



The UK's leading manufacturer
of physical security products

Retail Price List



April 2017, Issue No 03
All prices are in pounds sterling excluding VAT.

CE MARKING

WHAT IS CE MARKING?

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

1. CE Marking on a product is a manufacturers and installers 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 60 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.

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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	248	263	271	284	299	311	327	344	356	375	389	405	420	434	447	470	487	507	518	547	558	621	638	644	654
1100	260	271	284	304	322	338	353	371	389	402	420	439	461	480	499	514	538	553	572	586	605	660	676	686	694
1200	267	284	299	322	338	356	371	384	405	428	451	470	483	504	529	549	569	584	597	614	628	686	702	714	721
1300	277	294	315	335	353	371	389	413	428	451	470	487	518	538	553	576	592	605	623	643	662	722	743	755	760
1400	288	311	330	353	371	393	413	434	456	470	492	518	542	558	576	592	614	636	659	672	691	749	767	784	788
1500	299	322	344	367	391	413	434	456	474	507	524	542	561	584	600	620	664	659	683	705	717	786	806	822	827
1600	335	360	384	405	428	456	483	507	534	553	576	600	623	643	666	688	710	729	749	765	789	813	833	852	933
1700	348	375	398	424	447	474	495	534	553	576	600	623	643	666	691	714	733	753	778	799	842	885	909	932	961
1800	360	389	413	444	470	492	524	549	572	592	614	639	666	691	712	733	758	782	825	851	872	911	936		
1900	375	402	428	456	483	518	545	569	586	609	636	662	683	705	733	762	789	830	854	876	895	948			
2000	384	416	447	474	504	534	558	581	609	629	659	683	710	733	758	804	830	854	878	901					
2100	398	428	461	487	518	549	576	600	626	652	676	710	733	758	804	830	854	922	950						
2200	413	444	474	511	538	561	592	620	649	672	702	729	755	804	827	851	915	945							
2300	424	456	487	524	549	581	609	636	666	691	720	749	801	827	851	876	947								
2400	451	483	518	549	580	609	639	668	695	726	755	811	842	864	887	938									
2500	461	492	534	561	592	623	652	683	712	743	774	825	854	883	937										
2600	504	514	545	576	609	643	672	705	733	762	822	849	873	924											
2700	514	538	561	592	626	659	691	726	758	811	842	867	918												
2800	529	542	580	607	641	672	710	745	784	827	856	904													

◀ 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:

 Window or Door

Type of Operation:

 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	357	372	380	393	409	421	435	453	466	484	500	515	529	544	556	578	597	616	628	657	666	728	745	761	789
1100	368	380	393	413	431	448	461	480	500	511	529	547	571	589	607	625	645	663	682	695	714	782	797	818	836
1200	375	393	409	431	448	466	480	492	515	539	560	578	593	611	638	659	676	694	705	724	735	812	829	848	869
1300	386	402	424	444	461	480	500	521	539	560	578	597	628	651	666	686	701	714	732	753	772	852	872	893	913
1400	399	421	440	461	480	504	521	544	568	578	602	628	651	666	686	701	724	745	766	783	800	881	903	923	945
1500	409	431	453	477	501	521	544	568	582	616	634	651	671	694	711	728	750	766	791	815	824	922	945	968	989
1600	444	470	492	515	539	568	593	616	642	663	686	711	732	753	776	795	819	840	857	877	900	952	974	998	1029
1700	458	484	508	535	556	582	606	642	663	686	711	732	753	776	800	822	844	861	886	909	950	1032	1064	1091	1115
1800	470	500	521	552	578	602	634	659	682	701	724	750	776	800	821	844	869	890	936	960	981	1068	1095	1122	
1900	484	511	539	568	593	628	656	676	695	719	745	772	791	815	844	872	900	939	965	985	1005	1109			
2000	492	525	556	582	611	642	666	692	719	739	766	791	819	844	869	913	939	965	987	1008	1034				
2100	508	539	571	597	628	659	686	711	733	761	786	819	844	869	913	939	965	987	1008						
2200	521	552	582	620	645	671	701	728	757	783	813	840	863	913	938	960	985	1015							
2300	535	568	597	634	659	692	719	745	776	800	829	857	911	938	960	985	1017								
2400	560	593	628	659	690	719	750	779	804	834	863	918	950	974	997	1007									
2500	571	602	642	671	701	732	761	791	821	851	882	936	965	994	1005										
2600	611	625	656	686	719	753	783	815	844	872	932	957	983	1005											
2700	625	645	671	701	733	766	800	834	869	918	950	976	985												
2800	638	651	690	717	752	783	819	853	892	938	967	1035													

Maximum size for rod crank operation

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

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

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
1000	480	494	505	518	536	547	562	582	596	613	630	647	662	677	692	715	734	754	766	796	810	877	890	905	920
1100	491	505	518	539	559	576	591	610	630	643	662	682	705	726	746	762	787	804	823	839	859	912	926	942	957
1200	501	518	536	559	576	596	610	623	647	671	695	715	729	751	779	800	819	838	849	870	882	936	952	969	985
1300	511	528	552	572	591	610	630	654	671	695	715	734	766	787	804	827	846	859	879	900	920	970	987	1004	1023
1400	524	547	568	591	610	634	654	677	701	715	739	766	790	810	827	846	870	890	914	931	950	995	1012	1031	1048
1500	536	559	582	606	633	654	677	701	720	754	774	790	813	838	854	873	895	914	940	965	974	1029	1048	1066	1087
1600	572	600	623	647	671	701	729	754	784	804	827	854	879	900	923	945	969	991	1011	1030	1035	1053	1072	1092	1112
1700	586	613	638	667	692	720	744	784	804	827	854	879	900	923	950	973	996	1015	1040	1064	1076	1122	1141	1165	1188
1800	600	630	654	688	715	739	774	800	823	846	870	895	923	950	971	996	1022	1045	1061	1087	1107	1145	1167	1190	1212
1900	613	643	671	701	729	766	794	819	839	862	890	920	940	965	996	1027	1054	1064	1091	1113	1135	1179	1204	1228	1250
2000	623	659	692	720	751	784	810	834	862	885	914	940	969	996	1022	1036	1064	1091	1114	1138	1165	1204	1229	1254	1278
2100	638	671	705	734	766	800	827	854	880	909	935	969	996	1022	1036	1064	1091	1114	1138	1169	1196	1261	1288	1314	1338
2200	654	688	720	759	787	813	846	873	904	931	964	991	1016	1036	1063	1087	1113	1138	1169	1196	1222	1284	1312	1338	1365
2300	667	701	734	774	800	834	862	890	923	950	981	1011	1035	1063	1087	1113	1145	1169	1196	1226	1255	1320	1348		
2400	695	729	766	800	831	862	895	926	954	987	1016	1043	1076	1102	1125	1156	1187	1216	1243	1273	1301	1345	1373		
2500	705	739	784	813	846	879	909	940	971	1004	1036	1061	1091	1122	1153	1181	1210	1231	1259	1289	1317				
2600	751	762	794	827	862	900	931	965	996	1027	1056	1084	1110	1133	1163	1194	1223	1250	1280	1312	1339				
2700	762	787	813	846	880	914	950	987	1022	1043	1076	1104	1132	1158	1189	1220	1249	1280	1312						
2800	779	790	831	861	896	931	969	1005	1046	1063	1094	1114	1145	1177	1207	1239	1270	1301	1332						
3000	820	839	885	909	931	977	1032	1049	1090	1102	1132	1154	1187	1220	1254	1286	1317								
3200	873	911	947	986	1023	1061	1098	1136	1172	1211	1248	1286	1324	1362	1398										
3400	893	933	972	1011	1052	1091	1129	1169	1207	1247	1288	1326	1365												
3600	905	945	986	1028	1066	1107	1148	1189	1230	1271	1313	1352	1393												
3800	924	968	1010	1053	1095	1137	1179	1223	1265	1306	1349														
4000	946	989	1033	1078	1123	1166	1210	1256	1299	1343	1387														

Height including shutter box (mm)

Maximum shutter height including box for each box size

137 mm

*Up to 800 mm

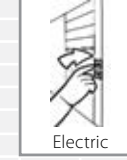
165 mm

180 mm

205 mm

250 mm

Type of Operation:



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

◀ – 60 mm axle, ▶ – 70 mm axle

Alternative Somfy motor available at a surcharge of £30.00 net

KEY:

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

ANTI-DROP BRAKE
When required (as shown above) a surcharge of **£93.45** must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£99.75** must be added to the appropriate shutter price – see page 25.

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

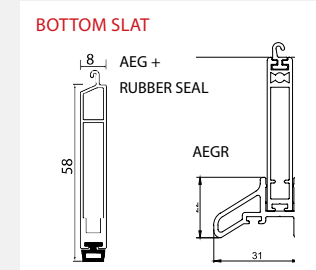
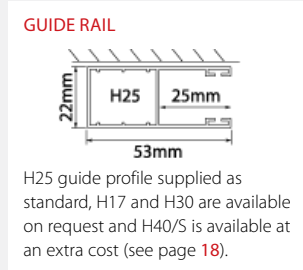
Extruded aluminium with rubber bottom seal. Reinforcing handle option (AEGR) surcharge **£9.71** per linear metre available on request. Spring & lock shutters are supplied with a unique, patented, reversible bottom slat. This bottom slat features a top quirk which can be removed and turned around in the event that the bottom slat lock needs to face the other way.

Shutter Box

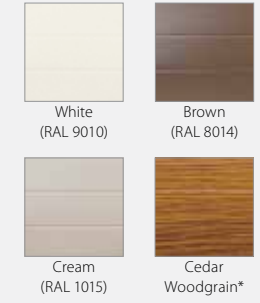
Die cast aluminium end plates with two piece roll formed aluminium box.

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 18).



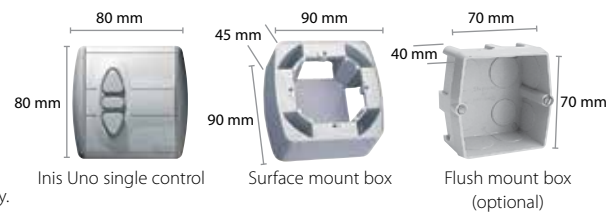
STOCK COLOURS FOR CURTAIN (SLATS), BOTTOM SLAT, BOX & GUIDES



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	334	349	358	378	393	409	424	449	462	486	504	524	541	582	593	603	623	647	661
1100	342	358	375	399	420	443	458	482	504	519	541	565	590	613	636	657	686		
1200	354	375	393	420	443	462	482	495	524	549	578	600	619	642	673	698	721		
1300	367	385	414	436	458	482	504	537	549	578	603	628	661	670	699				
1400	380	409	430	458	482	508	531	560	585	611	628	661	690						
1500	393	432	449	478	506	531	560	585	607	640	658	692							
1600	436	468	495	524	549	585	619	647	670	677									
1700	453	486	512	545	574	607	633	676	711										
1800	468	504	531	570	605	628	668	705											
1900	486	519	549	585	619	659	699												
2000	495	537	574	607	642	691													
2100	512	549	590	623	661	722													
2200	531	570	607	652	686														
2300	552	596	623	672															
2400	578	619	661	693															
2500	603	636	677																
2600	642	657	694																
2700	657	673																	
2800	673	692																	

Height including shutter box (mm)

▲ Swivel Belt ▼ Geared Belt

137 mm

*Up to 800 mm

165 mm

180 mm

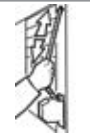

205 mm

Maximum shutter height including box for each box size*

KEY:

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

Type of Operation:

	
Swivel Belt	Geared Belt



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	372	391	413	433	453	475	494	515	537	565	574	582	603	623	642	662	683	701	722	723	723	751	778	795	815	833	853	872	891	911	928	
1100	398	419	443	465	487	510	534	555	586	609	620	630	652	674	696	719	740	761	788	790	792	818	845	864	886	907	928	953	977	999	1020	
1200	418	443	468	491	515	541	573	598	622	645	659	670	693	718	740	763	792	816	840	844	847	873	901	926	953	975	999	1022	1044	1066	1090	
1300	434	459	484	511	537	571	596	621	647	672	686	697	722	748	776	800	825	850	876	879	883	915	946	970	995	1018	1041	1065	1090	1113	1136	
1400	454	482	510	538	573	600	628	656	683	711	723	735	766	793	820	847	873	900	925	939	953	977	1002	1028	1053	1078	1104	1129	1155	1180	1206	
1500	476	506	535	572	600	630	659	689	718	748	761	781	810	836	864	892	921	956	985	996	1006	1032	1059	1085	1112	1139	1166	1198	1229			
1600	491	521	560	590	621	651	682	712	743	779	792	809	836	865	895	924	961	991	1020	1032	1043	1069	1096	1125	1154	1186	1217	1246	1274			
1700	512	544	584	616	649	682	714	746	783	815	830	847	878	908	947	977	1008	1040	1071	1085	1097	1125	1153	1187	1222	1250	1280					
1800	538	579	613	649	682	717	751	789	823	857	876	892	925	966	999	1032	1065	1098	1131	1145	1160	1193	1226	1258	1290	1321	1352					
1900	566	603	638	674	711	746	787	823	859	895	914	932	973	1008	1043	1077	1112	1147	1181	1201	1223	1252	1282	1315	1349							
2000	597	634	672	712	750	787	830	869	907	945	965	992	1029	1065	1102	1138	1176	1212	1249	1271	1292	1324	1354	1390								
2100	611	651	691	729	767	814	853	892	933	971	1000	1019	1058	1095	1133	1170	1208	1256	1293	1316	1337	1366	1394									
2200	632	673	715	756	801	844	884	925	967	1016	1037	1059	1097	1137	1177	1216	1266	1304	1345	1367	1392											
2300	654	696	740	783	830	873	916	960	1010	1054	1075	1097	1138	1179	1222	1271	1313	1353	1396	1420												
2400	668	713	757	806	850	894	939	991	1035	1078	1102	1125	1167	1209	1261	1303	1346	1388	1430													
2500	748	794	845	895	946	995	1042	1099	1147	1197	1222	1244	1292	1348	1394	1441	1487	1535														
2600	762	813	867	916	966	1016	1073	1124	1172	1223	1248	1272	1330	1377	1424	1473	1520															
2700	784	834	891	942	995	1054	1105	1157	1208	1260	1286	1320	1369	1420	1470	1518																
2800	805	862	916	969	1023	1084	1137	1190	1243	1297	1324	1360	1411	1463	1514																	

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:

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

Type of Operation:

	
Rod Crank	Spring Loaded

SECOND SPRING
When required (as shown above) a surcharge of **£38.85** must be added to the appropriate shutter price.

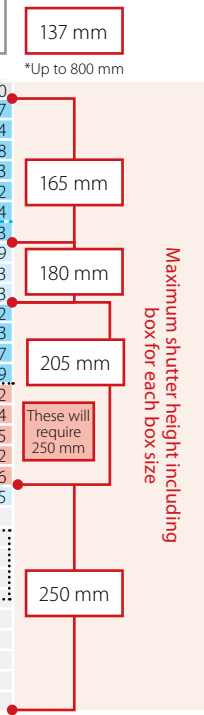
Minimum width for Spring Loaded shutters: Less than or equal to 2400mm in height = **665 mm**. Greater than 2400 in height = **875 mm**.

LARGER WIDTHS AVAILABLE:

SecuroShield 38 can be manufactured to suit wider openings. Contact your Account Manager if you require a price and more details. Please note SecuroShield 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	616	633	642	661	677	692	710	731	748	769	787	809	824	867	877	885	907	931	945	964	983	1001	1020	1038	1059	1073	1087	1107	1127	1147	1167
1100	626	642	659	683	702	725	742	764	787	802	824	848	874	897	918	940	968	987	1011	1027	1041	1058	1072	1094	1114	1139	1165	1187	1209	1231	1254
1200	638	659	677	702	725	748	764	780	809	833	862	883	903	925	956	983	1003	1018	1032	1053	1072	1093	1112	1127	1140	1163	1184	1233	1282	1304	1328
1300	650	668	696	721	742	764	787	820	833	862	885	912	945	968	987	1007	1028	1041	1067	1093	1117	1141	1167	1187	1207	1228	1249	1272	1297	1319	1343
1400	663	692	714	742	764	791	815	844	870	894	912	945	973	983	1007	1028	1087	1099	1112	1133	1153	1172	1193	1206	1218	1261	1302	1328	1352	1377	1402
1500	677	717	731	760	789	815	844	870	890	931	952	975	1005	1041	1063	1087	1112	1138	1190	1199	1209	1218	1228	1267	1305	1332	1359	1384	1411	1438	1464
1600	721	752	778	809	833	870	903	931	961	987	1007	1036	1067	1094	1122	1147	1133	1202	1228	1255	1280	1305	1332	1358	1381	1411	1441	1469	1497	1525	1553
1700	735	769	795	829	856	890	916	961	987	1007	1036	1067	1094	1122	1153	1183	1178	1232	1263	1288	1310	1334	1359	1386	1414	1441	1468	1497	1525	1563	1599
1800	752	787	815	852	887	912	952	983	999	1028	1061	1087	1122	1153	1180	1211	1240	1270	1292	1320	1348	1377	1406	1432	1456	1486	1516	1554	1592	1622	1653
1900	769	802	833	870	903	945	977	995	1020	1049	1080	1117	1143	1174	1207	1244	1280	1320	1334	1365	1396	1426	1456	1484	1512	1553	1594	1626	1658	1691	1723
2000	780	820	856	890	925	961	983	1016	1049	1074	1112	1143	1178	1207	1240	1263	1294	1344	1379	1411	1443	1475	1507	1549	1592	1624	1656	1691	1724	1758	1792
2100	795	833	874	907	945	973	1007	1036	1069	1103	1136	1178	1207	1240	1263	1294	1328	1367	1423	1456	1489	1523	1556	1605	1652	1687	1722	1757	1792	1828	1863
2200	815	852	890	936	968	987	1028	1063	1098	1132	1169	1202	1235	1263	1292	1323	1357	1404	1467	1502	1537	1573	1608	1664	1719	1755	1790	1827	1863	1900	1937
2300	836	879	907	952	973	1016	1049	1080	1122	1153	1190	1228	1261	1297	1323	1353	1383	1439	1510	1546	1583	1618	1655	1717	1780	1816	1850	1889	1927	1979	2029
2400	862	903	945	983	1014	1049	1109	1124	1157	1197	1235	1270	1307	1338	1369	1406	1428	1464	1556	1593	1630	1667	1704	1757	1810	1851	1891	1943	1994	2036	2152
2500	885	918	961	1018	1038	1072	1112	1149	1183	1255	1297	1338	1381	1423	1467	1507	1555	1596	1653	1696	1739	1785	1831	1860	1889	1931	1977	2076	2152	2199	2244
2600	925	940	977	1041	1063	1087	1138	1176	1233	1276	1319	1363	1407	1450	1494	1542	1599	1642	1685	1729	1772	1820	1866	1911	1954	2011	2066	2108	2176	2222	2265
2700	940	966	1011	1067	1090	1101	1165	1202	1263	1309	1353	1398	1443	1487	1539	1583	1642	1687	1731	1776	1821	1869	1920	1977	2032	2078	2222	2268	2319	2383	2432
2800	956	973	1032	1090	1109	1124	1190	1228	1294	1341	1387	1435	1480	1532	1578	1639	1684	1731	1777	1825	1869	1932	1994	2042	2088	2297	2378	2430	2484	2566	2616
3000	987	1005	1087	1136	1157	1197	1242	1280	1296	1396	1444	1525	1579	1610	1659	1709	1825	1877	1921	1971	2023	2074	2083	2274	2328	2518	2705	2761	2814	2870	2925
3200	1052	1086	1119	1195	1207	1243	1294	1332	1398	1450	1537	1588	1624	1676	1794	1846	1900	1951	2003	2053	2068	2290	2323	2505	2566	2621	2809	2870			
3400	1098	1137	1174	1242	1307	1357	1413	1456	1530	1602	1658	1715	1774	1831	1875	1960	2019	2039	2095	2263	2299	2505	2561	2621	2682	2743					
3600	1104	1167	1230	1346	1409	1471	1534	1596	1664	1743	1806	1868	1931	1993	2058	2153	2217	2279	2295	2472	2533	2594	2659	2720							
3800	1152	1217	1335	1402	1469	1534	1601	1671	1754	1819	1886	1952	2017	2083	2182	2248	2314	2385	2495	2519	2626	2687									
4000	1196	1265	1429	1454	1524	1593	1663	1742	1834	1891	1959	2028	2099	2167	2305	2338	2406	2493	2579	2644	2715										
4200	1252	1321	1441	1490	1574	1649	1723	1798	1912	1976	2046	2118	2192	2259	2400	2454	2528	2640	2710												
4400	1307	1380	1451	1530	1622	1706	1784	1855	1987	2059	2131	2207	2285	2351	2495	2572	2649	2720													
4600	1341	1419	1489	1568	1678	1756	1832	1959	2042	2120	2197	2274	2345	2495	2572	2649	2725														
4800	1375	1451	1535	1628	1723	1805	1931	2015	2098	2174	2258	2329	2484	2561	2644	2720															
5000	1413	1496	1578	1689	1777	1860	1992	2075	2164	2246	2329	2478	2561	2644	2725																



