

No orders will be accepted for sloping bottom slats unless they are ordered using the SWS UK sloping bottom slat order form. This will ensure you receive the product you require.

2. NO BOTTOM SLAT LOCKS

Unfortunately it is not possible for us to supply a sloping bottom slat with a bottom slat lock fitted.

3. RUBBER SEAL ONLY

All sloping bottom slats will be supplied with the rubber seal used on our SeceuroGlide range. We are unable to supply a sloping bottom slat with a bottom slat reinforcing handle.

4. NO WOODGRAIN FINISH AVAILABLE

We are unable to supply sloping bottom slats in any of our range of woodgrain finishes.

5. ONLY AEG/X BOTTOM SLAT

Unless supplied with a SeceuroGlide Compact a sloping bottom slat will always be constructed from an AEG/X bottom slat. Please note that this differs from the standard bottom slat supplied with SeceuroShield 77, SeceuroVision 800 and SeceuroGlide. A sloping bottom slat for a SeceuroGlide compact will be constructed from an AEG bottom slat.

6. LIMITED GUIDE RAILS

When a sloping bottom slat is required on a SeceuroShield 60 / 77 or a SeceuroVision 800 / 900 the shutter must have UPH250 (90 mm) guide rails. Please ensure that your survey has taken this into account.

- A SeceuroGlide requiring a sloping bottom slat can be supplied with either H75 or UPH250 guide rails.
- A SeceuroGlide Compact will always require UPH140 guide rails.

7. MAXIMUM WIDTH

The maximum width for a sloping bottom slat is 5000 mm, this is the overall door width including guide rails.

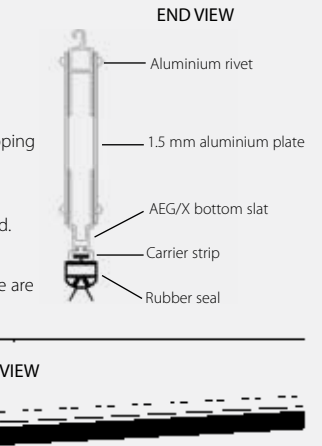
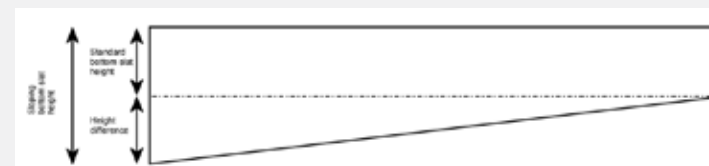
8. MAXIMUM HEIGHT DIFFERENCE (H)

The maximum height difference (H) the sloping bottom slat can accommodate is 250 mm.

When surveying you must ensure that the total height of the sloping bottom slat does not exceed the box end size for the door or you will struggle to load the curtain into the guide rails.

*To obtain the total height of the sloping bottom slat you need to add the standard height of an AEG/X bottom slat (95 mm) or the standard height of an AEG bottom slat (60 mm) to your height difference (H). **You must also ensure your customer is aware that when the door is fully open the sloping bottom slat will remain in the guide rails reducing the clear height available.**

*sloping bottom slat height = Height difference (H) + standard bottom slat height



Customer		Order date		Delivery address		Purchase order no.	
Order placed by (block capitals)		Delivery w/c			POSTCODE	Customer/job ref.	

This order form must be used in addition to the standard shutter order form when removable guide rails are required. Please ensure that you answer all the questions on the form to prevent your order from being delayed.

Please note: This order form is accompanied by information in the right hand column detailing important surveying, ordering and installation advice. Please tick this box to confirm that you have read this information.

1. GUIDE RAIL TYPE(S): (tick as appropriate)

H17 H25 H30 H40/S
 UPH140 UPH240 UPH250

2.

OUTSIDE INSIDE

Please tick the appropriate box to indicate how the shutter will be installed

4. PLEASE SELECT THE SHOOT BOLT TYPE(S) REQUIRED:

*Please note shutters from the SeceuroVision range should be ordered with the lockable option to maintain security

CHROME Non-lockable (default*)
 WHITE OR DARK BROWN Lockable (surcharge)

3. PLEASE SPECIFY THE LENGTH OF ALL OF THE FIXED SECTIONS OF GUIDE RAIL (mm).

– default dimension is 150mm
 – the minimum dimension is 80mm

5. IF THE SHUTTERS ARE GOING TO STOP AT DIFFERENT HEIGHTS DO YOU WANT SWS UK TO SUPPLY THE STOPS?

YES NO (tick as appropriate)
 (If you answer yes we will contact you to discuss this)

ARRANGEMENT 1 *delete as appropriate

INSIDE / OUTSIDE*

Item ref. Item ref. Item ref. Item ref.

Fixed / Removable* Fixed / Removable* Fixed / Removable* Fixed / Removable*

ARRANGEMENT 2

INSIDE / OUTSIDE*

Item ref. Item ref. Item ref. Item ref. Item ref. Item ref. Item ref. Item ref.

Fixed / Removable* Fixed / Removable* Fixed / Removable* Fixed / Removable* Fixed / Removable* Fixed / Removable* Fixed / Removable* Fixed / Removable*

6. SHUTTER ARRANGEMENT:

Please use one of the typical arrangements shown (below left) or use the space provided to show how the shutters will be arranged. **You must clearly show which guide rails are fixed and which are removable and also which side is the inside and which side is the outside.**

CUSTOM ARRANGEMENT:

REMOVABLE GUIDE RAILS

IMPORTANT INFORMATION REGARDING SURVEYING, ORDERING AND INSTALLING

- MUST BE ORDERED USING THE ORDER FORM**
 No orders will be accepted for removable guide rails unless they are ordered using the SWS UK removable guide rail order form. This will ensure you receive the products you require.
- SECEUROVISION SHUTTERS**
 Shutters from the SeceuroVision range should be ordered with the locking option in order to maintain security. This will be included by SWS automatically with the surcharge unless your order requests otherwise.
- HOW WILL THEY BE SUPPLIED?**
 Removable (lower) section of the guide rail will be supplied with the locating lug, skid and bolt attached to the guide.

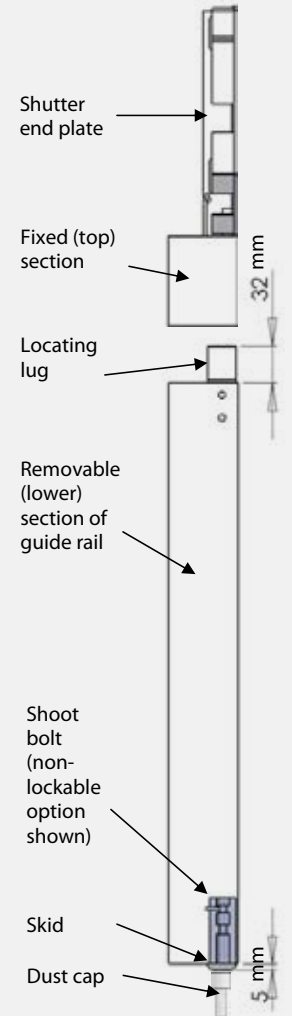
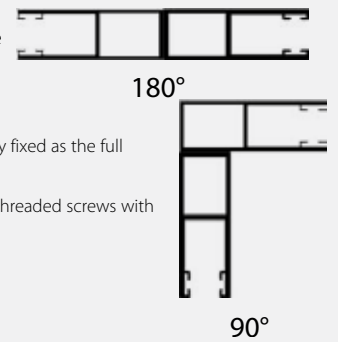
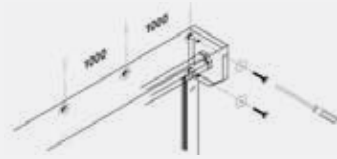
The fixed (top) section of guide rail will be supplied loose with the fixings required to attach it to the end plate. When attaching this section of guide rail ensure that the chamfered end of the guide rail is at the bottom.