KEY:

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

ANTI-DROP BRAKE
When required a surcharge of **£93.45** must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£99.75** must be added to the appropriate shutter price – see page 25.

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



Type of Operation: Electric

Alternative Somfy motor available at a surcharge of **£30.00** 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 SecuroShield 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
SecuroShield 38 uses a double skin extruded aluminium slat.

Bottom Slat

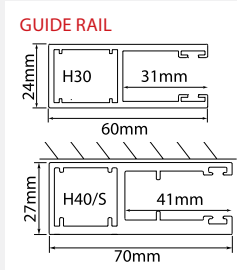
Extruded aluminium with reinforcing angle. Available with rubber in place of reinforcing angle as a no cost option. Spring & lock shutters are supplied with a unique, patented, reversible bottom slat. This bottom slat features a top quirk which can be removed and turned around in the event that the bottom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

Shutter Box

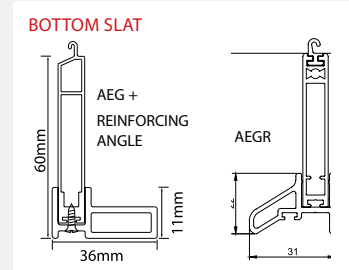
Die cast aluminium end plates with two piece roll formed aluminium box. Larger sizes will be supplied with zinc plated steel end plates.

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 18) Please note H17 guide rail is suitable for internal use only.

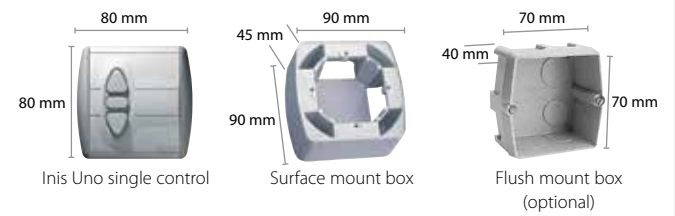


H30 guide profile supplied as standard, H17 and H25 on request
H40/S guide rail is available (see page 18)



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.



Accessories - For applicable accessories and components see pages 18-26 & 42-50

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 66

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	38	41	48	53	56	59	63	66	69	75	80	83	87	91	94	97	102	107	111	114	118
1100	42	48	54	57	62	65	68	72	78	83	87	92	95	99	103	109	113	118	122	125	130
1200	52	56	60	64	68	72	80	84	90	94	98	103	109	114	119	124	128	133	139	145	149
1300	55	59	64	69	75	81	87	92	96	102	108	113	118	124	128	133	140	146	150	154	161
1400	60	66	70	78	84	91	96	100	108	114	121	125	131	138	145	150	154	173	167	175	180
1500	64	69	77	83	91	96	102	109	115	122	127	133	141	148	155	160	166	173	179	185	191
1600	69	78	84	92	98	104	113	119	126	133	140	148	153	161	169	176	182	188	195	204	210
1700	72	82	90	96	103	111	119	126	133	141	149	157	163	172	179	186	192	201	208	215	221
1800	81	90	96	104	113	122	128	136	146	152	161	169	178	185	192	202	209	217	225	234	242
1900	85	93	100	111	119	126	134	145	152	161	169	178	186	194	203	212	219	230	236	245	253
2000	90	97	107	115	124	132	143	151	160	169	178	186	194	204	213	220	231	241	248	258	267
2100	93	102	112	122	130	139	149	158	167	177	186	194	204	214	221	233	242	249	261	270	279
2200	98	109	119	128	139	149	159	169	179	187	199	208	217	228	238	247	258	269	277	287	298
2300	103	114	124	133	146	154	164	176	186	195	207	216	228	238	247	258	270	279	288	299	310
2400	109	121	131	143	152	163	176	186	195	208	218	231	241	250	263	274	283	296	307	317	328
2500	114	125	136	148	159	171	181	192	204	215	228	240	249	262	273	283	296	307	317	329	340
2600	121	131	145	154	167	180	191	204	215	228	240	250	264	275	287	299	311	323	336	348	358
2700	124	136	149	161	175	186	199	210	221	235	247	261	273	284	298	310	322	335	345	358	371
2800	130	143	157	169	182	194	208	220	234	247	261	273	286	299	311	325	338	352	365	377	390
3000	139	152	166	180	193	208	220	235	248	263	276	290	304	317	332	344	358	372	388	402	416
3200	149	163	179	192	208	221	238	252	269	282	298	311	327	341	356	371	386	402	417	432	446
3400	159	176	190	207	221	240	253	271	286	302	317	335	351	366	382	398	413	430	446	460	477
3600	169	186	203	219	236	253	271	287	305	322	339	355	372	389	406	422	440	456	475	490	508
3800	180	199	215	234	250	270	287	305	323	341	358	377	396	413	432	449	466	485	504	519	540
4000	190	209	228	246	267	284	304	323	341	359	380	399	418	436	454	476	493	513	531	549	570
4200	201	219	241	261	280	301	321	340	359	380	400	420	440	460	480	501	519	541	561		
4400	210	232	252	274	296	314	337	357	379	400	421	441	462	484	506	526	547	569			
4600	220	243	266	287	309	332	353	375	398	419	441	464	485	508	530	552	574				
4800	232	253	277	301	324	345	370	392	417	439	462	485	509	531	555	578					
5000	242	266	290	313	338	364	386	410	434	459	483	507	531	555	579						

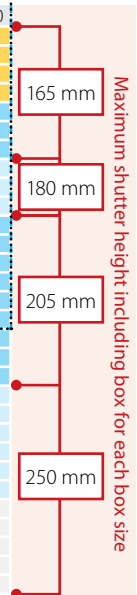
▶ Shutter curtains over 50 kg will be supplied in multiple sections for assembly on site, ensuring that each section can be handled safely.

KEY:

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

ANTI-DROP BRAKE
When required (as shown above) a surcharge of **£93.45** must be added to the appropriate shutter price.

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



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 SecuroVision 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 **£1.95** per linear metre
Punched and glazed vision surcharge = (number of slats x total width of shutter) x **£4.10** per linear metre

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

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

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.

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)

THIS PRODUCT CAN BE POWDER COATED
See page 66

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

Stainless Steel shutter available. Please contact your Account Manager for a quotation.

Punched or Perforated (With Glazing)

Width including guide rails (mm)

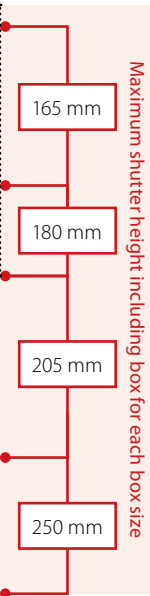
← 60 mm axle, → 70 mm axle

	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1000	80	87	94	102	111	118	125	133	141	149	157	164	173	180	187	195	204	212	2199	228	235
1100	87	95	103	113	122	130	139	148	157	164	175	182	190	200	208	216	225	234	243	250	261
1200	98	109	119	128	139	149	159	169	179	187	199	208	217	228	238	247	258	269	277	287	298
1300	108	118	128	140	150	161	172	182	192	204	215	225	236	246	258	270	279	290	301	311	322
1400	121	131	145	154	167	180	191	204	215	228	240	250	264	275	287	299	311	323	336	348	358
1500	127	141	153	166	179	191	206	217	231	243	256	270	281	295	308	321	333	344	357	371	384
1600	140	153	169	182	195	210	225	240	252	267	280	296	309	323	337	352	366	379	392	406	421
1700	149	163	179	192	208	221	238	252	269	282	298	311	327	341	356	371	386	402	417	432	446
1800	161	178	192	209	225	242	258	274	290	307	322	338	354	370	386	403	419	434	450	466	483
1900	169	186	203	219	236	253	271	287	305	322	339	355	372	389	406	422	440	456	475	490	508
2000	178	194	213	231	248	267	283	302	318	338	355	372	390	408	426	445	461	479	496	515	534
2100	186	204	221	242	261	279	298	314	335	353	371	390	409	427	446	464	483	502	519	540	558
2200	199	217	238	258	277	298	315	337	356	377	397	417	435	454	474	494	515	536	555	574	595
2300	207	228	247	270	288	310	330	352	371	392	413	434	453	476	494	516	537	558	578	599	620
2400	218	241	263	283	307	328	351	371	393	416	438	459	481	504	525	546	570	590	612	634	657
2500	228	249	273	296	317	340	364	386	409	432	453	477	500	521	545	569	590	612	636	658	682
2600	240	264	287	311	336	358	383	406	432	454	479	504	526	549	574	599	623	647	670	694	719
2700	247	273	298	322	345	371	397	421	446	471	494	519	545	570	595	620	643	668	693	719	744
2800	261	286	311	338	365	390	417	441	468	493	519	546	572	598	625	651	676	701	728	754	781
3000	276	304	332	358	388	416	444	471	499	525	553	580	608	637	664	692	720	748	775	801	829
3200	298	327	356	386	417	446	476	506	536	564	595	625	654	683	713	744	774	802	831	861	892
3400	317	351	382	413	446	477	509	541	572	604	636	667	698	730	762	793	826	857	888	922	953
3600	339	372	406	440	475	508	542	575	609	642	676	711	745	779	813	847	881	914	948	982	1016
3800	358	396	432	466	504	540	574	610	647	682	719	754	790	825	861	897	934	969	1005	1042	1076
4000	380	418	454	493	531	570	608	644	683	722	759	797	834	873	912	950	987	1026	1063	1101	1139
4200	400	440	480	519	560	600	640	681	721	760	800	842	881	921	961	1001	1041	1079			
4400	421																				

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	966	966	966	966	966	966	966	966	966	966	966	966	966	966	977	1002	1018	1040	1059	1079	1098
1100	966	966	966	966	966	966	966	966	966	966	966	968	989	1007	1030	1053	1075	1093	1126	1149	1166
1200	966	966	966	966	966	966	966	966	966	966	984	1012	1035	1059	1079	1104	1137	1160	1183	1206	1228
1300	966	966	966	966	966	966	966	966	968	996	1018	1040	1064	1093	1126	1149	1171	1195	1223	1246	1268
1400	966	966	966	966	966	966	966	984	1007	1035	1059	1086	1121	1149	1171	1200	1223	1252	1273	1302	1332
1500	966	966	966	966	966	966	989	1018	1046	1075	1098	1144	1166	1195	1223	1252	1279	1302	1332	1360	1399
1600	966	966	966	966	966	989	1018	1046	1075	1115	1144	1171	1200	1228	1258	1286	1314	1343	1382	1415	1444
1700	966	966	966	977	1007	1040	1069	1104	1144	1177	1206	1240	1268	1302	1332	1365	1410	1440	1474	1502	1536
1800	966	966	968	1002	1030	1064	1098	1144	1171	1206	1235	1273	1302	1336	1365	1415	1444	1480	1507	1542	1576
1900	966	966	996	1030	1064	1098	1144	1177	1211	1246	1279	1314	1348	1382	1428	1468	1496	1531	1564	1598	1638
2000	966	996	1035	1069	1109	1144	1190	1228	1262	1302	1336	1377	1421	1455	1496	1536	1571	1604	1638	1678	1717
2100	977	1018	1053	1093	1089	1177	1217	1258	1292	1332	1365	1415	1455	1489	1531	1564	1604	1644	1678	1735	1804
2200	1007	1040	1079	1126	1171	1211	1252	1292	1332	1369	1421	1461	1502	1542	1576	1616	1662	1695	1752	1815	1860
2300	1030	1069	1109	1155	1206	1246	1286	1332	1369	1410	1461	1507	1547	1587	1627	1667	1712	1770	1831	1878	1918
2400	1046	1093	1132	1190	1228	1268	1314	1353	1399	1450	1489	1536	1581	1621	1662	1700	1764	1831	1870	1918	1961
2500	1075	1115	1160	1217	1258	1302	1348	1394	1450	1489	1536	1576	1627	1667	1712	1774	1841	1882	1927	1918	2019
2600	1093	1137	1190	1240	1286	1326	1369	1435	1480	1519	1564	1609	1655	1700	1764	1831	1878	1922	1967	1973	2115
2700	1115	1160	1217	1268	1314	1360	1406	1468	1513	1557	1609	1655	1700	1770	1831	1882	1927	1980	2024	2014	2171
2800	1144	1200	1246	1298	1348	1394	1455	1507	1551	1598	1649	1695	1764	1836	1882	1932	1985	2029	2132	2176	2230
3000	1319	1382	1440	1489	1547	1609	1662	1717	1770	1826	1878	1967	2024	2075	2127	2184	2292	2343	2400	2450	2507
3200	1377	1428	1484	1542	1609	1667	1724	1779	1836	1912	1985	2042	2100	2156	2263	2320	2383	2439	2492	2548	2612
3400	1421	1484	1542	1616	1678	1735	1791	1855	1932	2008	2070	2127	2190	2303	2365	2424	2485	2548	2605	2660	2731
3600	1468	1531	1592	1667	1729	1791	1855	1932	2019	2081	2143	2206	2320	2383	2445	2507	2576	2640	2688	2827	2895
3800	1513	1576	1655	1717	1786	1848	1932	2014	2081	2150	2211	2332	2400	2468	2531	2593	2669	2792	2861	2923	2991
4000	1551	1633	1700	1770	1841	1906	2008	2075	2150	2218	2338	2405	2479	2548	2616	2683	2821	2889	2957	3024	3094

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.

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 **£26.25**

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

Secured by Design
Police Preferred Specification

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 **£93.45** must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£99.75** must be added to the appropriate shutter price – see page 25.

Overview of SeceuroShield 3801

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

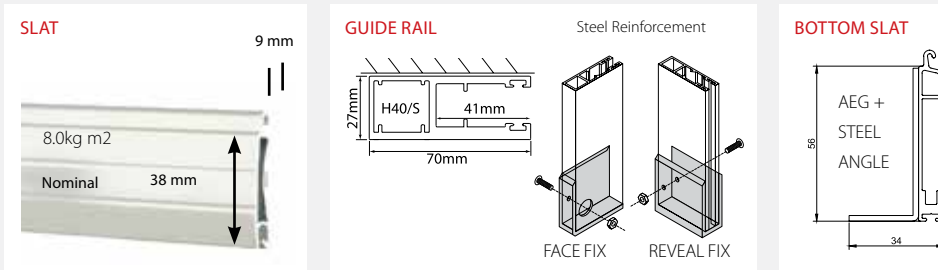
Extruded aluminium with steel reinforcing angle. Supplied with a lock in the bottom slat unless bullet locks are requested (£26.25 surcharge applies) see page 18 for details. The locks must be disengaged before operating the shutter or the motor will be damaged.

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.

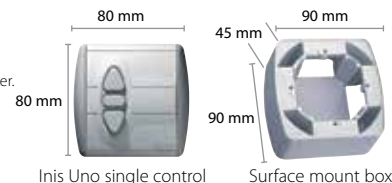


SWITCHES

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.

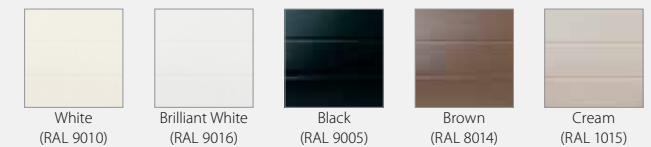
The optional SeceuroSmart professional remote control includes built in lock detection technology to prevent motors from burning out if the door is operated before releasing the locks. See pages 23 for further details.

Switches are supplied "hold to run" for safety.