The dust caps (bar top recess) will be supplied with the top section of guide rail.

Removable guide rails which meet at either 90° or 180° will be fastened together by SWS UK. Both guide rails will be supplied with skids but only one locating lug and only one shoot bolt per pair of guide rails.

4. IMPORTANT INSTALLATION NOTE
 It is imperative that the shutter end plates are securely fixed as the full weight of the shutter will be taken by these fixings.

End plates require at least 2 1/2 inch 10s or 12s twin threaded screws with brown rawl plugs.



Company Name		Order date		Delivery address		Purchase order no.	
Order placed by (block capitals)		Application			POSTCODE	Customer/job ref.	
Item No.	Indicate the style of gate required on the diagram below			Lift up track is supplied as standard. Indicate here if you require a lift out piece instead:			

ARE YOU INSTALLING THE GATE INTERNALLY OR EXTERNALLY?

INTERNAL EXTERNAL (tick as appropriate)

PLEASE INDICATE HOW YOU ARE VIEWING THE GATE BY SELECTING AN OPTION BELOW:

(tick as appropriate)

DOUBLE GATE

SINGLE LEFT GATE

SINGLE RIGHT GATE

<input type="checkbox"/> Face Fix <input type="checkbox"/> Reveal Fix <input type="checkbox"/> Face Fix Left Reveal Fix Right <input type="checkbox"/> Face Fix Right	<input type="checkbox"/> Face Fix <input type="checkbox"/> <input type="checkbox"/> Reveal Fix <input type="checkbox"/> <input type="checkbox"/> Face Fix Left Reveal Fix Right <input type="checkbox"/> <input type="checkbox"/> Reveal Fix Left Face Fix Right <input type="checkbox"/>	<input type="checkbox"/> Face Fix <input type="checkbox"/> <input type="checkbox"/> Reveal Fix <input type="checkbox"/> <input type="checkbox"/> Face Fix Left Reveal Fix Right <input type="checkbox"/> <input type="checkbox"/> Reveal Fix Left Face Fix Right <input type="checkbox"/>
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OPTION 1

OPTION 2



Fixed Bars Order Form

ORDER FORM Fax: (01524) 772411
 Tel: (01524) 772400
 London Tel: (020) 8540 1717
 Email: orders@sws.co.uk

Customer		Order date		Delivery address		Purchase order no.	
Order placed by (block capitals)		Delivery w/c				Customer/job ref.	
Application (brief description)					POSTCODE	Quote ref.	FQ

Drilling – Indicate: F=Face, R=Reveal, N=Undrilled

ITEM	QTY	OVERALL WIDTH (mm)	OVERALL HEIGHT (mm)	COLOUR	BAR AND FRAME AND TYPE		DRILLING				EXTRAS			PRICE (£)
					20 mm SQUARE WITH 40 mm FRAME	16 mm ROUND WITH 30 mm FRAME	TOP	LEFT	RIGHT	BOTTOM	CUT OUT	LUGS	ZINC PRIMER	

Measurements are in mm and denote overall sizes. The product will be manufactured to the sizes provided; no further deduction for tolerances will be applied. Exchange or return is not possible.

SPECIAL REQUIREMENTS

FOR OFFICE USE ONLY:

ISSUE 1: JULY 2014

ACCOUNT CODE		ORDER NUMBER		METHOD	SWS/	MNFG DATE		LOAD DATE	
TIME RECEIVED		D&T PLNG		ROUTE	A B C D E F G H	DESPATCH DATE		DELIVERY DATE	
D&T PROCESSED		D&T FAXED							



Mesh Grille Order Form

ORDER FORM Fax: (01524) 772411
 Tel: (01524) 772400
 London Tel: (020) 8540 1717
 Email: orders@sws.co.uk

Customer		Order date		Delivery address		Purchase order no.	
Order placed by (block capitals)		Delivery w/c				Customer/job ref.	
Application (brief description)					POSTCODE	Quote ref.	FQ

Drilling – Indicate: F=Face, R=Reveal, N=Undrilled

ITEM	QTY	OVERALL WIDTH (mm)	OVERALL HEIGHT (mm)	COLOUR	MESH PATTERN		FRAME		DRILLING				EXTRAS	PRICE (£)
					DIAMOND	SQUARE	25 mm FLAT	25 mm x 25 mm ANGLE	TOP	LEFT	RIGHT	BOTTOM	CUT OUT	

Measurements are in mm and denote overall sizes. The product will be manufactured to the sizes provided; no further deduction for tolerances will be applied. Exchange or return is not possible.

SPECIAL REQUIREMENTS

FOR OFFICE USE ONLY:

ISSUE 1: JULY 2014

ACCOUNT CODE		ORDER NUMBER		METHOD	SWS/	MNFG DATE		LOAD DATE	
TIME RECEIVED		D&T PLNG		ROUTE	A B C D E F G H	DESPATCH DATE		DELIVERY DATE	
D&T PROCESSED		D&T FAXED							

Notes

Guide to purchasing Shutters

SURVEYING SHUTTERS

When performing a survey, the following steps will help to ensure that each shutter will fit the opening, and that the operation can also be installed comfortably.

GENERAL POINTS TO CONSIDER:

- Use the order forms as a guide during the survey to ensure you obtain all the relevant details during your visit to site.
- It is very important that you assess the requirements of your customer and each situation during the survey taking in to account the following points:
 - Application / level of security required.
 - Location and access (is this the only point of escape).
 - Number of users who will be operating the product.
 - Planning restrictions / requirements.
 - Budget available.
 - Aesthetics.
- It is the distributor's responsibility to ensure that a product is suitable for its intended application. If in doubt, please contact our trade sales department for advice.
- Will the shutter catch on anything that protrudes past the brick-line (i.e. handles)?
- If the window / door opens outwards, will it still open after the shutter is installed?
- Do not forget that the bottom slat will hang down at least 50 mm below the box.
- Has the shutter got a cill to close onto or will cill angle be required?
- Are the walls level both inside and outside?
- Always measure the top, middle and bottom within the window reveal.
- Ensure that there is sufficient room for the shutter box and guide rails.
- Decide which would be the best side for the operator to be on. If electrically operated this may be influenced by the availability of a suitable power supply.
- Make sure there is nothing which may prevent the sweep of a rod crank or geared belt during operation.
- Note the thickness of the walls, walls over 300 mm thick will require an extension bar for crank operated shutters or manual override handles.
- If the shutter is for a doorway is the floor level?
- Please refer to page 1, "Specials section," if you require a product with a specification which is not featured in this price list.

REVEAL INSTALLATION DETAILS

- Will the shutter be installed over a door or a window? (please see page 1 – "DOOR OR WINDOW")
- Ensure appropriate control method selected – see page 65.
- Measure both sides of the reveal to make sure the walls do not run in or out.
- Always work to the smaller size and check that you can still use the operator.
- For the height, measure from floor or cill to the underside of the opening and deduct a 5mm for tolerance; this height will include your shutter box.

FACE INSTALLATION DETAILS

- When face fixing, is your operator hole going to damage anything on the inside of the house (e.g. power cables or sockets)?
- Take care to ensure that the width on the inside of the opening is not larger than the outside. If it is, work to the larger size to prevent the drilled hole breaking through the edge of the internal wall.
- For the height on Crank or Belt operated shutters, take the cill or floor to lintel measurement and add on the appropriate box size. Fitters will have to cut down the guides by approximately 30 mm on site to drill through for the operator below the lintel.
- For the height on Spring balanced or Electrically operated shutters simply take the cill or floor to lintel height and add on the box sizes and bottom rail projection size normally 50mm.

BUILT-IN SHUTTERS

- Built-in shutter box sizes are 200, 225 and 295 mm square, always take measurements from window frames not from drawings.
- A packer may be required on the top of the window frame to ensure the window will not catch on the bottom slat with outward opening windows and doors.

It is advisable to take a spirit level on surveys with a selection of guide rails and box ends or templates of a box ends. This will help you when you are measuring.

PRICING SHUTTERS

Simply decide the type of shutter required, type of operation, appropriate box and guide rails and scale off the price list.

Below is a pricing example:

1 no. SeceuroShield 150 built-on security shutter in white, manual belt operation to be fitted around an opening size of 1350 mm wide x 1200 high.

1350 mm + 106 mm (i.e. 2 x 53 mm H25 guide rails)
= 1456 mm overall width
1200 mm + 165 mm box
= 1365 mm overall height

(increase height to allow for bottom slat hang down if desired)

The price band is 1500 mm x 1400 mm = £382.00 excluding VAT, less discount, plus £40.00 delivery if the total order value falls below £400.

SHUTTER ALTERATIONS

We appreciate that from time to time due to unforeseen circumstances it is may be necessary to alter the size of a shutter after it has been ordered. Once we have started manufacturing it, this can cause a considerable amount of additional work. Some or all of the components may have been cut. Moreover, all documentation including cutting sheets has to be recalled from the factory, a new set of paperwork issued and the work rescheduled. In view of this we make a minimum **£15.52** administration charge depending on what work has been completed. Please bear this in mind if your customer asks to make any changes.

On orders already delivered it is relatively simple to reduce a shutter's height. Increasing the height of a shutter is much more involved as it may necessitate replacing guide rails, axle, box, end plates etc. Reducing a shutter's width is again possible, but is best carried out in our factory.

RECOMMENDED MINIMUM FIXINGS

- Please note SWS UK does not supply fixings with any of the products featured in this price list.
- End plates and guide rails secured to masonry or wood must be fixed using at least 2 1/2" x 12s (steel countersunk hardened & zinc plated) with penny washers. When fixing to masonry a 7mm hole is required in conjunction with a brown Rawl plugs. When fixing to steel use at least 1" x 12s self drilling / tapping screws (steel hardened & zinc plated)
- Every shutter box must be secured at 1 metre centres using at least 1 1/2" 10s (steel countersunk hardened & zinc plated) with penny washers.
- The above are the minimum requirements. Installation engineers must assess the structural integrity of the building material to be fixed to, combined with any environmental influences (strong winds) and the level of security required.
- It is always far preferable to use too many fixings than too few.

WIND LOADING

As of July 2013, to comply with the Construction Products Directive, all shutters which are manufactured for installation over door ways must be tested by a notified test body for their wind loading capability, as per BS EN 12424 and 12444. For doors fitted on to an external façade they must reach a minimum of Class 2. During testing both sides of the curtain must be tested.

SUMMARY OF WIND LOADING CLASSIFICATION:

Product	Conditions	Classification
SeceuroShield 38	H30 guides, up to 4 m wide	2
SeceuroShield 38	H30 guides, up to 3.5 m wide	3
SeceuroVision 38	H30 guides, up to 3 m wide	2
SeceuroShield 38	H40/S guides, up to 4 m wide	3
SeceuroShield 60	UPH250 guides, up to 5 m wide	3
SeceuroShield 60	UPH250 guides, up to 6 m wide	2
SeceuroShield 75	UPH250 guides, up to 6 m wide	2
SeceuroShield 77	Up to 4.8 m wide	3
SeceuroShield 77	Up to 5.4 m wide	2
SeceuroShield 800	Punched & glazed, up to 6m wide	2

Wind Loading Classification	Pressure (pa)	Wind Speed (mph)	Beaufort Scale		
			No.	Description	Conditions
2	Above 460	59	10	Storm	Trees uprooted, considerable damage
3	Above 700	73	11	Violent Storm	Wide spread damage
4	Above 1000	88	12	Hurricane	Wide spread damage

Guide to purchasing Retractable Security Gates

SURVEYING RETRACTABLE SECURITY GATES

When performing a survey, the following steps will help to ensure that each gate will fit the opening. Wherever possible the following notes should be used in conjunction with a brochure.

GENERAL POINTS TO CONSIDER:

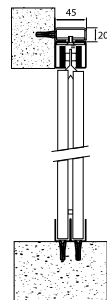
- We recommend that wherever possible retractable gates are fitted internally to enhance security and ease of operation.
- Where an external installation is desirable, the insurance approved SeceuroGuard 1001 is the most suitable option. We recommend that all externally fitted gates should be ordered in a dark colour as some corrosion will appear over a period.
- Always check what material has been used in the construction of the opening. This is essential when fitting an LPCB approved product. Fixing into plasterboard or Thermalite block is not acceptable.
- Please be mindful that SeceuroGuard gates weigh 19kgs per square meter and as such require a very secure fixing for the top track. Although not an option on the LPCB approved SeceuroGuard 1001, it is possible to make SeceuroGuard 1000 bottom running to channel some of the weight through the bottom track.
- Will the gate catch on anything that protrudes from the window or surround (i.e. handles)?
- If the window / door opens inwards, will it still open after the gate is installed? If not a face fit installation may be appropriate.
- Are the walls level inside the opening? It is advisable to take a spirit level on surveys.
- Consider the size and side of the gate's sash or whether bi-parting is a better option.
- If fitting in or around a doorway, we recommend the use of folding or removable bottom tracks from a health and safety point of view.
- Where access is required at both side(s) of an opening, consider opting for a floating sash.
- Where fixed security is required, SeceuroGuard 1000 & 1001 can be manufactured as fixed panels. This option is particularly useful for protecting low height apertures.
- You must take into consideration during the survey that SeceuroGuard's which are different sizes, on the same elevation may contain different numbers of lattices and pickets. See the tables showing the changeover points on the following page.

REVEAL INSTALLATION DETAILS

- Will the gate's sashes obscure more of the window than a client is prepared to accept? If so a face fit installation may be appropriate.
- Always measure the top, middle and bottom within the window reveal.
- Always work to the smaller size and if appropriate use packers to ensure the gate is square in the aperture.
- For the height, measure from cill or floor to the underside of the opening and deduct a 5 mm for tolerance.

FACE INSTALLATION DETAILS

- When face fixing, is the wall flat? Look out for uneven plaster that might catch on the gate's sashes as they slide open. It is still possible to install a gate under these circumstances by packing it off the wall to achieve adequate clearance.
- When quoting please remember to add on the width of the gates sashes and add the cost of a fixing frame.
- A standard fixing frame kit comprises one 20mm high 'C' section that comes attached to the top track. This is suitable for doorways – see illustration, right.
- When face fitting around a window, it is advisable to order an additional length of 'C' section that is attached to the bottom track in our factory. If you require this 'C' section for face fitting the bottom track you must specify this in the special requirements section of the order form.