Accessories - For applicable accessories and components see pages 18-26 & 42-50

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

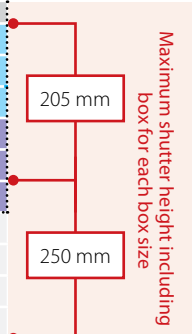


THIS PRODUCT CAN BE POWDER COATED
See page 66

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
1000	389	413	454	495	546	589	630	672	714	761	802	870	912	1036	1080	1128
1200	433	461	517	568	616	664	714	766	817	864	931	994	1044	1168	1220	1271
1400	449	509	564	617	672	729	785	839	907	963	1017	1086	1140	1278	1335	1393
1600	491	560	620	681	748	809	869	945	1005	1067	1128	1211	1273	1410	1474	1539
1800	535	599	664	734	801	883	948	1015	1080	1156	1222	1303	1369	1511	1580	1649
2000	657	732	815	891	984	1060	1137	1214	1299	1381	1457	1542	1619	1772	1852	1931
2200	696	781	869	952	1052	1135	1218	1309	1398	1484	1568	1657	1742	1899		
2400	728	822	909	1015	1103	1193	1290	1384	1473	1563	1651	1746	1835			
2600	767	869	978	1075	1170	1274	1376	1473	1568	1663	1765	1861				
2800	814	916	1034	1136	1246	1353	1457	1559	1663	1771						



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

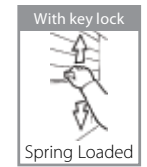
Minimum width for Spring Loaded shutters:
Less than or equal to 2100 mm in height = **665 mm**.
Greater than 2100 in height = **875 mm**.

SECOND SPRING
When required a surcharge of **£38.85** 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:



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

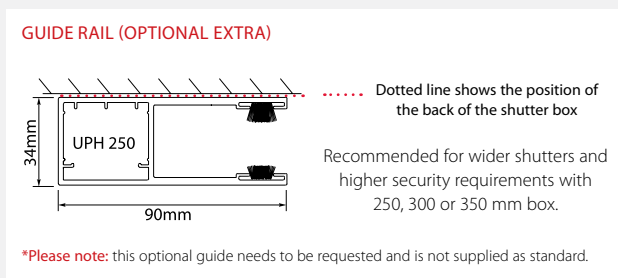
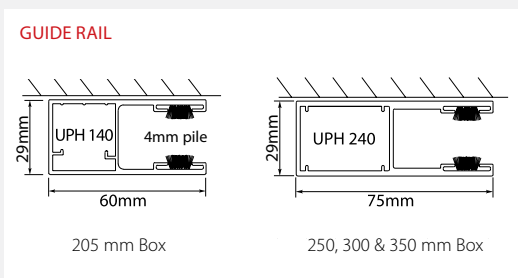
Curtain Slat
SeceuroShield 60 uses a double walled aluminium slat.

Bottom Slat
Extruded aluminium with reinforcing angle.

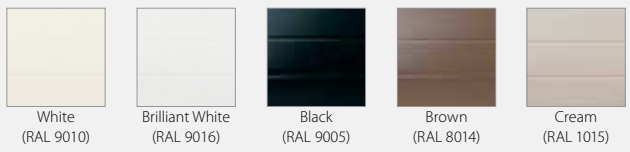
Shutter Box
Die cast aluminium end plates with two piece roll formed aluminium box. Larger sizes (shutters with a curtain weight of 75 kg upwards) will be supplied with zinc plated steel end plates.

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 18-26 & 42-50



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



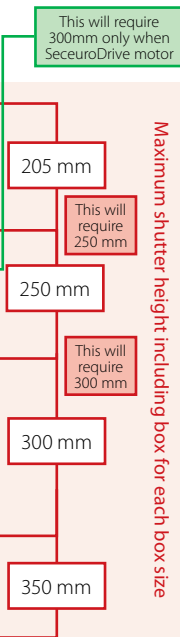
Please note: Colour references on standard product are a guide only and will not match powder coated finish.



Width including guide rails (mm)

	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	586	611	656	698	743	786	830	874	917	961	1004	1048	1092	1135	1178	1224	1265	1311	1355	1402	1446	1492	1537	1582	1627	1672
1200	630	661	713	762	814	863	914	965	1015	1065	1115	1166	1265	1315	1366	1417	1573	1625	1677	1728	1780	1832	1886	1936	1988	2041
1400	645	700	757	814	869	924	978	1035	1092	1146	1250	1305	1362	1417	1473	1527	1689	1746	1804	1861	1919	1977	2032	2090	2147	2203
1600	689	752	814	877	939	1001	1064	1126	1237	1299	1362	1423	1486	1549	1626	1688	1987	2055	2123	2192	2260	2327	2395	2464	2786	2702
1800	724	791	859	926	995	1062	1129	1244	1313	1380	1448	1515	1598	1666	1732	1800	2102	2174	2248	2322	2394	2467	2642	2714	2991	2861
2000	844	921	999	1077	1156	1235	1361	1440	1517	1596	1675	1767	1847	1924	2091	2171	2252	2332	2410	2591	2673	2751	2832	2913	2991	3071
2200	883	968	1053	1138	1224	1358	1442	1527	1613	1712	1798	1883	1967	2076	2228	2314	2401	2588	2676	2763	2850	2934	3022	3110	3316	3402
2400	915	1004	1095	1186	1324	1414	1505	1595	1701	1791	1881	1971	2085	2175	2332	2525	2616	2709	2801	2892	2984	3077	3287	3378	3470	3563
2600	954	1052	1148	1294	1392	1488	1586	1698	1795	1892	1989	2109	2206	2311	2568	2669	2767	2864	2962	3063	3281	3378	3476	3576	3676	3774
2800	996	1099	1202	1354	1458	1564	1682	1786	1890	1993	2121	2232	2337	2439	2705	2810	2917	3021	3247	3351	3459	3563	3668	3774	4375	4490
3000	1042	1153	1310	1420	1531	1646	1770	1880	1996	2131	2247	2357	2467	2738	2849	2960	3072	3303	3414	3528	3638	3750	4344	4466	5075	5208
3200	1084	1200	1365	1482	1604	1736	1852	1968	2115	2239	2356	2472	2590	2866	2986	3223	3342	3462	3580	3698	4035	4415	5019	5157	5299	5575
3400	1124	1296	1419	1543	1687	1809	1932	2086	2210	2341	2465	2589	2713	2995	3241	3368	3493	3618	3744	4067	4431	5081	5228	5509	5658	
3600	1157	1334	1463	1596	1740	1868	2025	2156	2291	2419	2550	2679	2910	3216	3345	3476	3607	3739	4044	4436	4584	5370	5524	5774		
3800	1198	1381	1517	1674	1808	1944	2108	2251	2387	2524	2657	2896	3032	3345	3482	3620	3919	4039	4345	4625	4779	5575				
4000	1231	1420	1566	1722	1862	2030	2172	2320	2462	2602	2843	2986	3302	3444	3587	3930	4231	4339	4639	5120	5279					
4200	1319	1468	1620	1783	1929	2106	2260	2408	2556	2705	2954	3276	3426	3574	3838	4243	4364	4512	5019							
4400	1361	1515	1689	1844	2025	2181	2342	2497	2651	2907	3063	3392	3549	3704	4089	4472	4605	5116								
4600	1546	1711	1913	2076	2265	2433	2624	2793	2975	3192	3358	3658	3889	4058	4431	4600	5081									
4800	1732	1906	2136	2310	2504	2683	2907	3086	3296	3474	3654	3924	4231	4410	4584	5106										
5000	1784	1967	2202	2387	2590	2775	3006	3220	3408	3593	3781	4058	4375	4553	4738	5269										

Height including shutter box (mm)



Type of Operation:



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

Alternative Somfy motor available at a surcharge of **£30.00 net**

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
- Window and Door anti-drop surcharge

ANTI-DROP BRAKE
When required a surcharge of **£110.25** must be added to the appropriate shutter price.

Window and Door anti-drop surcharge **£176.40**

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£99.75** must be added to the appropriate shutter price – see page 25.

Overview of SeceuroShield 60

Accessories - For applicable accessories and components see pages 18-26 & 42-50

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.

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.

BOX EXTENSION

A box extension is required on built-on SeceuroShield 60 shutters when; **SeceuroDrive**: curtain weight exceeds 149 kg on a 4" axle and when a 5" axle is needed, **Somfy**: 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.

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	364	402	443	482	522	560	587	627	665	703	705	757	794	831	870	906
1200	408	455	504	559	607	642	675	722	774	819	825	879	931	973	1018	1063
1400	444	496	558	611	665	705	749	799	851	903	931	976	1028	1076	1126	1176
1600	479	546	606	664	724	774	816	873	938	996	1018	1069	1125	1188	1242	1298
1800	523	598	665	731	804	854	903	974	1038	1103	1132	1196	1258	1319	1381	1444
2000	581	657	730	811	884	941	1003	1075	1146	1218	1261	1321	1392	1460	1531	1599
2200	617	697	783	862	942	1012	1071	1147	1233	1312	1358	1414	1488	1564	1638	1712
2400	653	739	829	915	1010	1075	1138	1230	1313	1396	1445	1506	1586	1667	1745	1750
2600	744	846	942	1046	1144	1217	1297	1390	1483	1577	1634	1700	1790	1881	1894	1990
2800	785	893	998	1108	1212	1292	1377	1476	1576	1677	1738	1809	1830	1931	2028	

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.**

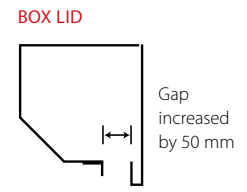
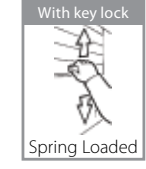
◀ - all axles 70 mm

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 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.

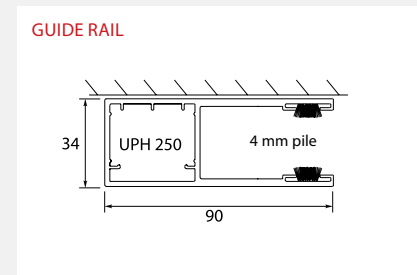
CONSTRUCTION

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.



BOTTOM SLAT, BOX & GUIDES

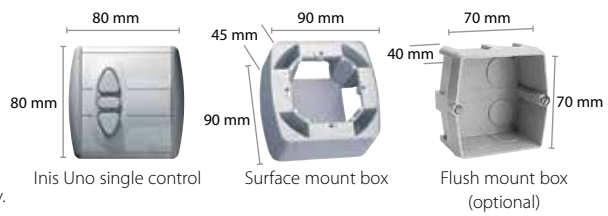


Please note:
Colour references on standard product are a guide only and will not match powder coated finish. Darker coloured double doors that are exposed to significant direct sunlight may be susceptible to expansion which may interfere with the operation of the door.

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

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.



Accessories - For applicable accessories and components see pages 18-26 & 42-50

Width including guide rails (mm)

Maximum recommended size for windy areas (see page 60 for further details on wind loading)

Box lids over this width may suffer some deflection

	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400
1000	602	627	661	691	728	766	804	854	884	921	958	996	1032	1061	1099	1138	1177	1216	1306	1346	1384	1424	1464
1200	622	661	706	748	788	842	880	934	978	1006	1045	1085	1112	1156	1249	1294	1338	1383	1428	1473	1517	1563	1607
1400	647	695	748	794	848	888	950	984	1060	1085	1124	1164	1189	1270	1319	1367	1415	1465	1513	1561	1625	1674	1722
1600	701	758	814	880	938	984	1041	1094	1149	1198	1248	1299	1348	1406	1460	1515	1571	1640	1696	1752	1806	1861	1917
1800	732	794	865	927	974	1034	1094	1153	1209	1260	1315	1370	1421	1479	1553	1613	1672	1731	1791	1852	1933	1993	2053
2000	760	836	903	958	1023	1085	1149	1209	1262	1345	1408	1470	1551	1616	1681	1747	1815	1881	1968	2036	2102	2173	2240
2200	794	869	945	1002	1071	1140	1205	1260	1321	1430	1500	1570	1677	1745	1818	1891	1987	2059	2138	2210	2282	2356	2429
2400	842	921	988	1060	1128	1205	1275	1335	1394	1517	1589	1661	1766	1844	1947	2023	2107	2186	2263	2341	2418	2497	2573
2600	903	954	1036	1109	1202	1288	1373	1456	1559	1645	1728	1821	1906	2014	2100	2190	2274	2359	2445	2530	2615	2799	2884
2800	934	1006	1083	1162	1262	1352	1443	1540	1644	1735	1825	1947	2037	2134	2226	2315	2406	2498	2588	2778	2869	2960	3051
3000	964	1060	1128	1211	1314	1409	1510	1618	1714	1809	1935	2031	2134	2230	2326	2420	2518	2614	2808	2904	3001		
3200	1026	1092	1177	1262	1364	1470	1584	1684	1786	1917	2017	2123	2225	2326	2428	2528	2725	2829	2929	3031	3131		
3400	1071	1145	1275	1378	1490	1617	1729	1828	1968	2006	2118	2226	2332	2439	2546	2751	2859	2965	3072				
3600	1077	1199	1374	1496	1624	1761	1885	2007	2162	2291	2414	2536	2658	2782	3015	3137	3260	3383					
3800	1123	1303	1432	1561	1710	1838	1967	2129	2258	2393	2522	2651	2780	3019	3148	3278	3406						
4000	1166	1395	1486	1620	1789	1912	2047	2250	2347	2476	2612	2746	2989	3125	3258	3394							

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

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

Alternative Somfy motor available at a surcharge of £30.00 net

← All fluted axes 100 mm

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

Type of Operation:



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

KEY:

- Window or Door
- Window or Door with motor and spring
- 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 **£99.75** must be added to the appropriate shutter price – see page 25.

Overview of SeceuroShield 77

STOCK COLOURS



Standard box and guide colours are White, Brilliant White, Cream, Brown & Black. Alternative matching colours are available for a surcharge, see page 66.

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 18-26 & 42-50

VISION SLATS – SECEUROVISION 800

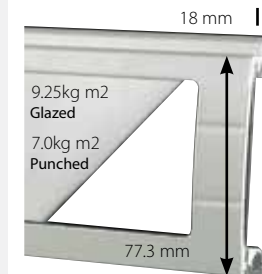
Vision can be added by including SeceuroVision 800 slats in the shutter curtain. SeceuroVision 800 uses a single skin extruded and punched aluminium slat which is also available with polycarbonate glazing strips (pictured right). Polycarbonate strips can be clear or frosted.

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

Price per linear metre punched **£9.61**
Price per linear metre punched & glazed **£12.08**

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

OPTIONAL SECEUROVISION 800 SLAT



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

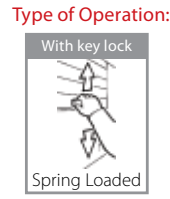
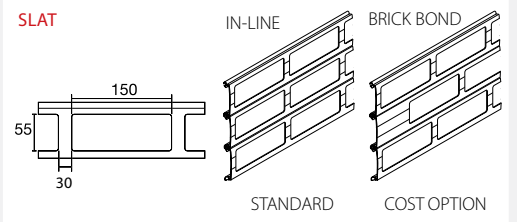
KEY:

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

Width including guide rails (mm)

Height including shutter box (mm)	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
1000	405	432	478	522	576	622	666	712	757	809	853	922	968	1096	1144	1194
1200	455	489	549	604	657	739	763	822	876	928	999	1066	1122	1249	1306	1363
1400	476	542	602	660	721	784	845	903	976	1037	1097	1171	1365	1375	1438	1501
1600	524	599	666	733	806	874	941	1024	1092	1160	1227	1317	1482	1530	1601	1671
1800	571	643	718	794	870	957	1031	1104	1178	1260	1333	1422	1645	1723	1745	2081
2000	697	783	873	957	1059	1143	1229	1314	1407	1497	1581	1675	1883	1922	2010	
2200	745	838	935	1028	1137	1230	1323	1423	1522	1617	1710	1809	1997	2072		
2400	781	884	983	1098	1197	1297	1404	1509	1607	1707	1806	1912				
2600	826	938	1061	1168	1274	1390	1503	1611	1717	1825	1938	2047				
2800	876	991	1122	1236	1358	1479	1594	1709	1825	1946						

SECOND SPRING
When required a surcharge of **£38.85** must be added to the appropriate shutter price.



Shutters are supplied with in-line pattern as standard. Brick bond is available at a surcharge of **£1.20** 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**.

all axles 70 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)

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	39	46	55	62	68	78	85	93	99	108	115	124	131	139	147	153	161	171	178	185	192	201	208	215	222	232
1200	50	58	67	78	87	96	107	115	125	134	146	153	163	175	182	192	203	212	220	232	242	249	261	271	279	288
1400	63	75	88	99	113	125	138	150	162	176	187	201	213	225	238	249	263	275	287	301	312	325	338	351	364	375
1600	71	87	100	115	130	146	159	175	187	203	216	232	245	261	274	288	304	317	333	345	362	375	390	404	419	434
1800	87	103	122	139	157	175	190	208	225	243	261	277	296	311	329	345	365	382	399	417	434	450	468	485	504	519
2000	96	115	134	153	175	192	212	232	249	271	288	308	328	345	367	385	404	423	444	462	481	501	519	540	559	578
2200	107	127	149	171	190	212	233	253	275	297	317	339	359	382	403	423	446	466	487	509	530	549	572	593	613	636
2400	121	146	169	192	216	242	266	288	312	338	362	385	409	434	458	481	506	530	554	578	602	627	651	674	697	723
2600	134	161	188	215	243	271	297	324	351	378	404	432	459	485	513	540	568	593	621	647	674	701	728	756	783	811
2800	146	175	203	232	261	288	317	345	375	404	434	462	491	519	548	578	607	636	664	693	723	752	781	811	839	867
3000	159	190	221	253	286	317	351	382	413	446	477	509	541	572	604	636	667	698	730	762	793	826	857	888	922	953
3200	169	203	236	271	304	338	370	404	438	473	506	540	573	607	640	674	707	743	776	811	844	877	911	943	977	1011
3400	178	214	248	284	321	356	391	427	462	500	535	571	606	641	676	713	749	785	819	855	891	926	963	998	1077	
3600	192	232	271	308	345	385	423	462	501	540	578	616	656	693	731	770	811	848	885	924	964	1002	1041			
3800	203	243	272	324	365	404	446	485	525	568	607	647	689	728	766	811	846	888	931	970	1011	1052				
4000	216	261	304	345	390	434	477	519	562	607	651	693	735	781	823	867	911	953	997	1041	1084					
4200	227	272	315	364	408	452	499	543	587	634	680	724	769	815	860	906	951	996	1041							
4400	242	288	338	385	434	481	530	578	627	674	723	770	819	867	915	964	1011	1060								
4600	249	301	351	400	450	501	549	600	652	701	752	801	852	902	952	1002	1052									
4800	266	317	370	423	477	530	582	636	690	743	793	848	901	953	1006	1060										
5000	274	329	384	439	493	548	604	659	715	766	823	879	934	988	1043	1098										

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

SecuroDrive: 30 mm Box Extension

Somfy: 30 mm Box Extension. For further details see page 62.

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 60 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	604	631	677	726	772	819	865	914	960	1006	1055	1102	1147	1195	1242	1290	1489	1539	1587	1636	1683	1732	1780	1829	1878	1926
1200	653	690	641	799	854	909	965	1019	1074	1129	1184	1239	1343	1397	1452	1449	1669	1725	1783	1838	1894	1952	2008	2063	2121	2176
1400	673	794	794	856	916	977	1038	1099	1162	1223	1331	1393	1452	1514	1575	1637	1802	1865	1927	1990	2052	2115	2178	2240	2303	2367
1600	723	860	860	931	999	1067	1137	1206	1323	1392	1460	1531	1599	1668	1753	1821	2126	2200	2277	2351	2426	2499	2573	2648	2721	2899
1800	761	836	912	985	1061	1136	1210	1334	1409	1484	1559	1635	1725	1799	1875	1951	2259	2339	2419	2500	2581	2659	2842	2924	3003	3084
2000	883	971	1058	1143	1231	1317	1452	1539	1626	1712	1798	1899	1986	2074	2248	2338	2425	2514	2600	2792	2880	2967	3055	3143	3232	3320
2200	931	1026	1119	1214	1309	1452	1547	1641	1737	1847	1942	2036	2131	2248	2408	2504	2600	2799	2895	2991	3087	3185	3280	3375	3592	3687
2400	966	1067	1168	1268	1417	1518	1619	1719	1834	1935	2038	2137	2261	2363	2529	2733	2834	2934	3038	3142	3242	3345	3565	3668	3772	3874
2600	1012	1122	1230	1388	1496	1606	1713	1835	1947	2054	2164	2295	2405	2519	2789	2899	3009	3120	3229	3341	3569	3680	3790	3901	4012	4122
2800	1058	1172	1290	1454	1572	1687	1818	1935	2052	2168	2308	2432	2548	2663	2942	3058	3177	3293	3532	3649	3767	3886	4004	4122	4522	4648
3000	1110	1235	1407	1531	1652	1783	1920	2045	2173	2322	2451	2572	2701	2983	3110	3233	3360	3604	3729	3855	3981	4106	4488	4622	5034	5177
3200	1156	1286	1467	1596	1735	1880	2012	2141	2304	2440	2573	2706	2836	3128	3260	3512	3647	3779	3912	4046	4220	4539	4973	5120	5414	5560
3400	1201	1388	1526	1666	1825	1962	2103	2270	2409	2556	2697	2835	2975	3272	3532	3674	3814	3954	4095	4277	4456	4973	5264	5418	5575	
3600	1239	1433	1578	1728	1890	2034	2207	2355	2507	2651	2799	2945	3190	3513	3660	3808	3955	4102	4317	4508	4666	5326	5489			
3800	1285	1485	1639	1811	1963	2118	2299	2461	2613	2767	2920	3173	3328	3658	3813	3969	4142	4301	4539	4707	5218	5546				
4000	1326	1532	1696	1869	2029	2219	2376	2544	2703	2862	3124	3284	3619	3780	3942	4149	4329	4502	4671	5187	5515					
4200	1419	1587	1760	1942	2108	2305	2478	2647	2814	2983	3252	3594	3763	3933	4102	4329	4508	4686	5208							
4400	1465	1640	1834	2011	2212	2389	2570	2746	2921	3198	3373	3722	3901	4077	4262	4447	4625	5157								
4600	1516	1695	1889	2068	2280	2475	2655	2836	3014	3272	3449	3729	3957	4134	4316	4669	4951									
4800	1568	1750	1943	2124	2347	2560	2742	2924	3108	3345	3528	3735	4014	4192	4368	4892										
5000	1619	1807	2011	2237	2431	2653	2840	3027	3282	3469	3655	3971	4159	4346	4876	5062										

Maximum shutter height including box for each box size

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 **£99.75** must be added to the appropriate shutter price – see page 25.

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.

Type of Operation:

Electric

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
SeceuroDrive: 30 mm Box Extension

Somfy: 30 mm Box Extension – Please refer to the table to see when a box extension is required and see page 62 for more details.

Alternative Somfy motor available at a surcharge of **£30.00 net**

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 18-26 & 42-50

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.

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.

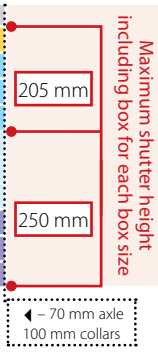
Please note:
SeceuroVision 800 shutters with polycarbonate over 3600 mm in width are fitted with two vertical strips of spacers. These run the full length of the curtain to cushion the slats as they coil up and are visible from the concave side of the shutter.



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	372	413	453	494	537	574	612	656	698	742	784	888	906	922	966	1014
1200	418	468	515	573	622	659	693	740	792	840	847	901	953	999	1044	1113
1400	454	510	573	628	683	723	766	820	873	925	953	1002	1053	1104	1155	1206
1600	491	560	621	682	743	792	836	895	961	1020	1043	1096	1154	1217	1274	1331
1800	538	613	682	751	823	876	925	999	1065	1131	1160	1226	1290	1352	1417	1481
2000	597	672	750	830	907	965	1029	1102	1176	1249	1292	1354	1437	1497	1568	1639
2200	632	715	801	884	967	1037	1097	1177	1266	1345	1392	1450	1526	1603	1679	1756
2400	668	757	850	939	1035	1102	1167	1261	1346	1430	1482	1544	1626	1708	1790	1795
2600	762	867	966	1073	1172	1248	1330	1424	1520	1616	1675	1783	1835	1927	1943	2041
2800	805	916	1023	1137	1243	1324	1411	1514	1616	1719	1780	1856	1877	1982	2080	2179



SECOND SPRING
When required a surcharge of **£38.85** must be added to the appropriate shutter price.

Type of Operation:

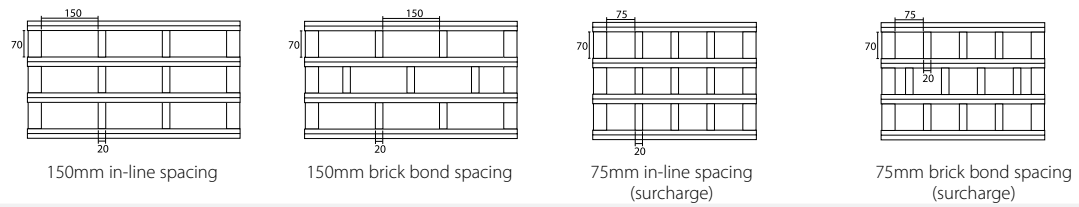


KEY:

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

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**.

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	34	40	49	56	62	68	75	83	90	96	102	111	117	124	130	138	146	152	159	166	173
1200	40	50	59	66	73	83	92	99	108	116	124	132	141	149	157	166	175	182	190	199	208
1400	49	59	67	77	88	96	107	116	126	134	146	154	163	175	183	193	203	213	221	232	242
1600	56	66	77	89	99	111	122	132	144	154	166	177	187	199	210	220	232	243	253	265	276
1800	62	73	88	99	113	124	136	149	161	175	186	199	211	222	236	248	262	274	284	298	310
2000	68	83	96	111	124	138	152	166	180	193	208	220	235	248	263	276	290	304	317	332	344
2200	75	92	107	122	136	152	167	182	197	213	228	243	258	274	288	304	318	335	349	365	379
2400	83	99	116	132	149	166	182	199	215	232	248	265	281	298	314	332	348	365	382	398	414
2600	90	108	126	144	161	180	197	215	234	250	270	287	305	323	341	358	377	396	413	431	449
2800	96	116	134	154	175	193	213	232	250	271	290	309	329	348	367	386	405	424	445		
3000	102	124	146	166	186	208	228	248	270	290	310	332	352	372	392	414	435				
3200	111	132	154	177	199	220	243	265	287	309	332	353	375	398	419	443					
3400	117	141	163	187	211	235	258	281	305	329	352	375	399	422	446						
3600	124	149	175	199	222	248	274	298	323	348	372	398	422	447							
3800	130	157	183	210	236	263	288	314	341	367	392	419	446								
4000	138	166	193	203	248	276	304	332	358	386	414	443									



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	616	642	677	710	748	787	824	877	907	945	983	1020	1059	1087	1127	1167	1207	1247	1398	1451	1500
1200	638	677	725	764	809	862	903	956	1003	1032	1072	1112	1140	1184	1282	1328	1374	1419	1504	1554	1607
1400	663	714	764	815	870	912	973	1007	1087	1112	1153	1193	1218	1302	1352	1402	1452	1502	1647	1704	1765
1600	721	778	833	903	961	1007	1067	1122	1178	1228	1280	1332	1381	1441	1497	1553	1626	1682	1739	1795	1852
1800	752	815	887	952	999	1061	1122	1180	1240	1292	1348	1406	1456	1516	1592	1653	1830	1901	1969	2054	2121
2000	780	856	925	983	1049	1112	1178	1240	1294	1379	1443	1507	1592	1656	1724	1792	1935	2008	2088	2161	2232
2200	815	890	968	1028	1098	1169	1235	1292	1357	1467	1537	1608	1719	1790	1863	1937	2037	2110	2193	2266	2383
2400	862	945	1014	1087	1157	1235	1307	1369	1428	1556	1630	1704	1810	1891	1994	2074	2161	2240	2321	2400	2605
2600	925	977	1063	1138	1233	1319	1407	1494	1599	1685	1772	1866	1954	2066	2152	2244	2332	2418	2532	2735	2827
2800	956	1032	1109	1190	1294	1387	1480	1578	1684	1777	1869	1994	2088	2188	2281	2374	2468	2652	2744		
3000	987	1087	1157	1242	1347	1444	1547	1659	1758	1856	1985	2083	2188	2287	2384	2483	2683				
3200	1052	1119	1207	1294	1398	1506	1624	1727	1830	1963	2068	2176	2280	2384	2516	2669					
3400	1098	1174	1307	1413	1530	1658	1774	1875	2019	2055	2171	2281	2392	2612	2851						
3600	1104	1230	1409	1534	1664	1806	1931	2058	2217	2349	2475	2600	2612	2621							
3800	1152	1335	1469	1601	1754	1886	2017	2182	2314	2453	2586	2718	2851								
4000	1195	1429	1524	1662	1834	1959	2099	2307	2407	2539	2678	2791									

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 **£110.25** must be added to the appropriate shutter price.

MANUAL OVERRIDE
To add the option of manual override a surcharge of **£99.75** must be added to the appropriate shutter price – see page 25.

Alternative Somfy motor available at a surcharge of **£30.00** 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.

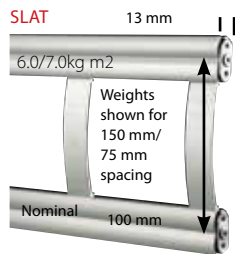
CONSTRUCTION

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.

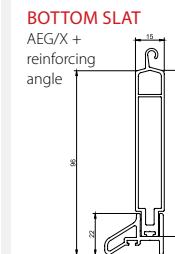
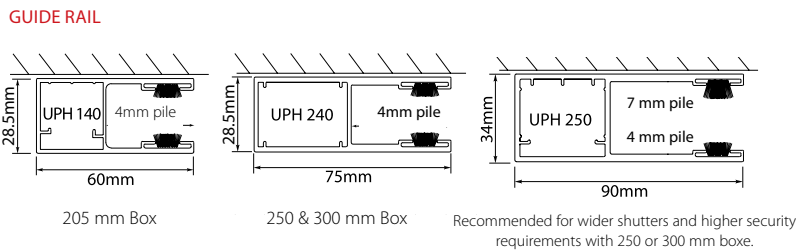
Bottom Slat
Extruded aluminium with reinforcing angle and no seal.

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.



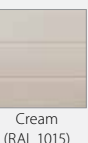
Accessories - For applicable accessories and components see pages 18-26 & 42-50



STOCK COLOURS FOR CURTAINS AND BOTTOM SLATS

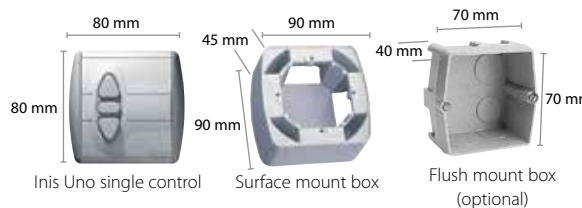
BOX & GUIDES

- White (RAL 9010)
- Brilliant White (RAL 9016)
- Brown (RAL 8014)
- Black (RAL 9005)



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.



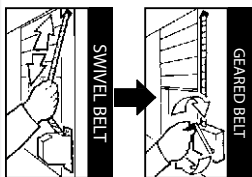
To comply with current health and safety legislation, electrically operated shutter(s) must be monitored throughout operation. If this is not possible a safety device must be fitted. Due to the risk of entrapment in an open shutter or grille, control should only be by a momentary key switch. Remote or 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.

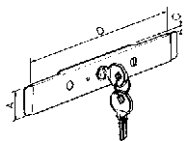
Surcharge
Surcharge per solid slat **£9.03** per linear metre.

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

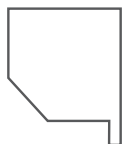
Code: YACCS G.BELT
Each **£33.20**



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 44 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.

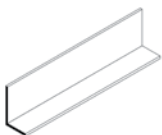
Code: YACCS KEYLOCK
Each **£52.26**

Lock Cover
Code: YBS021L0
Each **£9.35**



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

Code: YACCS BOX
Each **£19.91**

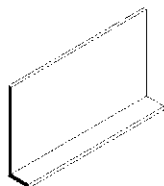


30 mm x 20 mm x 3 mm Aluminium Angle
Utilised as either cill angle or a closure angle. Stock colours: white, brown and mill finish. Stocked in 6 m lengths.

Mill finish YBS700E0
Per metre **£8.49**

White YBS300E1
Per metre **£8.49**

Mid Brown YBS300E2
Per metre **£8.49**

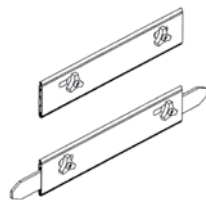


75 mm x 25 mm x 3 mm Aluminium Angle
Utilised as a larger alternative to 30 mm x 20 mm. Stock colours: white, brown and mill finish. Stocked in 6 m lengths.

Mill finish YBS700E0
Per metre **£13.67**

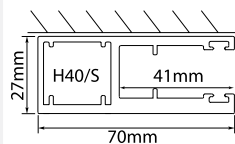
White YBS700E1
Per metre **£13.67**

Mid Brown YBS700E2
Per metre **£13.67**



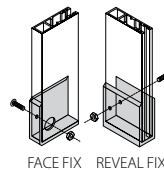
Shoot Bolts In Bottom Slat
Also available in place of a bottom slat key lock for bars and serveries, etc.

Code: YACCS S.BOLT
Each **£52.26**



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 47 for specifications.

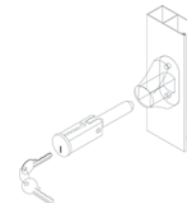
Code: YACCS H40/S
Each Pair **£59.73**



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 **£42.38**

Code Face fit: YGU00102
Each Pair **£42.38**



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 **£84.61**

Upgrade from bottom slat lock to a pair of bullet locks
Code: YACCS BULLET U/G
Each Pair **£26.25**

Packing End Caps
50 x 20 mm End Caps (Black)
YBS519E0 **£0.96** each
50 x 50 mm End Caps (Black)
YBS519E5 **£0.96** each

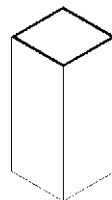


50 mm x 20 mm x 3 mm Aluminium Packing Box Section
Used to pack shutters off the wall by 20 mm. Stock colours: white, brown and mill finish. Stocked in 6.5 m lengths.

Mill finish YBS520E0
Per metre **£15.78**

White YBS520E1
Per metre **£15.78**

Mid Brown YBS520E2
Per metre **£15.78**



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.

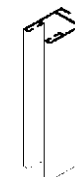
Mill finish YBS550E0
Per metre **£19.77**

White YBS550E1
Per metre **£19.77**

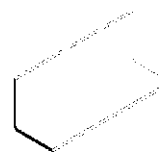
Mid Brown YBS550E2
Per metre **£19.77**

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 **£13.75**

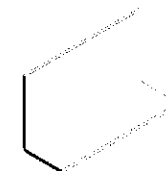


Surcharge for powder coating angles and packing box section applies see page 66.



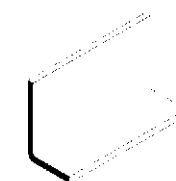
50 mm x 50 mm x 3 mm Electroplate Galvanised Steel Angle.
Available in white, brown or galvanised.

Code: YCS403S0
Per metre **£17.55**



75 mm x 50 mm x 3 mm Electroplate Galvanised Steel Angle.
Available in white, brown or galvanised.

Code: YCS402S0
Per metre **£20.19**



76 mm x 50 mm x 5 mm Electroplate Galvanised Steel Angle.
Available in white, brown or galvanised.