PRICING RETRACTABLE SECURITY GATES

Firstly, decide on the level of security required i.e. standard SeceuroGuard 1000 or insurance industry (LPCB) approved SeceuroGuard 1001. Secondly, consider the type of installation, i.e. reveal or face fitted. Finally, any optional extras such as folding bottom tracks etc. Unlike some companies, we charge the same price for single or bi-parting sashes and for straight or decorative 'S' lattices.

Below is a pricing example:

1 no. Reveal fitted SeceuroGuard 1000 (single sash) in white, to suit a window reveal size of 1550 mm wide x 1150 mm high.
 1550 mm (price band width = 1600 mm)
 1150 mm (price band height = 1200 mm)
= £466 excluding VAT, less distributor discount, plus £40.00 for delivery if the total order value falls below £400.

PICKET QUANTITY CHANGEOVER

SINGLE SASH

GATE WIDTH	BUNCH QUANTITY
500	5
560	6
690	7
820	8
950	9
1080	10
1210	11
1340	12
1470	13
1600	14
1730	15
1860	16
1990	17
2120	18
2250	19
2380	20
2510	21
2640	22
2770	23
2900	24

DOUBLE SASH

GATE WIDTH	BUNCH QUANTITY
1000	5
1160	6
1420	7
1680	8
1940	9
2200	10
2460	11
2720	12
2980	13
3240	14
3500	15
3760	16
4020	17
4280	18
4540	19
4800	20
5060	21
5320	22
5580	23
5840	24

LATTICE INCREMENTS

GATE HEIGHT	NUMBER OF LATTICES
0 - 999	1
1000 - 1599	2
1600 - 2099	3
2100 - 2699	4
2700 - 3500	5

MANUFACTURING SIZES AND TOLERANCES

All products are manufactured to the sizes given on your order. It is therefore important that you make any deductions or additions which may be necessary before placing your order. Reveal Fitting – we normally recommend that 5 mm is deducted in total from both the width and height.

Face Fitting – If you are face fitting around an opening, which must be a clear opening, you should take into consideration the following:

WIDTH

- Bunch sizes, please refer to the bunch size charts provided (see pages 35).
- If you require folding tracks add 60 mm to the bunch size for each folding track.
- If you require the hinge aside option the bunch size should be increased by a further 30 mm per bunch.

HEIGHT

- Allow for the height of the top track and if applicable the height of the bottom track.
- If you are face fixing the top or bottom tracks you should allow an extra 20 mm for the fixing frame required. The manufacturing height you supply on your order should include this fixing frame where appropriate.

All dimensions must be supplied in millimetres. To convert from inches to millimetres multiply the dimension in inches by 25.4.

If you require assistance with converting from imperial to metric there is an imperial to metric calculator on the SWS UK website www.swsuk.co.uk

RETRACTABLE SECURITY GATE ALTERATIONS

Although not impossible it is very difficult to reduce a retractable gate in height. Increases in height are not possible, however there is the option to use a packer to bridge any gap. Like shutters, a gate's width cannot be increased but may be reduced, however please bear in mind that this will reduce the distance between pickets and therefore the level of vision.

For further information refer to the SeceuroGuard technical guide.

TERMINOLOGY

The following lists the preferred terminology applied to SeceuroGuard gates (in Bold) and alternatives which are also in common use:

SASH	Bunch / Stack / Hand
TOP TRACK	Top runner / Top Rail / Top Guide
FOLDING TRACK	Lift up / Hinge (should not be used -can be confused with the hinge aside option)
REMOVABLE TRACK	Lift Out / Lift Off
HINGE ASIDE	Hinging Sash / Swinging Sash / Fold Back
C-SIDE FIXING FRAME	C-Side / Reinforcing for Top Track / Strengthening for Top Track
REVEAL FIXED	Between Walls / Recess
FACE FIXED	Surface Mounted / Plant On
BI-PARTING	Double / Double Draw / Split
KEYED ALIKE	Suited / Same

Guide to Electrically Operated Shutters

QUICK GUIDE TO ELECTRICALLY OPERATED SHUTTERS, OPTIONS AND ACCESSORIES

Electric Motors are required on larger shutters and are optional on smaller shutters. Tubular motors fit inside the axle and operation is by push button momentary switch, key switch or remote control. A manual override can be specified to operate from inside. Where desirable a manual override can also be engaged through the outside of an externally fitted shutter box. Under these circumstances a lockable override cover is available as an optional extra to maximise security. Multi-shutter electric installations can be wired to operate from group switches using a group command only. Ask for further details. Care should be taken to ensure that such installations are in line with current Health and Safety legislation.

MOTOR CONNECTION

You will need to connect the motor to either a momentary switch or a control unit. Power should be supplied via a 13 amp switched fused spur or a 13 amp switched plug socket. It is suggested that the power is provided by an 'unprotected' fused spur as the motor on startup may trip the RCD on the main fuse board (if fitted). Plugs and spurs should be fitted with a 3 amp fuse. Ensure power is switched off before any electrical connections are attempted.

POWER REQUIREMENT

A Shutter up to 5sqm/50kg typically draws 1.1A/240W
A Shutter up to 10sqm/100kg typically draws 1.5A/320W

CE MARKING

All SWS shutters are compliant with the relevant standards:

- The supply of machinery (safety) regulations 1992.
- Construction Product Regulations (BSEN13241-1).

For further CE information see page 2.

All electrical installations must comply with the IEE wiring regulations (BS 7671) 17th edition (current). If in doubt consult a qualified electrician. It is the responsibility of the installer to CE mark electrically operated products – see page 2 for further details.

SAFETY FIRST

To comply with current health and safety legislation, the operator of an electrically operated shutter(s) must monitor the progress of the shutter(s) throughout operation. If this is not possible a safety device must be fitted to stop an obstructed shutter during operation. Alternatively, an audible and visual warning must precede the operation of the shutter(s) on each elevation of the building where a shutter is installed.

Due to risks associated with unattended open roller grilles (SeceuroVision 900) and shutters (unglazed SeceuroVision 38 & 800) we do not recommend the use of remote control systems even when fitted with dual photo cells. Under these circumstances a hold-to-run switch should be used in full sight of the product. Alternatively, consider using a fully glazed version of SeceuroVision 38 & 800.

MOTORS

HiPro tubular motors are a new generation of motors designed for the professional installer. These motors incorporate several design features, which make installation a quick and trouble free operation.

All Somfy motors feature:

- Rapid-set push button limit switches
- Clip-on drive adapters
- Multiple mounting positions of motor head
- Wide crown wheel for improved tube fit
- Supply cable via removable connector



LIMITS

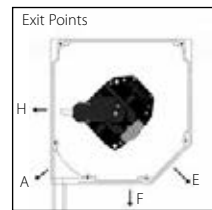
LIMIT SETTING DETAILS

Always use a motor test lead Ref: EC40900 (see page 24)

Two positions have to be set: the UP and DOWN positions, this is where the motor will stop automatically.

1. Ensure the control switch is in the OFF position.
2. Remove the protective cap from the head of the motor.
3. Fully depress both limit switch buttons. They will automatically lock in the down position. Operate the control switch and check the direction of rotation. If it is incorrect, turn the switch OFF, reverse the black and brown motor direction wires and try again.
4. Identify the UP limit switch push button. Press the control switch to the UP direction until the required position is reached then turn the switch OFF.
5. Unlock the UP limit switch push button by depressing and releasing it to set the limit.
6. Repeat the above operation to set the lower limit.
7. Check with the control switch that the motor stops at the UP and DOWN positions just set.
8. Refit the protective cap (take care not to depress the push buttons).