Code: YCS410S0
Per metre **£30.15**

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	£27.17	£35.53
BX150M3	150	37.5 x 37.5 or similar	£35.81	£48.52
BX200M3	200	50 x 50 or similar	£45.54	£61.51
BX250M3	250	67.5 x 67.5 or similar	£48.14	£66.56
BX300M3	300	75 x 75 or similar	£50.75	£69.93
BX400M3	400	100 x 100 or similar	£56.08	£79.66
BX500M3	500	125 x 125 or similar	£70.10	N/A
BX600M3	600	150 x 150 or similar	£84.11	N/A

3 mm Thick Manufactured Box Sections

Stock Code	Standard Sizes Box Sections	Galvanised	Aluminium
BX025S3	25 x 25	£13.59	£25.43
BX030S3	30 x 30	£16.41	£31.13
BX040S3	40 x 40	£19.24	£37.06
BX075S3	75 x 75	£33.42	£74.39
BX100S3	100 x 100	£39.88	£95.96
BX525S3	50 x 25	£18.04	£39.99
BX575S3	50 x 75	£28.20	£61.51
BX150S3	50 x 100	£46.40	£66.30

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	£19.07	£24.01
BX100A3	100	50 x 50 or similar	£28.09	£34.13
BX150A3	150	75 x 75 or similar	£34.13	£41.84
BX200A3	200	100 x 100 or similar	£40.70	£47.60
BX250A3	250	125 x 125 or similar	£48.14	£56.41
BX300A3	300	150 x 150 or similar	£55.69	£63.58

3 mm Strips/Plates per mtr

Stock Code	Developed Sizes i.e Flat	Galvanised	Aluminium
BX050P3	upto 50 mm wide	£10.49	£17.56
BX100P3	upto 100 mm wide	£20.98	£28.04
BX150P3	upto 150 mm wide	£25.86	£32.93
BX200P3	upto 200 mm wide	£30.70	£37.77
BX300P3	upto 300 mm wide	£34.78	£41.90

5 mm Manufactured Angles

Stock Code	Developed Sizes i.e Flat	Galvanised	Aluminium
BX100A5	100mmx 100mm	£98.90	N/A
BX165A5	165mm x 100mm	£117.37	N/A
BX075A5	100mm x 75mm	£98.90	N/A

Removable Guide Rails and Sloping Bottom Slats

Removable Guide Rails

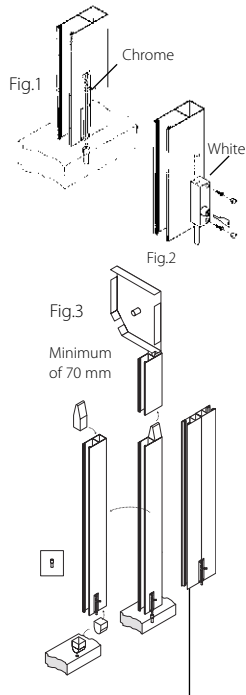
Removable Centre Rails

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 **£77.77**

Removable guide rails complete with lockable shoot bolt (keyed alike) available in white or brown

Code: YACCS REMLOCK
Each Pair **£129.96**



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.

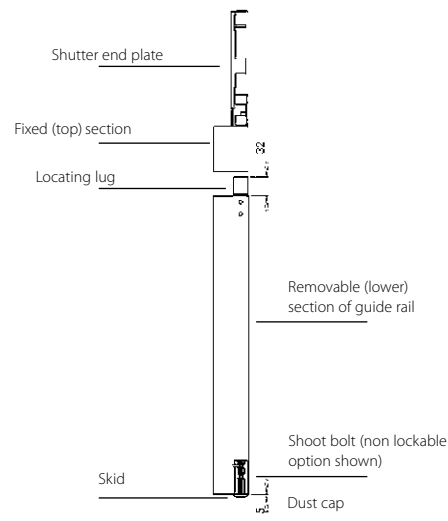
No orders will be accepted for removable guide rails unless they are ordered using the SWS UK removable guide rail order form. This will ensure you receive the products as required.

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: **£24.51**

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

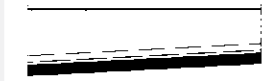
The maximum width for a sloping bottom slat is 5000 mm. This is the overall door width including guide rails.

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).

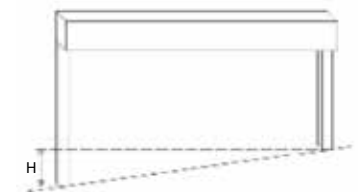
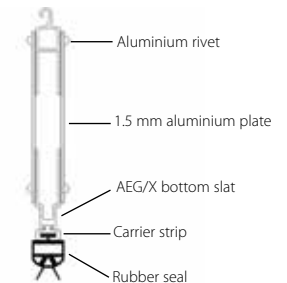
You must also ensure your customer is aware that when the door is fully open the sloping bottom slat will remain in the guide rails reducing the clear height available.



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	£255.37
2501 to 5000 mm	£420.42



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).

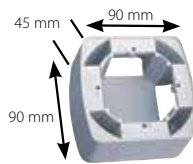
Code: EC37200
Each: **£13.31**



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.

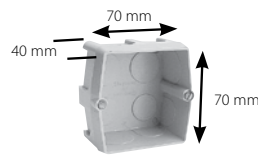
Code: EC37301
Each: **£36.77**



Surface Mount Box

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

Code: EC37400
Each: **£4.44**



Flush Mount Box

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

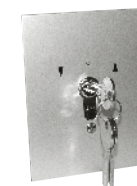
Code: EC37500
Each: **£6.30**



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: **£67.81**



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: **£5.95**



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: **£31.50**

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: **£208.43**



KS02 Anti-Tamper Controller For Key Switches

Code: EC355T3
Each: **£210.39**



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: **£117.67**



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: **£48.71**



Motor Test Lead

Code: EC40900
Each: **£81.90**

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 **£22.45**



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 **£208.43**

SeceuroSmart Remote Receiver (with bulk head light)
Fitted internally it enables shutters to be operated remotely. No transmitters included.



Code: EC39202
Each **£260.99**



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 **£64.46**



Bottom Slat Transmitter
Code: BS660B0
Each **£103.98**



Transmitter Battery 2 batteries per transmitter.
Battery type CR 2016
Code: EC36100
Each **£4.74**



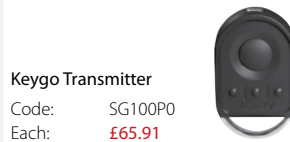
Safety Photo Cell
Fitted internally, if the beam is broken on the closing cycle the shutter will reverse slightly. Required if a door opens into a public area. (Covers not included).

Code: EC15100
Each **£104.96**

Photo Cell Cover
Code: EC359T0
Each **£16.50**



Rollixo Magnet (EACH)
Code: EC39302
Each **£22.32**



Keygo Transmitter
Code: SG100P0
Each **£65.91**



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 **£152.25**

Power Manager 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



■ 3 models in the range from 750 watts to 1,875 watts, this will cover any single phase tubular motor on the market.

800 VA unit EC25100 **£482.72**

1100VA unit EC25200 **£568.13**

1500VA unit EC25300 **£699.20**

*Can only be used in conjunction with the ProMate.

Rollixo Alarm Kit

Code: EC41001
Each: **£19.07**

Rollixo Remote Control Upgrade Kit

Contains: Remote Receiver, 2 x Transmitters, 1 x Bottom

Code: EC49900
Each: **£312.53**

Bottom Slat Rubber (per Metre)

Code: BS670B0
Each: **£15.05**



Wireless radio keypad

















Code: SG101P0
Each: **£196.56**

SeceuroSmart Bottom Slat Safety Edge Transmitter

Code: EC39307
Each: **£103.74**

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

SecuroSense Shutter accessories

<p>Smooth White 2 Channel Transmitter Code: EC71102 Each: £64.46</p> <p>Smooth White 4 Channel Transmitter Code: EC71104 Each: £64.46</p> <p>Smooth White 4 Channel Bi-Directional Remote Code: EC75004 Each: £77.99</p> 	<p>Smooth Black 2 Channel Transmitter Code: EC71202 Each: £64.46</p> <p>Smooth Black 4 Channel Transmitter Code: EC71204 Each: £64.46</p> <p>Smooth Black 4 Channel Bi-Directional Remote Code: EC75104 Each: £77.99</p> 	<p>Chrome Elipse 4 Channel Transmitter Code: EC71004 Each: £64.46</p> 	<p>Chrome 4 Channel Transmitter Code: EC71404 Each: £64.46</p> 	<p>Replacement Light Bulb for Courtesy Light Code: EC72500 Each: £4.20</p> 	<p>4 Channel White Wall Transmitter Code: EC73004 Each: £82.51</p> <p>4 Channel Black Wall Transmitter Code: EC73104 Each: £82.51</p> <p>4 Channel Bi Directional Wall Switch White Code: EC74004 Each: £118.92</p> <p>4 Channel Bi Directional Wall Switch Black Code: EC74104 Each: £118.92</p> <p>4 Channel Stainless Steel Cover Code: EC73000 Each: £34.55</p> 
<p>Plus 3 Channel Transmitter Code: EC71303 Each: £64.46</p> 	<p>Batteries for Transmitters Above Code: EC36101 Each: £4.74</p> 	<p>Bottom Slat Transmitter Code: EC75100 Each: £103.48</p> <p>Batteries for BST (2 Pack) Code: EC71101 Each: £24.86</p> 	<p>Lighting Strip Internal / External – 1 x1000mm Code: EC76000 Each: £213.61</p> <p>Lighting Strip Internal / External – 2 x1000mm Code: EC77000 Each: £280.30</p> <p>Lighting Bar Cover Extrusion 2 m Code: EC78000 Each: £79.18</p> 	<p>Alarm Kit for SecuroSense Code: EC72000 Each: £74.09</p> 	
<p>SecuroSense Wireless Keypad Code: EC70300 Each: £197.80</p> 	<p>SecuroSense hard wired magnets Code: EC72600 Each: £44.99</p> 	<p>SecuroGlide Connect Code: EC90000 Each: £337.94</p> <p>SecuroGlide Connect+ Code: EC95000 Each: £299.10</p> <p>(SecuroGlide Connect+ price includes SIM card.) Please specify required Network for SIM card.</p> 	<p>Photocell and Reflector Code: EC70500 Each: £81.68</p> 	<p>SecuroSense Remote Control Upgrade Kit Contains, Remote Receiver, 2 x Transmitters, 1 x Bottom, Slat Transmitter, 1 x Pair Optical Eyes Code: YEC69900 Each: £312.53</p> <p>Bottom Slat (Per Metre) colour or woodgrain Code: AEGDW Per Metre: £14.79</p> <p>Bottom Slat Rubber (Per metre) Per Metre: £9.52</p> <p>To upgrade to the SecuroSense 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

SeceuroDrive 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 adaptors 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.

SECEURODRIVE 45S-50



SECEURODRIVE 45M-50



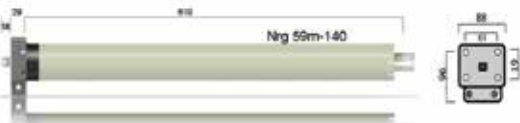
SECEURODRIVE 59S-100



SECEURODRIVE 59M-100



SECEURODRIVE 59M-140



SECEURODRIVE 92M-23/30



BATTERY BACK-UP SELECTION

Key	Unit Power	Stock Code	Price
	800VA	EC25100	£482.72
	1100VA	EC25200	£568.13
	1500VA	EC25300	£699.20

*Can only be used in conjunction with the ProMate.

NON OVERRIDE MOTOR

	Code	Price
50Nm	MT950M2	£87.50
100Nm	MT900M1	£126.00

OVERRIDE MOTOR

	Code	Price
50Nm	MT950M1	£105.00
100Nm	MT900M2	£139.13
140Nm	MT914M1	£153.83
230Nm	MT923M1	£307.91

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: £99.75

Motor Test Lead
Code: EC40900
Each: £81.90

7 mm - 7 mm Hexagonal Adaptor
MT410M1 £5.38
(Used to extend 7 mm hexagonal override bar)
MT411M1 £4.06 / 330 mm

Concealed override exit (white)
Code: MT020M1 Price: £21.02

Concealed override exit (brown)
Code: MT020M2 Price: £21.02

***Concealed override handle**
Code: YGD02006 Price: £64.22

* 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.

Type	Rated Torque	Rated Voltage	Rated Frequency	Rated Power Input	Tube Diameter	Rated Current	Running Time	Rate Speed	Protection Index	Insulation Class
	(Nm)	(v)	(Hz)	(w)	(mm)	(A)	(min)	(rpm)	(IP)	
EM20M	20Nm	230v	50HZ	145w	45mm	0.64A	4 min	15 rpm	IP44	Class H
EM30M	30Nm	230v	50HZ	191w	45mm	0.83A	4 min	15rpm	IP44	Class H
EM40M	40Nm	230v	50HZ	198w	45mm	0.86A	4 min	15 rpm	IP44	Class H
EM50M	50Nm	230v	50HZ	205w	45mm	0.89A	4 min	12 rpm	IP44	Class H
EM100M	100Nm	230v	50HZ	350w	59mm	1.55A	4 min	12 rpm	IP44	Class H
EM140M	140Nm	230v	50HZ	380w	59mm	1.74A	4 min	9 rpm	IP44	Class H
EM523M	230Nm	230v	50HZ	830w	92mm	3.80A	4 min	12 rpm	IP44	Class H
EM530M	300Nm	230v	50HZ	920w	92mm	4.20A	4 min	9 rpm	IP44	Class H

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:

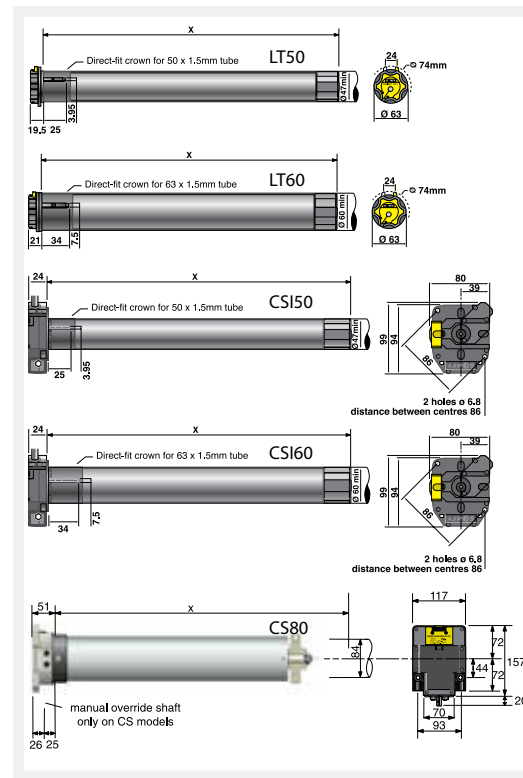
- Rapid set push button limit switches
- Clip-on drive adaptors and brackets
- Multiple mounting positions of motor head
- Standard Index of Protection rating: IP44
- Supply cable via removable connector
- Integral thermal protection
- Integral electromagnetic brake
- Continuous running time: 4 mins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

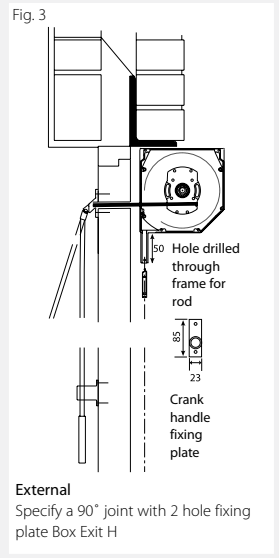
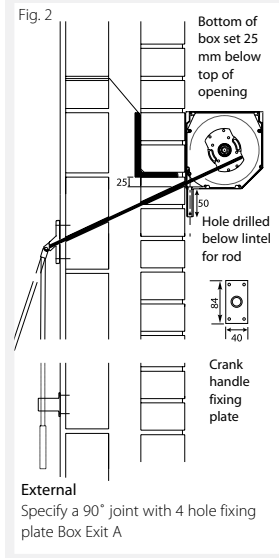
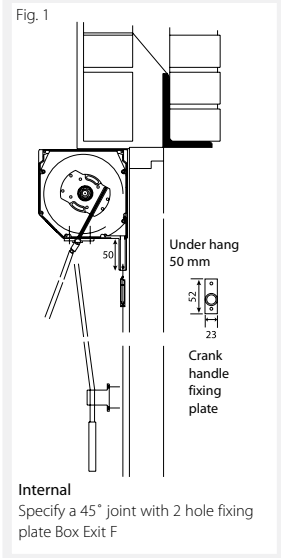
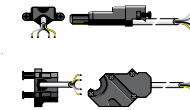
Versions for override and non-override motors

Non-Override Motors

Code: MT050M2	5m	£16.25
Code: MT100M2	10m	£24.80

Override Motors

Code: MT051M2 (CSI)	5m	£16.25
Code: MT101M2 (CSI)	10m	£24.80



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 **£174.30**. For controls or further information, please contact your Account Manager who will quote you the most suitable option for your enquiry.

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

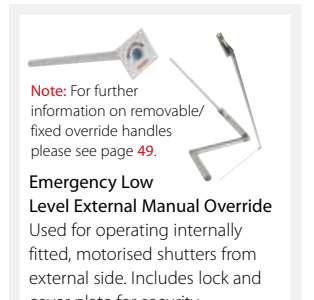
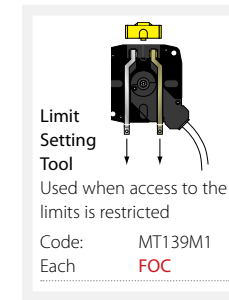
Description	code	price	dim x
LT50 Jet 10/12	YMT510M1	£216.80	505
LT50 Atlas 15/12	YMT515M1	£235.42	525
LT50 Meteor 20/12	YMT520M1	£247.63	525
LT50 Helios 30/12	YMT530M1	£266.12	555
LT50 Mariner 40/12	YMT540M1	£318.77	605
LT50 Vectran 50/12	YMT550M1	£331.02	605
LT60 Vega 60/12	YMT560M1	£380.07	614
LT60 Sirius 80/12	YMT580M1	£416.84	614
LT60 Titan 100/12	YMT600M1	£483.04	659

OVERRIDE MOTOR

CSI50 Meteor 20/17	YMT521M1	£343.29	594
CSI50 Gemini 25/17	YMT525M1	£359.26	594
CSI50 Helios 30/17	YMT531M1	£376.12	594
CSI50 Mariner 40/17	YMT541M1	£388.78	594
CSI60 Orion 55/17	YMT555M1	£426.64	640
CSI60 Vega 60/12	YMT561M1	£430.34	640
CSI60 Sirius 80/12	YMT581M1	£459.00	640
CSI60 Titan 100/12	YMT601M1	£521.12	675
CSI60 Taurus 120/12	YMT621M1	£628.98	675
LT80S CSI 150	YMT650M1	£1015.07	652
LT80S CSI 200	YMT700M1	£1182.79	652

OVERRIDE ACCESSORIES

1100 mm manual override crook	YMT110M1	£7.86
1500 mm manual override crook	YMT125M1	£8.78
2000 mm manual override crook	YMT200M1	£10.78
45° drop eye joint 4 hole plate	YGD02005	£25.20
175 mm rigid metal override eye	YMT130M1	£5.73



Low level override kit
Code: MT120M1 **£171.41**
Articulated small winding crank
Code: MT121M2 **£38.59**
1330 mm articulated crank
Code: MT121M3 **£65.88**
PVC duct & lockable aluminium cover
Code: MT121M4 **£59.37**
Spare blank keys
Code: MT120M5 **£7.58**

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
	800VA	EC25100	£482.72
	1100VA	EC25200	£568.13
	1500VA	EC25300	£699.20
	Please contact technical		
	Bracket	EC40700	£89.00

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

*SecuroVision 3800 tables are for fully punched shutters with no glazing. If the shutter has glazing fitted use the SecuroShield 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 38).