MANUAL OVERRIDE SHUTTERS



Not all exit options will be possible on certain shutters.

If a manual override is required for use in the event of power failure this must be specified at the time of ordering. There is a choice of technical solutions for the handle mechanism which operates the override, principally dependent upon whether the shutter is installed internally or externally and whether the override is to operate from inside or outside the building. Override locks and the low level external override are available at a surcharge. All specifications refer to a 205 mm box or larger. As standard, the low level external override can now be operated from both the inside and outside.

USE OF MANUAL OVERRIDE SHUTTERS

Clear instruction must be given to users on the manual override winding direction to raise the shutter. Winding the shutter downwards beyond the normal stop point will damage the shutter. To help avoid this we supply a swing ticket.

EXTERNALLY FITTED SHUTTER WITH EXTERNAL OVERRIDE

A removable 45° joint crank handle is inserted into the motor. The exit hole is filled with an 18mm cover cap or an optional lockable override cover. Only available on shutter box exit 'E'.



EXTERNALLY FITTED SHUTTER WITH INTERNAL OVERRIDE

A permanently installed internal 90° handle, exit A or H can often be specified subject to final survey and dependent on the construction of the building specification.

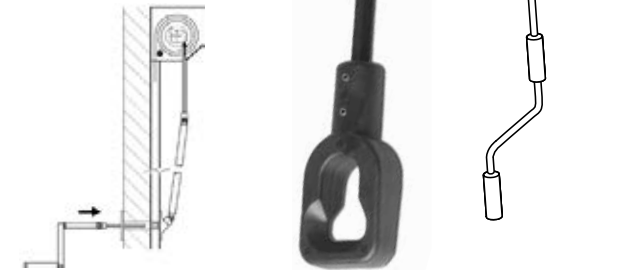


INTERNALLY FITTED SHUTTER WITH INTERNAL OVERRIDE

A fixed eye can be supplied at shutter box exit 'F' with a removable hooked handle of 1100mm as standard. Alternatively a fixed 45° joint crank handle can be supplied at box exit 'E' or 'F'.

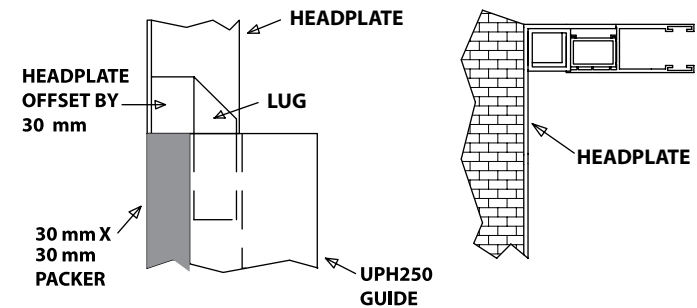
INTERNALLY FITTED SHUTTER WITH EXTERNAL OVERRIDE

The low level external override (exit F) is operated by unlocking the override cover plate and inserting the winding handle. As standard the low level external override can now be operated from both the inside and outside.



MOTOR BOX EXTENSION

A box extension is required on built-on SeceuroShield 60/75/800 shutters when the curtain weight exceeds 172kg on a 4" axle and 134kg on a 5" axle. Please refer to the appropriate price table to identify when a box extension will be required. The projection is just 30 mm for face fixed shutters. If the shutter is reveal fixed the gap is made up using a 30 mm packer, as shown in the illustration. The overall width used when pricing and ordering shutters with box extensions is the overguide width (not including the box extension or 30 mm packer). If you are in any doubt please contact your Trade Sales Account Manager.



Guide to Electrically Operated Shutters



CONTROL EQUIPMENT SELECTION FOR SHUTTERS FITTED OVER DOORWAYS

As standard all electrically operated shutters will be supplied with an Inis Uno single pole hold to run switch. It is your responsibility to determine the appropriate control equipment for each application and notify us in writing on your order if you require non standard control equipment. This selection must take into account the minimum levels of safeguarding required for the bottom slat (main edge) and also the quantity of shutters being operated. The table below summarises the minimum levels of safeguarding for doorways and serverys, please note this is our interpretation of BS EN 12453:2000 Clause 5.5.1.

BS EN 12453:2000 CLAUSE 5.5.1

The minimum levels of safeguarding of the main edge are listed in the table below:

Type of door activation	Types of use		
	Trained users (no public)	Trained users (public)	Untrained users
Hold to run control	Hold to run	Hold to run switch key switch or similar	not possible
Impulse activation in sight of door (impulse switch)	Safety edge	Safety edge	Safety edge & PEC*
Impulse activation out of sight of door (remote control)	Safety edge & PEC*	Safety edge	Safety edge & PEC*
Automatic control (Time clock / auto clock)	Safety edge & PEC*	Safety edge & PEC*	Safety edge & PEC*

*PEC = Photo Electric Cell (safety photo cell)

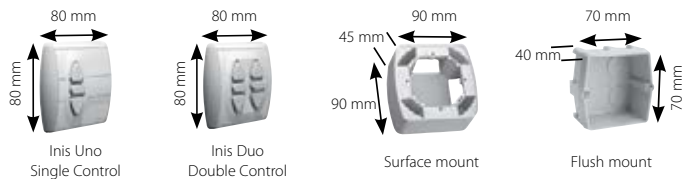
EXAMPLES:

- Trained users (no public) – Domestic garage doors, Private offices
- Trained users (public) – Domestic garage doors opening directly on to public, Shop shutters
- Untrained users – Large corporate companies, schools, public buildings, multi users where training can not be guaranteed

HOLD TO RUN CONTROLS

SWITCHES

The Inis Uno and Inis Duo are for controlling either one or two shutters respectively. As standard all switches will be supplied with a back box for surface mounting but an alternative flush mounting back box can be requested.



KEY SWITCHES

Key switches provide a more secure hold to run control method. They are available as either single or dual pole for controlling either one or two shutters respectively.

Two way single pole momentary and dual pole momentary key switches are available as an option for security controlled operation.



RB04 GROUP CONTROLLER

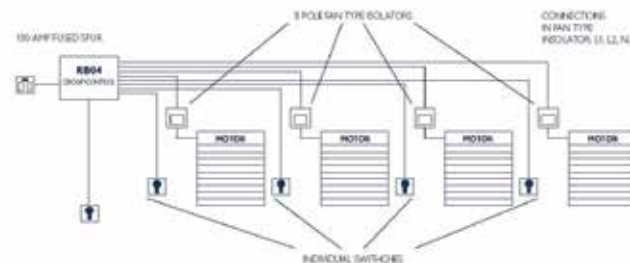
- The RB04 group controller is directly compatible with the SeceuroSmart Professional remote control, KS02 anti-tamper controller and Promate.
- The RB04 group controller allows the user to control up to four shutters simultaneously by wiring the control into a switch.
- The RB04 enables individual control of each shutter, sub-group control and master control.
- The control wiring to the switches is extra low voltage (24VDC) protecting the installer and user from electric shocks by either direct or indirect contact.
- RB04 control units can be grouped together allowing an unlimited numbers of shutters to be operated simultaneously from one switch.
- RB04 RB04 can be wired in to fire and burglar alarm panels enabling shutters to close in an emergency situation.
- A hold to run switch in sight of the shutters is recommended when using a group controller.