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

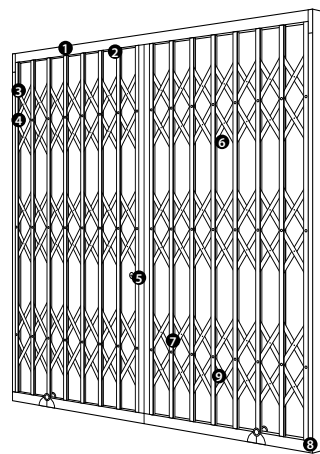
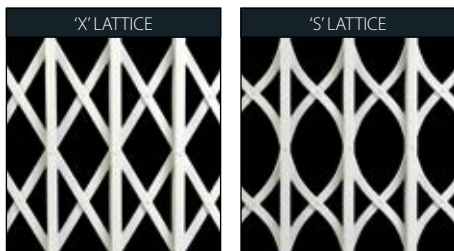
Height (mm)	Width (mm)																		Single sash hinge aside max												All single sash gates 2 m wide and above will be supplied with split sashes												Bi-parting hinge aside max											
	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700																								
800	274	279	297	311	326	345	363	382	401	418	430	449	469	488	506	522	539	558	576	595	614	630	644	664	681	701	718	735	749	769																								
900	275	288	312	328	345	368	386	406	425	442	458	477	496	516	534	550	568	587	607	624	644	664	681	702	718	738	757	775	790	810																								
1000	288	308	326	345	363	386	408	427	446	465	485	503	522	541	560	580	597	616	635	654	674	697	718	738	757	776	796	813	833	850																								
1100	307	341	346	368	391	412	435	456	478	501	520	541	565	584	605	626	650	669	689	713	734	757	779	801	824	843	865	889	907	942																								
1200	312	349	351	375	399	421	440	464	489	506	529	552	578	600	620	644	667	687	710	735	757	773	800	824	843	880	895	918	944	1021																								
1300	328	353	375	399	425	445	465	492	517	539	564	587	612	635	659	685	709	733	756	779	804	828	849	922	945	970	992	1017	1044	1055																								
1400	363	391	417	444	469	492	516	541	568	595	620	647	674	701	728	752	779	805	833	860	884	927	954	982	1007	1032	1059	1087	1113	1139																								
1500	375	403	430	458	485	511	539	564	590	618	647	674	701	728	752	780	808	836	863	906	936	962	989	1017	1046	1069	1096	1126	1154	1180																								
1600	386	417	446	474	501	529	560	587	614	644	674	701	728	752	779	808	841	866	894	954	969	994	1022	1052	1084	1108	1135	1163	1197	1221																								
1700	411	441	472	501	528	560	591	620	648	680	711	739	769	796	824	853	884	928	960	989	1021	1049	1079	1108	1139	1168	1198	1227	1259	1287																								
1800	432	464	496	526	559	590	621	653	685	715	748	779	810	839	866	912	944	974	1007	1038	1069	1101	1132	1163	1197	1227	1259	1292	1322	1353																								
1900	456	489	521	555	590	621	654	686	717	752	785	818	850	880	927	962	994	1028	1059	1093	1127	1159	1191	1224	1255	1292	1324	1357	1388	1423																								
2000	482	516	548	584	620	653	686	718	752	789	825	858	891	938	976	1008	1046	1079	1112	1148	1184	1218	1250	1282	1316	1352	1390	1423	1454	1491																								
2100	511	548	583	620	657	692	729	763	800	837	875	907	941	993	1028	1065	1104	1137	1175	1212	1250	1283	1321	1354	1391	1425	1463	1496	1533	1572																								
2200	541	580	618	656	694	734	772	808	846	887	924	960	992	1060	1085	1122	1159	1199	1236	1275	1315	1352	1390	1429	1467	1500	1534	1573	1612	1698																								
2300	558	596	634	676	715	753	793	832	869	909	950	986	1036	1084	1115	1154	1194	1232	1273	1309	1347	1388	1429	1467	1505	1541	1577	1666	1704	1744																								
2400	576	614	652	694	737	776	813	850	890	931	990	1030	1067	1106	1144	1186	1230	1267	1305	1344	1383	1424	1467	1505	1542	1581	1667	1708	1750	1790																								
2500	591	644	677	715	756	796	834	875	914	970	1021	1036	1078	1115	1152	1194	1235	1275	1315	1354	1394	1435	1478	1515	1552	1640	1679	1721	1764	1802																								
2600	610	652	694	733	771	812	856	898	958	999	1042	1085	1127	1163	1202	1245	1287	1329	1372	1415	1457	1500	1542	1628	1667	1708	1750	1794	1836	1880																								
2700	634	678	724	765	805	847	894	954	999	1042	1087	1128	1174	1213	1254	1300	1345	1388	1433	1474	1518	1561	1651	1696	1738	1781	1825	1868	1911	1956																								
2800	656	706	752	797	841	884	928	993	1042	1087	1130	1175	1218	1262	1306	1353	1402	1447	1490	1534	1579	1671	1714	1764	1810	1855	1897	1941	1987	2035																								
2900	671	720	773	822	870	918	1011	1058	1113	1160	1211	1259	1307	1353	1401	1451	1504	1552	1601	1650	1730	1792	1839	1889	1939	1989	2038	2086	2128	2176																								
3000	692	742	810	843	894	938	1032	1080	1135	1183	1232	1281	1329	1376	1423	1472	1525	1575	1623	1672	1750	1812	1861	1911	1962	2012	2059	2109	2149	2197																								
3100	714	765	847	866	914	961	1055	1101	1156	1206	1254	1303	1352	1396	1445	1495	1548	1596	1645	1695	1773	1835	1884	1932	1984	2033	2082	2130	2172	2219																								
3200	737	785	887	911	937	984	1078	1124	1179	1227	1277	1325	1373	1420	1467	1517	1570	1618	1667	1716	1797	1858	1904	1955	2007	2055	2104	2152	2194	2242																								
3300	758	808	924	942	960	1004	1098	1147	1201	1250	1298	1347	1395	1442	1489	1539	1590	1640	1689	1738	1819	1880	1927	1978	2029	2078	2125	2176	2216	2263																								
3400	780	832	962	971	982	1026	1120	1168	1222	1273	1321	1369	1419	1464	1511	1561	1613	1662	1710	1761	1840	1902	1950	1998	2051	2100	2148	2197	2239	2286																								
3500	803	853	999	1001	1002	1049	1142	1189	1245	1294	1343	1391	1440	1486	1533	1583	1636	1683	1732	1781	1863	1923	1969	2021	2074	2121	2171	2219	2261	2308																								

COMMON APPLICATIONS

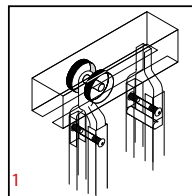
Internal medium to high security domestic and selected commercial and retail applications. Made to measure in powder coated pre-galvanised steel.

CONSTRUCTION

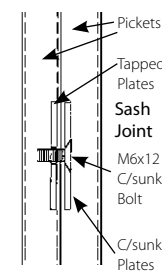
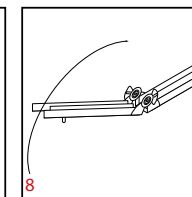
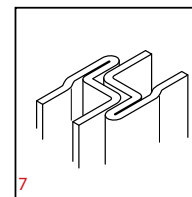
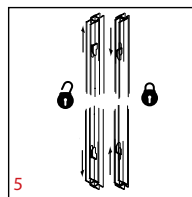
Lattice
High grade steel in 'X' lattice as standard and 'S' lattice as an option. Weight 19 kgm2 nominal



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.



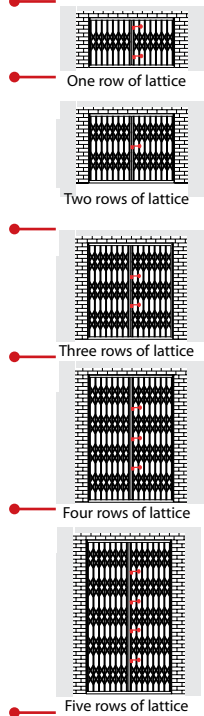
Gate Height Range (mm)	Number of lock hooks available
100	2 (4 optional)
1000-501	2
500-350	Fixed Panel

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	786	803	817	832	845	858	870	882	896	907	922	933	945	960	970	985	996	1008	1022	1034	1047	1059	1072
900	828	846	863	878	895	909	926	941	958	972	989	1004	1021	1035	1052	1067	1084	1098	1115	1130	1147	1160	1178
1000	870	889	907	954	972	992	950	1030	1049	1067	1087	1106	1124	1142	1160	1180	1199	1218	1236	1255	1275	1294	1312
1100	965	988	1008	1031	1052	1073	1073	1117	1139	1160	1183	1206	1227	1250	1273	1294	1316	1339	1360	1383	1404	1425	1448
1200	1036	1056	1084	1104	1128	1155	1175	1193	1212	1231	1250	1268	1287	1306	1325	1344	1363	1383	1401	1420	1438	1457	1477
1300	1088	1106	1130	1155	1182	1208	1232	1257	1282	1307	1332	1359	1384	1409	1434	1458	1485	1510	1534	1560	1584	1610	1636
1400	1163	1191	1218	1245	1273	1298	1325	1352	1378	1406	1433	1458	1486	1513	1539	1566	1593	1619	1646	1674	1700	1727	1754
1500	1208	1234	1259	1285	1312	1340	1367	1392	1420	1447	1472	1500	1528	1553	1580	1608	1634	1660	1687	1714	1741	1768	1794
1600	1248	1275	1301	1328	1354	1383	1409	1435	1463	1489	1515	1542	1570	1596	1623	1650	1676	1703	1730	1757	1784	1810	1836
1700	1317	1345	1373	1402	1431	1458	1487	1515	1544	1573	1601	1629	1657	1684	1714	1742	1770	1799	1827	1856	1885	1913	1939
1800	1386	1416	1448	1480	1511	1542	1575	1605	1637	1670	1700	1731	1764	1794	1826	1858	1889	1920	1952	1983	2015	2046	2078
1900	1457	1489	1519	1552	1583	1662	1695	1726	1757	1789	1821	1851	1884	1914	1946	1978	2008	2039	2072	2102	2134	2166	2197
2000	1529	1561	1595	1675	1707	1741	1773	1807	1840	1872	1906	1938	1973	2006	2038	2072	2104	2139	2171	2204	2238	2270	2304
2100	1609	1690	1727	1764	1799	1835	1870	1907	1944	1980	2016	2053	2087	2124	2162	2197	2234	2270	2306	2342	2379	2414	2451
2200	1735	1773	1811	1850	1888	1926	1962	2000	2038	2077	2115	2151	2190	2227	2265	2304	2340	2379	2416	2454	2493	2529	2568
2300	1781	1821	1860	1896	1934	1973	2011	2049	2085	2123	2162	2199	2238	2274	2312	2351	2388	2426	2463	2502	2540	2577	2613
2400	1829	1866	1904	1941	1980	2017	2055	2093	2130	2168	2206	2244	2283	2319	2357	2395	2433	2472	2508	2546	2583	2622	2661
2500	1841	1882	1922	1959	1998	2036	2075	2112	2149	2187	2225	2263	2301	2338	2377	2414	2452	2488	2527	2566	2603	2641	2678
2600	1922	1964	2007	2050	2092	2134	2177	2219	2262	2305	2347	2389	2432	2475	2517	2559	2602	2644	2688	2730	2771	2815	2857
2700	2001	2046	2087	2130	2143	2185	2227	2270	2312	2355	2398	2440	2482	2525	2568	2610	2650	2694	2736	2778	2821	2863	2906
2800	2083	2128	2172	2214	2259	2304	2347	2390	2435	2479	2523	2568	2611	2655	2698	2743	2788	2831	2876	2920	2962	3008	3051
2900	2224	2271	2318	2366	2413	2460	2507	2554	2602	2648	2696	2743	2791	2837	2885	2932	2980	3026	3074	3122	3169	3216	3263
3000	2246	2293	2340	2388	2435	2482	2529	2577	2623	2670	2718	2765	2813	2859	2906	2954	3001	3048	3095	3143	3190	3237	3284
3100	2268	2315	2362	2410	2456	2504	2550	2599	2645	2693	2739	2788	2834	2882	2928	2977	3023	3071	3117	3165	3212	3259	3308
3200	2290	2337	2385	2432	2479	2526	2574	2621	2668	2714	2763	2809	2857	2904	2952	2999	3046	3093	3141	3188	3235	3282	3330
3300	2312	2359	2408	2454	2502	2548	2597	391	2690	2736	2785	2831	2879	2925	2974	3020	3067	3114	3162	3209	3256	3303	3351
3400	2334	2381	2429	2476	2523	2570	2617	2665	2711	2759	2806	2854	2900	2948	2995	3043	3090	3137	3185	3232	3279	3325	3374
3500	2356	2403	2451	2498	2545	2594	2640	2688	2734	2782	2829	2876	2923	2970	3018	3065	3112	3159	3207	3254	3301	3348	3395



***Please note:**
See page 33 for bunching sizes

OPTIONS

Folding bottom track*	£44.34 per sash
Fixed Panel	Trade discount increased 5%
Removable bottom track	£44.82
Reinforced locking (3 or 4 point)	£59.41
Hinge aside (add lift up bottom track if required)	£126.47 per sash
Additional blank key	£4.54
Handle with fixings	£7.40 each
Reinforced top/bottom track for face fitting	£18.41 per m (45 x 20 mm section)
Floating sash	£110.69
Bottom running	£7.40 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	£10.51 fitted
Full cylinder Euro profile lock	£20.79 fitted
Slam lock and post	£89.65
Available component parts	
Top track per metre	Code: YGA430S0 £15.17 per linear metre
Bottom track W per metre	Code: YGA021S0 £15.54 per linear metre
Replacement lock	Code: YGA133L0 £37.49 (specify keyed alike/different)
Lock post	Code: YGA031S0 £4.78 per metre



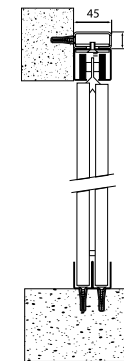
SeceuroGuard 1000 can be supplied in Band A & B colours at no extra charge. See page 66 for further details. For external applications, a dark colour is recommended.

***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.

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).



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	398	421	444	472	499	522	545	567	590	613	635	659	681	706	728	750	775	798	821	848	875	899	922	944	967	990	1014	1037	1060	1083	1107	974	1002	1026	1053	1082	1105	1149	1176	1201	1228									
1100	422	446	476	503	529	555	583	610	632	659	688	711	736	763	793	813	840	868	894	922	949	974	1002	1026	1053	1082	1105	1149	1176	1201	1228	1002	1026	1075	1089	1115	1150	1243	1262	1284	1319									
1200	427	457	487	513	536	566	595	616	645	672	704	731	754	783	812	836	864	895	922	940	973	1002	1026	1075	1089	1115	1150	1243	1262	1284	1319	1026	1075	1089	1115	1150	1243	1262	1284	1319	1376									
1300	457	487	518	544	568	600	630	654	686	715	746	775	803	834	863	891	921	949	979	1007	1034	1120	1152	1181	1208	1238	1272	1283	1324	1344	1376	1120	1152	1181	1208	1238	1272	1283	1324	1344	1376									
1400	508	541	571	600	628	659	690	726	754	785	821	853	884	918	949	982	1014	1046	1076	1129	1160	1194	1225	1256	1290	1322	1353	1388	1418	1449	1484	1194	1225	1256	1290	1322	1353	1388	1418	1449	1484									
1500	525	559	590	622	656	686	717	753	785	821	853	884	918	950	986	1017	1050	1104	1138	1171	1203	1238	1273	1303	1336	1370	1406	1437	1469	1503	1533	1238	1273	1303	1336	1370	1406	1437	1469	1503	1533									
1600	545	578	610	646	684	715	748	783	821	853	884	918	949	986	1023	1054	1086	1160	1180	1211	1244	1280	1319	1348	1380	1418	1456	1486	1519	1552	1583	1280	1319	1348	1380	1418	1456	1486	1519	1552	1583									
1700	575	610	645	684	721	754	789	827	866	900	936	967	1002	1037	1076	1130	1167	1203	1243	1276	1312	1348	1388	1421	1457	1493	1533	1567	1603	1638	1674	1348	1388	1421	1457	1493	1533	1567	1603	1638	1674									
1800	604	642	680	717	757	796	834	872	910	949	987	1022	1054	1112	1150	1188	1225	1265	1303	1341	1379	1418	1456	1493	1533	1572	1610	1647	1684	1725	1763	1418	1456	1493	1533	1572	1610	1647	1684	1725	1763									
1900	635	677	717	757	799	836	873	918	959	995	1035	1072	1129	1171	1211	1252	1290	1330	1371	1411	1449	1491	1530	1572	1611	1651	1689	1732	1773	1811	1851	1491	1530	1572	1611	1651	1689	1732	1773	1811	1851									
2000	667	712	754	796	835	876	918	960	1004	1044	1085	1142	1189	1228	1273	1312	1352	1396	1443	1484	1520	1561	1602	1646	1694	1732	1770	1818	1861	1899	1941	1561	1602	1646	1694	1732	1770	1818	1861	1899	1941									
2100	709	754	802	843	889	929	973	1018	1065	1105	1148	1209	1252	1297	1343	1386	1429	1474	1520	1562	1608	1648	1695	1735	1779	1822	1866	1913	1957	2005	2101	1648	1695	1735	1779	1822	1866	1913	1957	2005	2101									
2200	753	800	845	895	939	986	1031	1080	1125	1167	1208	1293	1321	1367	1411	1460	1507	1552	1600	1646	1694	1740	1786	1826	1868	1915	1961	2064	2110	2159	2205	1740	1786	1826	1868	1915	1961	2064	2110	2159	2205									
2300	773	822	872	919	964	1013	1057	1108	1156	1199	1262	1319	1357	1406	1454	1502	1549	1593	1639	1689	1740	1786	1831	1874	1919	2028	2076	2123	2168	2214	2262	1786	1831	1874	1919	2028	2076	2123	2168	2214	2262									
2400	795	845	898	944	991	1037	1083	1134	1206	1253	1299	1344	1392	1445	1496	1542	1588	1637	1682	1734	1786	1831	1877	1926	2029	2080	2133	2178	2225	2272	2318	1831	1877	1926	2029	2080	2133	2178	2225	2272	2318									
2500	825	872	921	967	1016	1066	1113	1181	1243	1262	1311	1357	1402	1454	1504	1552	1600	1648	1698	1746	1799	1845	1889	1996	2044	2095	2146	2193	2242	2289	2338	1845	1889	1996	2044	2095	2146	2193	2242	2289	2338									
2600	844	891	937	990	1040	1092	1166	1217	1267	1321	1371	1418	1465	1515	1567	1619	1671	1724	1773	1826	1877	1982	2029	2080	2133	2183	2235	2288	2338	2391	2442	1982	2029	2080	2133	2183	2235	2288	2338	2391	2442									
2700	880	931	983	1033	1088	1160	1217	1267	1322	1373	1426	1477	1526	1582	1638	1689	1743	1794	1849	1899	2011	2061	2116	2168	2221	2273	2327	2382	2436	2490	2542	2061	2116	2168	2221	2273	2327	2382	2436	2490	2542									
2800	918	970	1023	1078	1130	1209	1267	1322	1376	1429	1484	1535	1589	1647	1706	1762	1813	1868	1923	2032	2086	2146	2203	2258	2310	2365	2417	2478	2537	2590	2644	2146	2203	2258	2310	2365	2417	2478	2537	2590	2644									
2900	942	1001	1060	1116	1230	1287	1353	1415	1473	1533	1592	1647	1705	1766	1829	1889	1948	2010	2106	2181	2239	2300	2364	2422	2481	2541	2590	2646	2708	2765	2823	2300	2364	2422	2481	2541	2590	2646	2708	2765	2823									
3000	987	1029	1088	1143	1256	1314	1380	1440	1502	1560	1619	1675	1732	1793	1857	1916	1975	2033	2133	2206	2264	2327	2388	2450	2508	2568	2617	2673	2733	2791	2850	2327	2388	2450	2508	2568	2617	2673	2733	2791	2850									

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

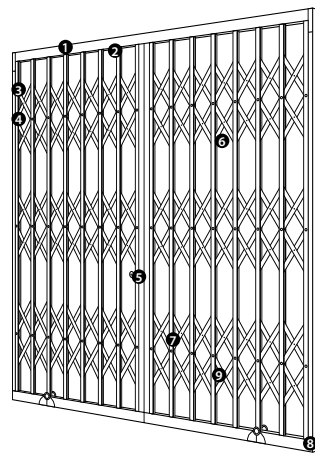
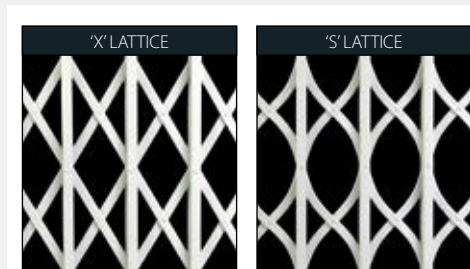
Please note: Lowest lock position not available with bottom folding track

COMMON APPLICATIONS

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

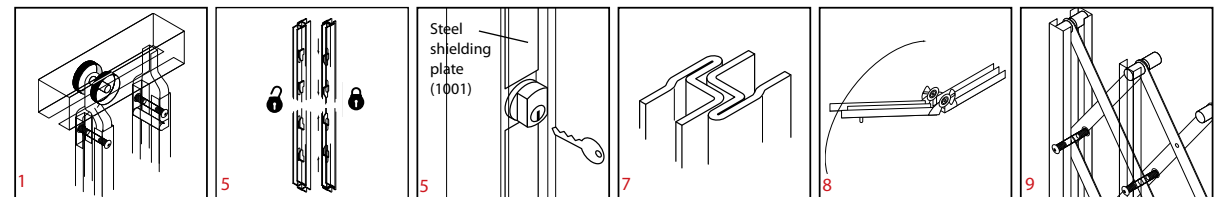
CONSTRUCTION

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

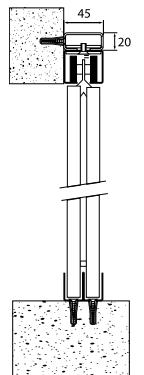
The validity of the LPCB certification is contingent upon each security gate being installed in accordance with the requirements of LPS 1175.

- 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

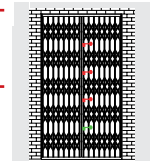
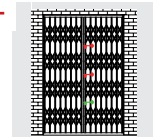
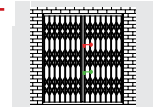
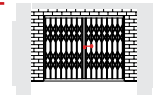
The standard arrangement for a face fitted gate is as shown with the top track and sides face fixed and the bottom track reveal fixed. When ordering please identify clearly how each side of the frame will be fitted. Importantly, the size of your order will be manufactured to a height including fixing 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	1160	1184	1208	1230	1253	1276	1299	1322	1344	1368	1377	1386	1395	1425	1436	1477	1486	1496	1546	1556
1100	1254	1280	1306	1332	1361	1388	1415	1440	1467	1493	1580	1667	1677	1727	1738	1788	1798	1807	1867	1888
1200	1343	1373	1407	1429	1453	1474	1497	1520	1544	1567	1647	1727	1738	1788	1807	1858	1867	1877	1937	1958
1300	1407	1438	1469	1502	1531	1561	1592	1621	1653	1683	1741	1798	1807	1858	1867	1918	1928	1948	2008	2028
1400	1515	1549	1580	1612	1646	1678	1710	1743	1774	1809	1833	1858	1867	1918	1937	1988	1998	2008	2079	2099
1500	1564	1598	1630	1664	1697	1728	1762	1793	1826	1858	1889	1918	1928	1988	1998	2058	2068	2079	2148	2168
1600	1616	1648	1682	1715	1746	1779	1811	1845	1877	1909	1944	1979	1998	2049	2068	2119	2140	2148	2219	2240
1700	1706	1742	1774	1810	1845	1880	1915	1948	1983	2018	2144	2269	2280	2349	2359	2430	2450	2460	2549	2560
1800	1801	1839	1877	1916	1955	1992	2030	2070	2107	2146	2239	2329	2339	2410	2430	2501	2510	2529	2621	2630
1900	1889	1928	2023	2060	2100	2139	2176	2214	2252	2291	2340	2389	2410	2480	2501	2570	2580	2601	2691	2701
2000	2038	2079	2119	2159	2200	2241	2280	2319	2359	2401	2426	2450	2471	2541	2560	2630	2649	2670	2762	2770
2100	2146	2191	2234	2277	2320	2366	2411	2454	2499	2542	2579	2626	2645	2726	2740	2821	2840	2861	2957	2972
2200	2250	2296	2343	2388	2434	2481	2527	2574	2618	2665	2733	2801	2821	2912	2922	3012	3031	3051	3154	3173
2300	2309	2355	2401	2446	2493	2538	2583	2631	2675	2723	2792	2861	2882	2972	2991	3083	3093	3113	3222	3242
2400	2365	2411	2455	2502	2547	2596	2641	2687	2732	2777	2855	2931	2952	3031	3051	3143	3163	3184	3293	3314
2500	2386	2433	2479	2525	2570	2617	2664	2709	2756	2800	2896	2991	3012	3103	3123	3213	3234	3254	3363	3383
2600	2494	2546	2598	2649	2701	2753	2805	2856	2910	2959	3006	3051	3072	3163	3184	3283	3303	3323	3435	3453
2700	2596	2606	2661	2710	2763	2814	2864	2919	2969	3021	3067	3113	3134	3234	3254	3344	3375	3395	3504	3525
2800	2695	2750	2804	2856	2911	2962	3018	3072	3124	3178	3291	3404	3424	3535	3556	3656	3686	3704	3825	3846
2900	2881	2937	2995	3052	3110	3168	3226	3282	3340	3398	3430	3465	3484	3595	3614	3725	3746	3776	3896	3916
3000	2905	2962	3021	3078	3136	3193	3251	3309	3366	3423	3473	3525	3556	3656	3686	3796	3817	3836	3966	3986



*Please note:
See page 33 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 66

SeceuroGuard 1001 can be supplied in BAND A & B colours at no extra charge. See page 66 for further details. For external applications a dark colour is recommended.

OPTIONS

Folding bottom track*	£44.34 per sash
Fixed panel	Trade Discount increased 5%
Additional blank key	£4.54
Handle with fixings (one per sash supplied as standard)	£7.40 each
Reinforced top/bottom track for face fitting section	£18.41 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	£15.17 per linear metre
Bottom track 'W' per metre	Code: YGA021S0	£15.54 per linear metre
Replacement lock	Code: YGA133L0	£36.93 (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.

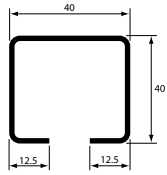
All approved gates carry a label detailing the manufacturer, test standard and rating.

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

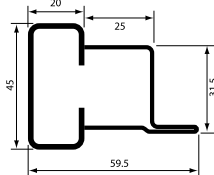
SeceuroGuard 1000 Bunch Sizes

Bunch Sizes

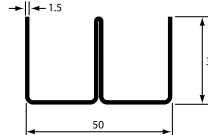
All clear opening sizes for single sash gates allow for the slam post. For hinge aside gates or folding bottom tracks, the bunch size is increased by a further 60 mm per sash



Top Track



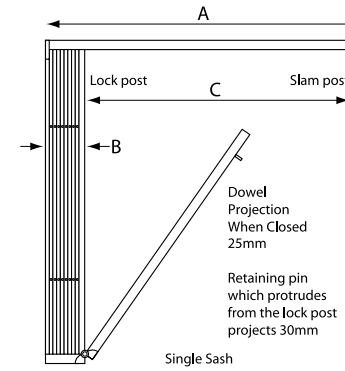
Single Sash Slam Post



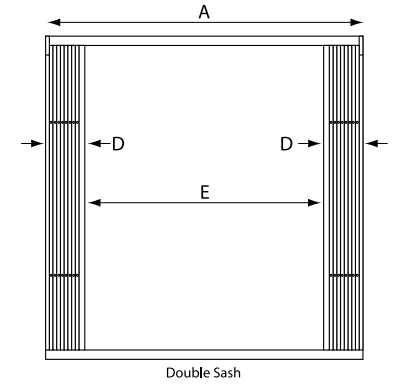
Bottom "W" Track



Bottom "T" Track



Single Sash

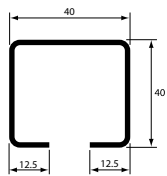


Double Sash

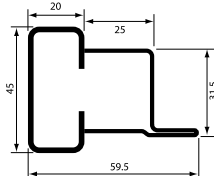
SeceuroGuard 1001 Bunch Sizes

Bunch Sizes

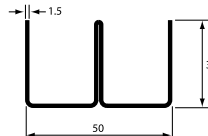
All clear opening sizes for single sash gates allow for the slam post.



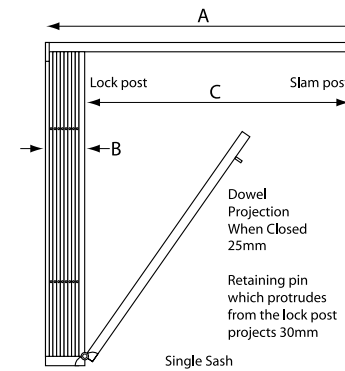
Top Track



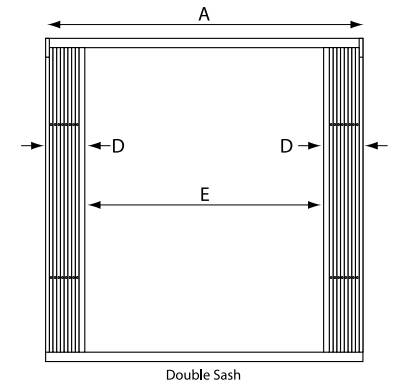
Single Sash Slam Post



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

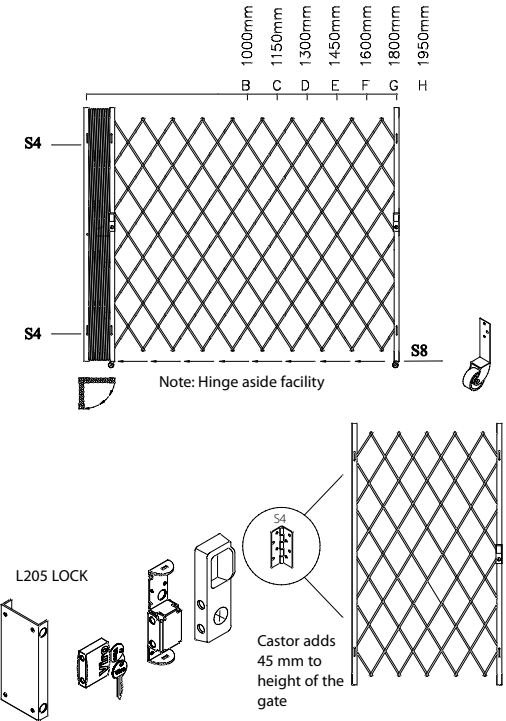
Xpanda Saftidor If lock required see below	Stack size	Width (mm)	Height (mm)	Minimum height available after cut down*	Sales code	Price (£) locks, tracks and brackets not included	Weight (kgs)
TYPE B	130	1000	2000	1620	YSD 90x200	£231.55	16
TYPE C	140	1150	2000	1620	YSD 115x200	£269.56	18
TYPE D	155	1300	2000	1620	YSD 130x200	£297.20	20
TYPE E	170	1450	2000	1620	YSD 145x200	£315.63	22
TYPE F	185	1600	2000	1620	YSD 160x200	£336.37	24
TYPE G	200	1800	2000	1620	YSD 180x200	£362.87	25
TYPE H	215	1950	2000	1620	YSD 195x200	£388.21	28
TYPE C	1150	2500	1620	1620	YSD 115x250	£473.46	25
TYPE D	1300	2500	1620	1620	YSD 130x250	£525.28	28
TYPE E	1450	2500	1620	1620	YSD 145x250	£574.82	31
TYPE F	1600	2500	1620	1620	YSD 160x250	£593.25	34

L205B lock pack keyed alike (incl. L205C bracket for face fix)	YSD I205B*	£51.42
L205B lock pack keyed different (incl. L205C bracket for face fix)	YSD I205B	£51.42
Blank keys for L205B	YSD I205	£7.00
Lock and accessory pack – XP1 – Saftidor Single sash	YSD XP1	£79.46
Lock and accessory pack – XP2 – Saftidor Double sash	YSD XP2	£102.84

Saftidor accessories	Sales code	Price (£)
S8 Saftidor castor (recommended with doors C to H)	YSD S8	£12.24
S9 Carpet cover plate	YSD S9	£3.66
Saftidor Handle	YMG530	£4.89
General accessories	Sales code	Price (£)
S3 "L" Bracket 40mm x 70mm	YSD S3	£4.89
S4 Butt hinge (per pair)	YSD S4	£3.66
S10 Hanger roller	YSD S10	£4.89
S13 Top Track 2 metre	YSD S13*	£57.26
S13 Top Track 3 metre	YSD S13*	£86.48
S25 Shootbolt	YSD S25	£19.87
S35 Double Locking "T" Bracket	YSD S35	£15.18
S36 Locking "U" Bracket	YSD S36	£9.35
Lock Keep	YSDL205D	£8.18
Cut down charge		£48.97

*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

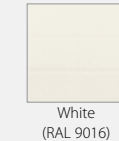
Lattice
12.7 x 12.7 x 0.9 mm tubular white epoxy coated cold rolled steel lattice set into 38 mm steel "U" channels by use of pivot pins.

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

Please note:

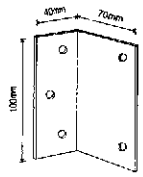
- The Saftidor is a diamond mesh collapsible gate, available in 7 standard widths and 2 heights (2 metres & 2.5 metres).
- Top Tracks are not supplied as standard but they are available as an optional extra in either a 2 or 3 metre length.
- Security can be enhanced with the addition of certain brackets (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.

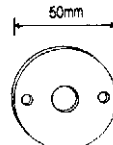


Gauge: 3 mm
Size: 40 x 70 mm



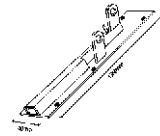
S8 SAFTIDOR CASTOR

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



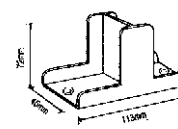
S9 CARPET COVER PLATE

When using a shoot bolt through a carpet prevents damage to carpet and finishes.



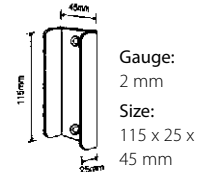
S25 SHOOT BOLT

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



S35 DOUBLE LOCKING "T" BRACKET

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



S36 "U" BRACKET

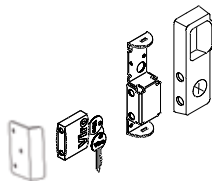
For locking two Saftidors together for added rigidity and extra strength.