WIRING DIAGRAMS

Wiring diagrams for many of our switches and control units are available from the Online Distributor Area at www.sws.co.uk/wiringdiagrams Contact Marketing for further details.



GROUP CONTROLLER DIAGRAM



KS02 ANTI-TAMPER CONTROLLER

- The KS02 anti-tamper controller is supplied with an anti-tamper key switch as standard.
- If the key switch is attacked by vandals or thieves the KS02 is disabled preventing unwanted operation of the shutter by thieves.
- The KS02 can be linked to a burglar alarm which can be activated if the key switch is attacked.
- The control wiring to the key switch is extra low voltage (24VDC), protecting the user and installer from the risk of receiving both direct and indirect electric shocks.

PROMATE

ProMate is a dedicated control unit designed for single phase tubular motors.

KEY FEATURES:

- Low carbon footprint <0.5 watts.
- Designed for installers without electrical qualifications.
- Dynamic user interface, simple and easy to understand.
- Plug and play battery back-up (optional).
- Compliant to 13241-1.
- Touch safe voltages for all inputs.

BATTERY BACK-UP

KEY PRODUCT FEATURES:

- Provides back up for 12 hours
- Instantly activates in the event of a power failure
- LCD display showing battery level and power being consumed
- Independent on/off button
- Power leads supplied as standard
- 3 pin plug with 5amp fuse required (not included with kit)
- Unit shuts off when battery levels are low to protect the batteries
- Optional mounting bracket available for a surcharge (must be requested)
- When used with a SeceuroSense remote control the anti-entrapment feature must be deactivated in the remote control and a box lid fitted on all doors less than 2.5 m in height



From brochures and point of sale boards to samples and an interactive website, our Marketing Team offer a comprehensive support service which can be catered to your specific needs...

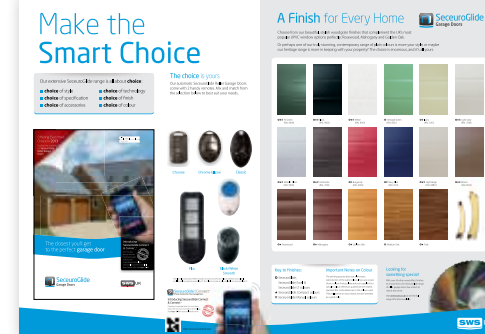
WWW.SWS.CO.UK

The SWS UK website is continually developing to provide a useful and informative resource for influencers, specifiers, distributors and end users. The website has a number of key features including **detailed product information**, informative **videos** and **graphics** and **useful tools** such as RAL charts and all the latest news.



POINT OF SALE

Point of sale displays can make a real impact in a show room or as part of a demonstration. Our displays have been specifically designed to highlight the key benefits and features of our product range. They can be ordered by contacting your Regional Sales Manager.



RESOURCES AT THE CLICK OF A BUTTON

The **Distributor Section** of our website offers a range of invaluable resources including online ordering, downloadable brochures and images. To gain access to this exclusive section of the site please register for a username and password by calling a member of the Marketing Team on **01524 772413**.

Online ordering for all products ensures that we receive all the required information to process your order quickly and efficiently. There is also a download area for literature, price lists, fitting instructions and CE documentation. Plus an image gallery for downloading high resolution jpegs used in SWS UK catalogues



EXHIBITIONS

Exhibitions are an excellent opportunity to advertise your product range, generate enquiries and meet new customers. SWS UK have a range of exhibition materials available on a loan basis. Furthermore, your Regional Sales Manager will be happy to assist with local exhibitions and events. They can provide support on set-up/take-down days and manning the stand. If you are interested in this service, please contact the Marketing Department at least three weeks before the event. Support is provided on a first come, first served basis.



SHOW TRAILER

SWS UK's Showtrailer features a wide variety of our products in one mobile unit. Ideal for generating sales from county shows, supermarkets, garden centres and open days our show trailer is a sure winner.

The Showtrailer is available to hire at **£200**. Please contact the Marketing Department for further details.



INSIDER NEWSLETTER

SWS UK produce regular e-shot which keep you up to date with our latest developments and important industry news. If you are not subscribed please call: **01524 772413** to register your details.



PHOTOGRAPHY

We have an extensive database of high resolution images that are available on CD-ROM. These can be used for brochures, flyers, display boards and vehicle graphics. Simply contact the Marketing Department to discuss your requirements.



From brochures and point of sale boards to samples and an interactive website, our Marketing Team offer a comprehensive support service which can be catered to your specific needs...

BROCHURES

We offer a full range of documentation including full colour product guides, technical guides and fitting instructions. These are available as hard copy or as a download from the SWS UK website.



EVENTS

ATTACK DEMONSTRATIONS

Events can be staged at SWS UK, distributor premises or other suitable venues. If you would like to organise a presentation for local insurers, police or end users, we will be happy to stage an attack test at the heavily subsidised rate of £200 per event.

Alternatively gate and garage door **attack DVDs** are available for free, plus the garage door attack test can be viewed at www.swsuk.co.uk for more details please contact the Marketing Team on 01524 772413.



ORDER FORMS

Order forms are available in this price list or can be downloaded from the distributor section of the website.



IN THE KNOW

Whether you are a new or existing distributor our **training seminars** are a perfect way to stay informed about all our latest developments.

These one day seminars are held at our head office near Lancaster beginning at 9:30am and finishing at approximately 4:30pm. Delegates meet key members of staff, tour our modern factory and also have the opportunity to discuss the market with others from the industry.

Topics for each of these include:

- Product range & specifications
- Popular applications
- Surveying, pricing & ordering
- Installations
- Troubleshooting
- Health & Safety (including CE marking)

BOOKING

For further details and to book your place on one of the above seminars, please contact the Marketing Team on 01524 772413.

BESPOKE SEMINARS

We also frequently carry out seminars dedicated to one company for groups of 5 people or more. To discuss your seminar requirements contact the Marketing Team on 01254 772413.

SAMPLES & SWATCHES

Working samples and swatches are an invaluable tool when demonstrating any of our products. We offer a full range of shutters, gates, bars, sample sections of slats and colour swatches. **These can be ordered from your Regional Sales Manager.**



Shutter and Gate Sample

Each of the three elements is 910 mm wide x 2100 mm high. When assembled the display requires a floor space of approximately 2500 mm wide by 1000 mm deep along with 2 x single plug sockets.



Portable retractable security gate sample
£80, delivery FOC with orders



Portable electric shutter sample
£100, delivery FOC with orders
Portable manual shutter sample
£70, delivery FOC with orders



Shutter curtain & guide samples
Supplied FOC with orders



Retractable gate colour swatches
Supplied FOC with orders



Portable removable window bar sample
£30, delivery FOC with orders

GENERATE ENQUIRIES FOR FREE

WANT TO KNOW THE SECRET? IT'S SIMPLE!

Press coverage can be a fantastic way to generate interest, promote your business and essentially increase sales. A good news story can do wonders to create a buzz and bring enquiries flooding in. We know that PR can seem a bit daunting and so our dedicated Marketing Team can offer you a comprehensive package of support including:

- Support from our PR company
- Professional photographer
- Coverage on our website

WANT TO KNOW MORE?

Contact Marketing on (01524) 772413 or email marketing@swsuk.co.uk.



Colours & Powder Coating

INTRODUCTION

Polyester powder coating is a surface finish applied to shutters and retractable gates in a solid, powder form after careful pre-treatment of the surface. The coating is fused by heat to produce a continuous film and curing of the coating gives its design properties. The result is a high performance finish that delivers exceptional corrosion protection, durability and resistance to yellowing making it suitable for both interior and exterior use. The process is virtually emission free, so is environmentally friendly.

FEATURES

- Typically 60-80 Microns coating thickness
- Excellent corrosion protection
- Superior colour stability
- Tough yet highly flexible

Extruded profiles and the aluminium shutter box profiles are powder coated in a satin finish (unless stated otherwise).

GLOSS LEVELS

Gloss (80% +/-5%): A highly reflective smooth surface. Gloss surfaces due to their highly reflective appearance tend to highlight surface imperfections.

Satin (65% +/-5%): A satin finish is not as reflective as the gloss finish and because of this is less likely to show any surface imperfections. Satin finishes also provide a good surface for cleaning and resisting abrasion. Unless stated otherwise this is the standard finish supplied.

Matt (30% +/-5%): A matt finish due to the low gloss level is very good at concealing surface imperfections. Due to the textured finish the surface is more difficult to clean than a surface with a higher gloss level.

TOUCH-UP PAINT

For repairing minor blemishes to the finish surface touch-up paint is available

Touch-up paint pot (25ml) Code: PC100P0 PRICE: **£5.19**

NOTES:

All colours are supplied in Satin as standard, Matt & Gloss are available.

Bands Standard, A and B are available on gates as standard.

Other RAL and BS colours are available, please contact your Account Manager for further details.

There is a minimum powder coating charge of **£67** net.

Please note: We cannot powder coat SeceuroShield 150.



To see the full colour bands with the full range available visit www.sws.co.uk/ral-colour-chart

STANDARD COLOURS – FOC



BAND A – £36 PER m² For complete shutter (or curtain) using a colour listed in the band below.



BAND B – £46 m²



BAND C – £56 m²



PRICES FOR BOXES AND GUIDES FOR EACH BAND:	STD	A	B	C	D
Minimum powder coating charge		£67.60			
205 mm or smaller box and end plates (used if curtain does not require powder coating)	FOC	£23.39	£29.99	£36.59	POA
Guide rails and bottom slat to go with above	FOC	£6.09	£7.82	£9.54	POA
250 mm or smaller box and end plates (used if curtain does not require powder coating)	FOC	£32.58	£41.78	£50.97	POA
Guide rails and bottom slat to go with above	FOC	£6.68	£8.56	£10.45	POA
300 mm or smaller box and end plates (used if curtain does not require powder coating)	FOC	£37.60	£48.21	£58.80	POA
Guide rails and bottom slat to go with above	FOC	£7.52	£9.64	£11.75	POA

Delivery, Packing & Warranties

DELIVERY SERVICE

Our standard delivery service covers England and Wales weekly, Scotland and Ireland fortnightly.

Pricing includes delivery on all orders over **£400** on our standard weekly service to England and Wales. Additional chargeable deliveries can often be arranged with your Internal Account Manager. We also offer home/site delivery service options with one or two men depending on the size of delivery and site conditions.

Delivery confirmations for our own dedicated service will be emailed or texted the previous afternoon if AM or PM the following working day. Please ensure an email address and/or mobile number is supplied on your order.

DELIVERY CHARGES

Over £400 net on standard run	Nil
Under £400 net on standard run	£40.00
All orders required on a different day to standard delivery run	POA
Collection from distribution depot	Nil
Pre agreed time slot for standard deliveries	£45.00
Site delivery charge one man offload	£60.00 extra
Site delivery charge two man offload	£100.00 extra
Redelivery of goods	£37.50 extra
Deliveries to Scotland	£35.00 per drop
Deliveries to Ireland	£65.00 per drop

Commercial Shutter charges

Over £500 up to £1999 on standard run	Nil
Over £2000 up to £4999 on standard run	£50 Due to weight
Over £5000 on standard run	£75 Due to weight

Carrier Services	Price £
Component items up to 5kg (Including singular tube motors)	£10.00
Component items up to 20kg	£28.00
Delivery & packaging of fragile items over 20kg	£70.00
Pre 10.30 am	£37.50 extra
Pre noon	£27.50 extra
Saturday pre noon	£47.50 extra

Additional surcharges apply on the following:

Ireland, Isle of Man, Channel Islands & Scottish off shore	£70.00
Isle of Wight, Grampian & Highlands	£25.00
Devon & Cornwall	£12.50

*orders over 6.1m require specific pricing and delivery arrangements

Next day palletised deliveries are available:

Sizes are: 1.2, 2.4, 3.6 & 4.8 m. Please allow 200 mm for packaging.

Palletised deliveries over 3.6m are only available on a 3 day run.

Prices are available from your Account Manager.

Due to delays we are unable to deliver to shipping companies located near shipping ports.

LOCAL COLLECTIONS

For urgent orders in certain areas of the country collection is possible from our 4 distribution depots

Scotland (Livingston) 6 Oakbank Park Place Mid Calder Livingston EH53 0TN	South West (Bristol) Nightfreight (GB) Ltd 18 Pucklechurch Trading Estates Bristol BS16 9QH
Midlands (Willenhall) Nightfreight (GB) Ltd Unit 1 Bays 1, 2, 3 East Acre, Off Long Acre Willenhall WV13 2JZ	South East (Hoddeston) Nightfreight (GB) Ltd Units 11-13 Trident Industrial Estate Pindar Road, Hoddesdon Hertfordshire EN11 0SF

COMPONENT ORDERS

All small component orders required next day **must be received by 2 pm the day before** delivery. Orders placed on a Friday **must be received by 12 noon for delivery on Monday.**

If you require powder-coated items, please allow an additional 24 hours at least from the receipt of order. Items for assembly need to be booked in for manufacturing – for example complete shutter curtains. Please allow a minimum of three working days depending on the delivery method.

Regrettably it is not possible to send items over 5 m in length by overnight carriers.

IMPORTANT DELIVERY NOTE

The most cost effective and safest way of delivering orders is via our own transport. Please try to tie orders in with your normal delivery runs wherever possible.

In the event of using a carrier, we need to use reinforced packaging.

CRATE CHARGES

We can offer delivery by crate on a POA basis. Please speak to your Account Manager.

PACKAGING

Over recent years we have refined our use of packaging to reduce the likelihood of goods being damaged in transit.

- Shutter boxes are packed individually using bubble wrap and / or cardboard.
- Curtains / guide rails are packaged using bubble wrap and / or cardboard.
- Aluminium packers are typically packaged with guide rails on the same order.
- Where overnight carriers are used, curtains and guide rails are also wrapped in bubble wrap and cardboard.
- With the exception of spring operation, shutters are supplied with an accessory box containing: switches, swivel belts, crank handles, keys and installation documentation as appropriate.
- Cardboard boxes are secured using nylon banding for ease of opening. These must not be used as a handle for lifting.
- Water resistant film can be added to cardboard packages at additional cost.

- Retractable security gate sashes and tracks are packaged separately in several layers of bubble wrap.
- Keys for retractable gates are packaged in a bright yellow Jiffy bag attached to the end of the sash.

DELIVERY CHECK-LIST

A. Pre-delivery

- A postcode must be supplied for all delivery addresses.
- We currently operate a range of delivery vehicles. It is therefore important to check the lorry's dimensions when arranging a delivery for the first time.
- If you require a delivery to site you must supply us with a contact name and a contact telephone number of the person who will assist the driver to unload.

B. Receipt of goods – own premises

- We require a person to assist off-load, check and sign for goods.
- For large deliveries, please ensure you have several people to assist, this will minimise any delays for subsequent customers.
- Deliveries received must be checked before signing the delivery note. It is not possible to claim compensation for damaged or missing items unless highlighted on the drivers delivery notes. If possible take a copy of this documentation for future reference.

C. Receipt of goods – to site

- Deliveries will only be made to site if an installer is present to assist the driver with unloading and to check and sign for the goods.
- For large deliveries, please ensure you have several people to assist, this will minimise any delays for subsequent customers.
- Before the goods arrive, please prepare a location to unload and store the items safely and securely.
- Deliveries received by overnight carrier must be checked before signing the delivery note. It is not possible to claim compensation for damaged or missing items unless highlighted on the drivers delivery notes. If possible take a copy of this documentation for future reference

D. Claims for damages

- Please check the contents of your order against the delivery note on the day received. Care should be taken when using sharp objects to cut through the packaging.
- Claims for missing or damaged items will only be processed if the drivers delivery note has been signed for as damaged or missing and must be reported within 2 days of delivery.

IF YOU SUSPECT DAMAGE Please fully inspect the product prior to signing. If the product is damaged, clearly state "DAMAGED" when signing the consignment note. Signing as "Unchecked" is insufficient.

WARRANTIES

SeceuroShield products are guaranteed against defect of material or workmanship by SWS UK, subject to the correct installation, maintenance and operation for a period of 2 years from the date of purchase. In addition the Somfy motors used on the shutter

range are guaranteed for 5 years against faulty materials and workmanship.

Where a warranty is upheld, SWS UK will supply all necessary parts to enable distributors / installers to complete a satisfactory repair. The warranty terms do not extend to cover labour and consequential loss arising from any claim.

RETURN & REPLACEMENT PARTS

Occasionally it may be necessary to return an item to us. Please contact your Account Manager for an NCR number and ensure that the product is packed appropriately and clearly labelled with the number given.

The return goods note is a two part document, there is a copy for you to retain and a copy to be sent back with the goods. If the goods are being returned by post, please send this for the attention of the Quality Department with the returns note. Should you require the goods to be collected by SWS UK, please contact your Account Manager to arrange this. Collections by SWS UK will be made within 10 working days of notification in most cases.

Replacement parts

Before requesting any replacement parts, please ensure that a Damage Identification Sheet is completed and returned to customerservicesfaxes@swsuk.co.uk along with a photograph. Your parts will then be despatched by the most effect method of transport. If you have any queries, please contact your Internal Account Manager.

CONDITIONS OF SALE

All goods are offered for sale in accordance with our standard conditions of sale, a copy of which is available on request, and is reproduced on our web site www.swsuk.co.uk.

Contact us

HOW TO ORDER

By fax 01524 772411 (orders only)
Online www.sws.co.uk
By email orders@sws.co.uk, or for **London**, London.orders@sws.co.uk
By post SWS UK, Hornby Road, Cloughton Lancaster LA2 9LA

Please photocopy the order forms provided within this price list, additional copies are available on request

SPECIAL REQUIREMENTS

If you cannot find the product that you require in our price list please call our trade sales department and we will endeavour to help you.

TRADE SALES DEPARTMENT

If you wish to make a technical enquiry, require a trade quotation, or lead-time, our Trade Sales Department is here to help. They are available on the numbers listed below:

South East England	
Sales Office Account Manager	01524 772422
South West England, South Wales, Midlands,	
Sales Office Account Manager	01524 772401
Central England	
Sales Office Account Manager	01524 772404
North England, Scotland, North Wales, Ireland	
Sales Office Account Manager	01524 772423

OTHER USEFUL CONTACTS AND NUMBERS

Marketing Department	01524 772413
Installations Department	01524 772409
Accounts Department	01524 772418
Accounts Department Fax	01524 772412
General Fax	01524 772411

OFFICE HOURS

Over the years we have tried to align our opening hours with the preferences of our customers. Starting early is intended to enable customers to resolve any issues before starting their day's work.

Monday to Thursday	8.15am to 5.00pm
Friday	8.15am to 3.45pm
Out of hours site technical queries	07779 314226

To help improve our levels of customer service and to assist with training, calls may be recorded.

TERMS OF BUSINESS

Payment Terms

Initially, new customers are required to purchase goods on a pro-forma basis. If you wish to apply for a credit account, please complete a credit account application form (available on request). Your application will be processed by our Accounts Department, however submitting a form does not automatically guarantee an account will be opened.

SWS UK reserves the right to withdraw trade credit accounts where:

- Turnover falls below £1,000 per annum. In this event, goods will continue to be supplied on a pro-forma basis.
- An account payment is received more than 10 working days late.

All orders should be placed using SWS UK's official order form (see pages 51 - 58). This minimises the likelihood of any misunderstandings and accelerates order processing.

Once processed all orders will be faxed back to you for final checking. Enquiries should be made to your Internal Account Manager. If you do not receive an order confirmation within 48 hours or sooner in the case of urgent orders, please contact the Trade Sales Office immediately.

In the event that a trade customer fails to confirm that their order has been interpreted correctly, manufacturing will still go ahead. However, SWS UK accepts no responsibility for manufacturing errors which are apparent from the order confirmation.

DELIVERIES

Claims for damages will only be processed if reported within 2 days of delivery. Please check the contents of your order on the day received. It may therefore be necessary for you to open packages prior to their despatch to site.

Queries relating to invoices must be notified to the Credit Controller within 7 days of receipt of invoice. This will ensure that we have the time to investigate and resolve your enquiry without it delaying any payments due to ourselves.

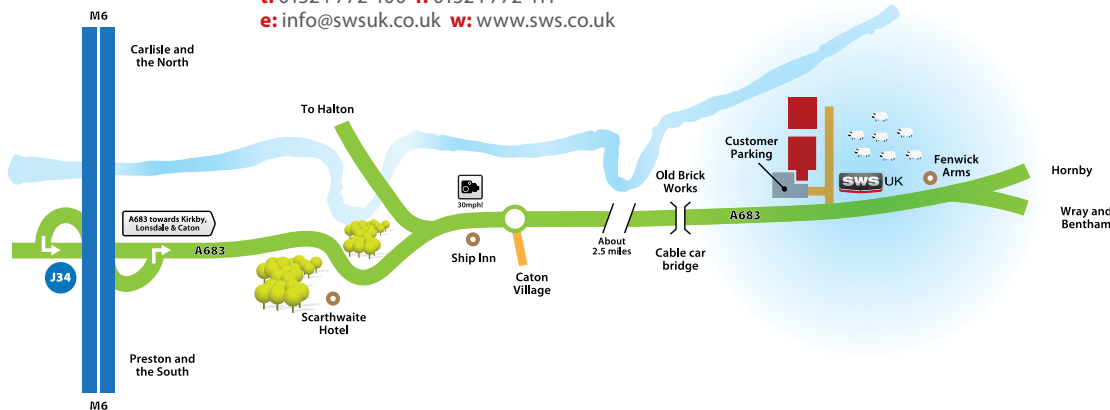


SWS UK

Hornby Road, Cloughton, Lancaster, Lancashire LA2 9LA

t: 01524 772 400 f: 01524 772 411

e: info@swsuk.co.uk w: www.sws.co.uk



SWS UK (London)

1 Lyon Road, London SW19 2RL

t: 020 8540 1717 f: 01524 772 411

e: London.orders@swsuk.co.uk