Xpanda Saftiwindow	Width (mm)	Height (mm)	Minimum height available after cut down*	Sales code	Price (£)	Weight (kgs)
WB2	900	850	no cut down	YSW 90x85	£137.09	8
WD2	1200	850	no cut down	YSW 120x85	£164.73	9
WB3	900	1000	810	YSW 90x100	£149.75	8
WD3	1200	1000	810	YSW 120x100	£196.98	11
WB4	900	1150	820	YSW 90x115	£185.46	9
WD4	1200	1150	820	YSW 120x115	£238.46	12
WB5	900	1300	810 (a)	YSW 90x130	£209.65	10
WD5	1200	1300	810 (a)	YSW 120x130	£262.64	14
WB6	900	1450	810 (b)	YSW 90x145	£269.56	11
WD6	1200	1450	810 (b)	YSW 120x145	£321.39	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	£50.68
Cut down charge		£48.97
Lock & accessory pack - XP3 - Single	YSW XP3	£54.14
Lock & accessory pack - XP4 - Double	YSW XP4	£82.94

- XP3 – Single sash**
- 1 X L100 Lockpack
 - 2 x S36 Brackets
 - 1 no S8 castor
- XP4 – Double sash**
- 1 X L100 Lockpack
 - 2 x S36 Brackets
 - 1 x S35 T Bracket

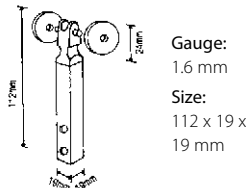


L100 (SMALL) LOCK

*Please see general accessories listed on page 34 for accessories which are suitable for both Saftidors and Saftiwindows.

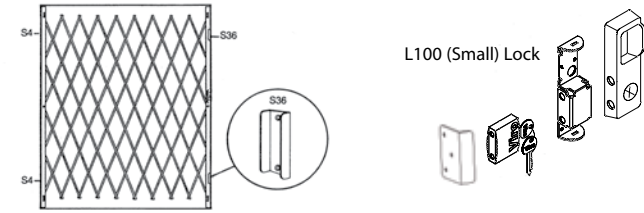
Please note:

- 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.



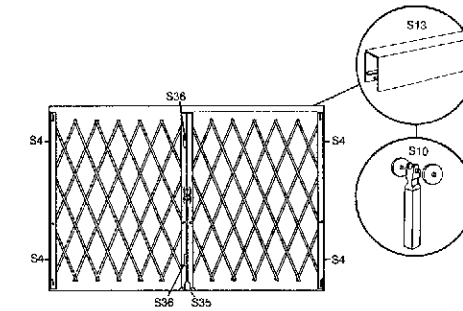
S10 SAFTIWINDOW / SAFTIDOR HANGER ROLLER

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.



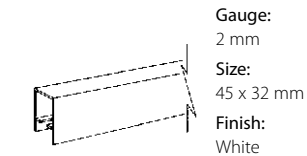
SINGLE SASH SAFTIWINDOW

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



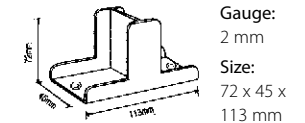
DOUBLE SASH SAFTIWINDOW

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.



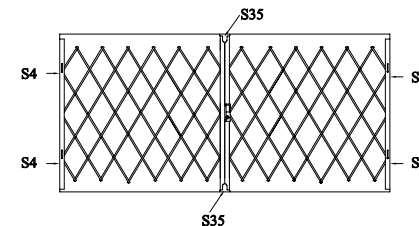
S13 TOP TRACK

Aluminium top track for Saftiwindows and Saftidors.



S35 DOUBLE LOCKING "T" BRACKET

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

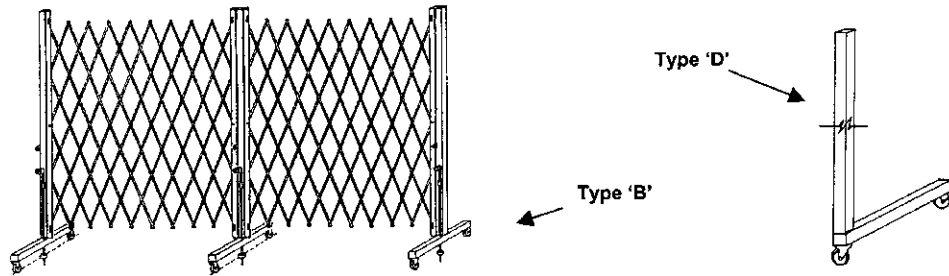


Using two S35 "T" brackets ensures absolute rigidity in the centre.

Saftidor Trackless Barrier System

Trolley	Sales code	Price (£)
Saftidor trolley type "B" + shoot bolt	YSD TROLLEY B	£164.73
Saftidor trolley type "D" (required where 2 Saftidors meet at 90 degrees to each other)	YSD TROLLEY D	£131.31

- 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

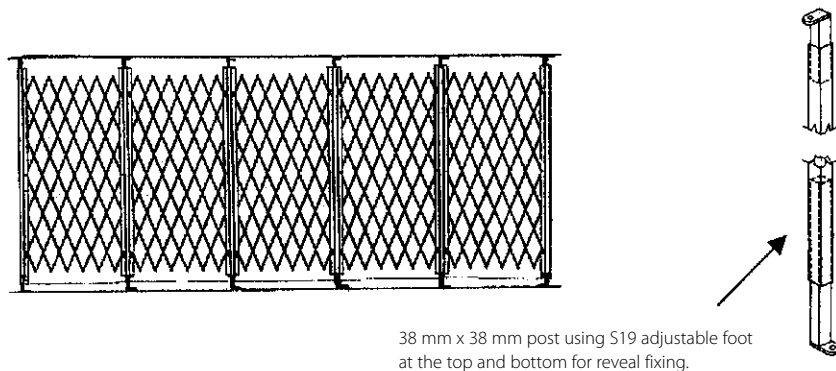
Can be used for barrier access for shopping centres, factory units, car parks, loading bays, function centres, warehouses, sports facilities, crowd control or simply for partitioning.

CONSTRUCTION

Saftidor units operating on a series of steel trolleys. See page 34 for Saftidor specification and prices.

Adjustable Post System

Post	Length	Sales code	Price (£)
S18 Post 38 mm x 38 mm	2 m	YXC S18	£40.32
S18 Post 38 mm x 38 mm	3 m	YXC S18*	£61.06
S19 Adjustable Foot	500 mm	YXC S19	£19.58
Spring loaded dust cover	n/a	YSLDC	£26.49



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	£323.70	28	1840mm @ £52.20 1840 - 1600 mm @ £105.00
1330	260	2000	YDD 133x200	£397.43	34	1840mm @ £52.50 1840 - 1600 mm @ £105.00
1650	320	2000	YDD 165x200	£466.55	40	1840 mm @ £52.50 1840 - 1600 mm @ £105.00

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	£231.55
S71C Lock protection plate	YDD S71C	£33.99
Heavy duty castor	YDD CASTOR	£9.35
L205B Lock pack	YSD L205B	£50.68
S36 Locking 'U' Bracket	YSD S36	£9.35

- 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.

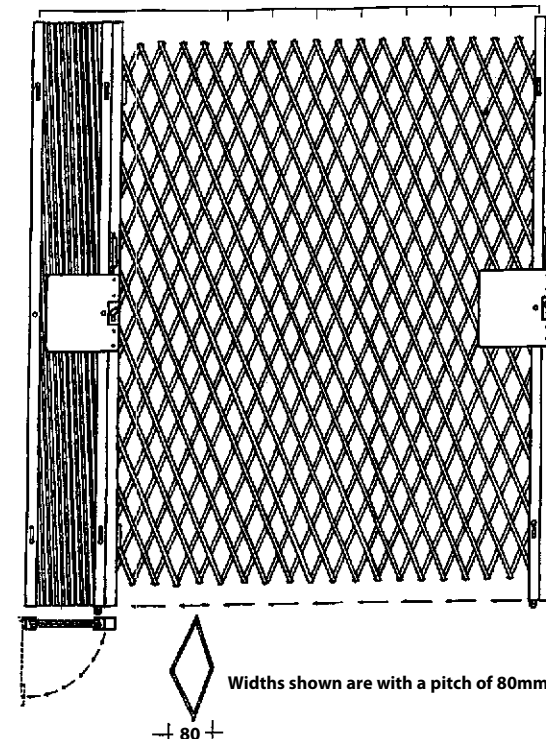
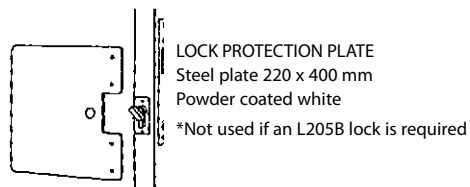
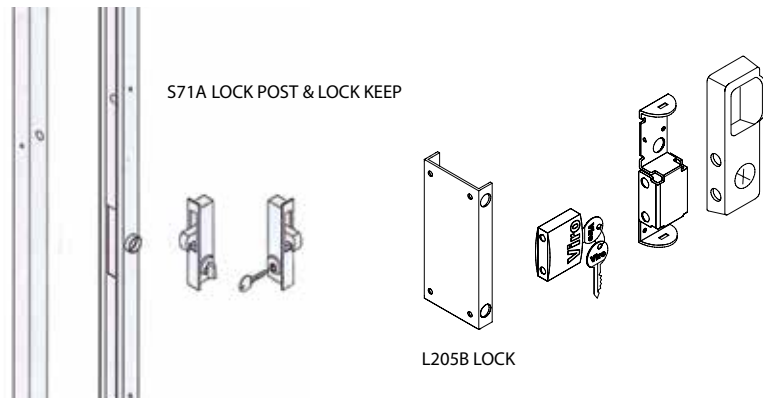
Overview

COMMON APPLICATIONS

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

CONSTRUCTION

Tubular steel lattice powder coated white as standard.



* 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.

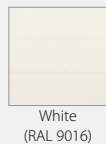
INSTALLATION

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



THIS PRODUCT CAN BE POWDER COATED
See page 66

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

ORDERING NOTE:

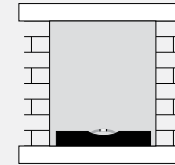
Ensure that tight reveal sizes (in particular the height) are given when ordering. Failure to do this could mean that the bars are cut too short for the opening compromising the level of security achieved.

HINTS & TIPS

SURVEYING

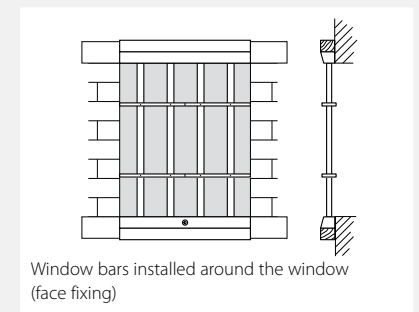
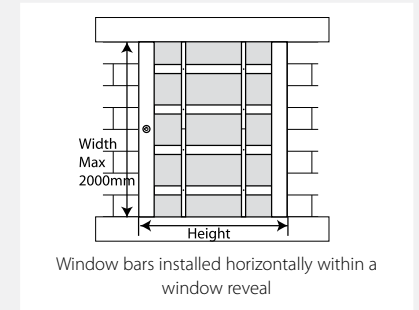
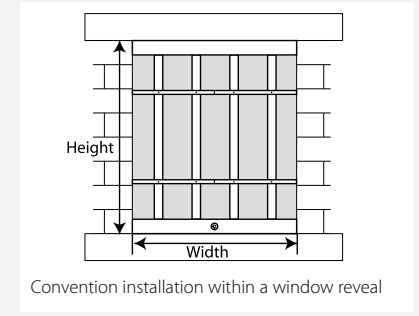
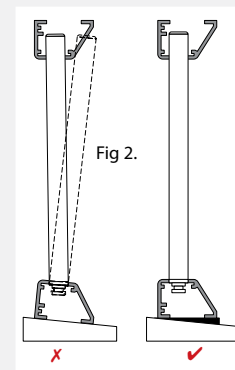
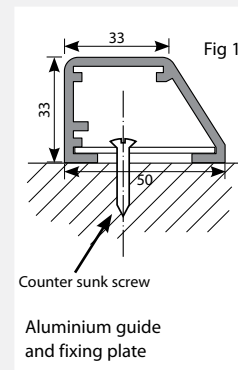
It is important to check during the survey that the opening is suitable for SeceuroBar. If the reveal construction is solid steel or a cavity then it would be better to face fix the system around the opening.

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?

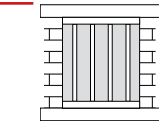
Spreader bars are used to reduce the deflection on taller applications and ease removal of the bars. Two rows of spreader bars are required on all bar systems above 1500 mm tall. The spreader bars should be fitted one quarter tube height from the top and bottom to give maximum rigidity. The spreader 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

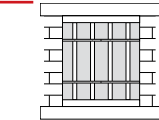
The system can be supplied (at additional cost) with pre powder coated 50 mm x 50 mm aluminium packers to face fix it to any wall. When mounting the bars horizontally the lock must always be fixed on the left hand side looking from inside out.

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	206	211	216	228	239	251	267	279	295	307	314	333	339	356	371	384	396	408	422	436	449	462	473
900	210	216	228	241	251	269	283	298	310	323	336	349	360	377	390	404	416	431	446	456	473	486	500
1000	211	226	239	251	267	282	301	313	329	342	355	370	384	398	412	424	439	452	468	480	493	511	525
1100	224	248	252	269	286	303	318	335	351	367	380	398	415	428	444	458	477	489	506	522	539	554	572
1200	228	252	258	274	294	308	322	340	358	371	387	405	422	439	453	473	489	505	519	540	554	568	592
1300	241	260	274	294	310	328	342	360	379	396	413	431	448	468	483	504	518	537	554	572	590	607	623
1400	267	286	305	324	343	360	377	398	416	436	453	475	493	513	535	550	572	591	610	629	649	680	698
1500	274	297	314	336	355	374	396	413	433	452	475	493	513	535	550	574	592	612	632	664	686	705	725
1600	282	305	329	345	367	387	412	431	449	473	493	513	535	550	572	592	616	636	654	698	712	729	750
1700	301	323	345	367	387	412	435	453	477	500	522	543	564	581	605	626	649	681	702	725	750	766	790
1800	317	340	365	386	410	433	455	479	504	524	548	572	595	614	636	670	693	717	740	761	786	810	831
1900	335	358	382	406	433	455	480	505	525	550	577	602	623	647	680	705	729	754	778	801	826	850	874
2000	339	377	402	428	453	479	513	525	545	577	606	628	653	689	717	740	729	790	816	843	869	893	916
2100	360	402	426	453	482	509	536	559	586	614	642	664	690	728	754	782	810	833	860	888	916	943	968
	6	7	7	8	9	10	11	11	12	13	14	15	15	16	17	18	19	19	20	21	22	23	23



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: **£33.17**

3 Hole spreader bar

Code 3 hole: RB160E0

Code 2 hole: RB150E0

Each: **£26.18**

Plastic end cap

Code left: RB110P0

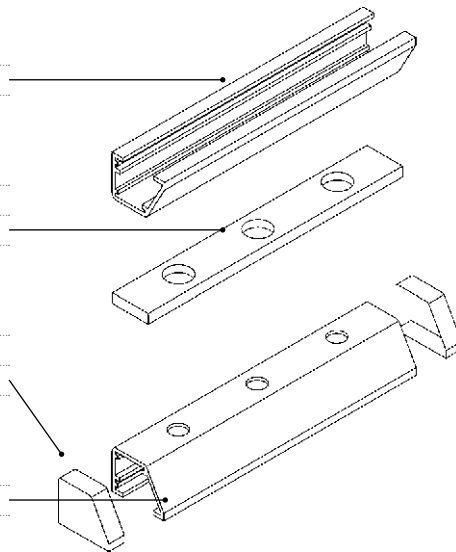
Code right: RB120P0

Each: **£1.07**

Bottom guide

Code: YRB020E1

Per metre: **£33.17**



Lock slider

Code: RB050S0

Each: **£21.51**

Tube socket

Code: RB080S0

Each: **£2.81**

10 Pin radial cam-lock

Code: RB070L0

Each: **£17.51**

Plastic tube end cap

Code: RB061P0

Each: **£0.18**

Fixing plate

Code: RB100S0

Each: **£1.07**

Slider plate

Code: RB090S0

Each: **£1.91**

50 mm x 50 mm x 3 mm Packing box section

Code: YBS550E0

Per metre: **£20.27**

19 mm Outer steel tube

Code: YRB031T0

Per metre: **£10.34**

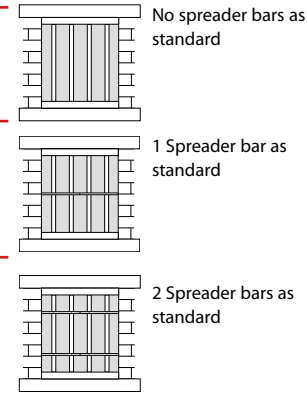
15 mm Inner steel tube

Code: YRB040T0

Per metre: **£4.84**

Width (mm)

Height (mm)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
800	217	217	217	217	234	253	274	294	311	331	350	371	389	410	428	449	468	486
900	217	217	219	242	263	284	307	329	350	373	394	416	439	459	482	504	525	548
1000	217	219	244	268	294	318	341	365	389	414	439	461	486	512	537	561	584	609
1100	217	242	268	296	322	349	375	403	428	438	482	510	537	563	589	615	643	670
1200	234	263	294	322	350	381	410	439	468	438	525	555	584	613	643	673	701	731
1300	253	284	318	349	381	411	442	476	507	539	570	603	633	665	696	729	760	792
1400	274	307	341	375	410	442	478	512	546	580	613	648	683	715	751	785	819	853
1500	294	329	365	403	439	476	512	548	584	622	658	694	731	766	804	839	878	914
1600	311	350	389	428	468	507	546	584	625	663	701	741	779	819	858	896	935	973
1700	331	373	414	455	497	539	580	622	663	705	745	787	828	868	911	954	993	1035
1800	350	394	439	482	525	570	613	658	701	745	789	834	878	921	965	1009	1052	1096
1900	371	416	461	510	555	603	648	694	741	787	834	881	927	971	1019	1064	1111	1158
2000	389	439	486	537	584	633	683	731	779	828	878	927	973	1022	1071	1121	1170	1217
2100	410	459	512	563	613	665	715	766	819	868	921	971	1022	1075	1125	1175	1228	1278
2200	428	482	537	589	643	696	751	804	858	911	965	1019	1071	1125	1178	1234	1288	1340
2300	449	504	561	615	673	729	785	839	896	954	1009	1064	1121	1175	1234	1290	1345	1401
2400	468	525	584	643	701	760	819	878	935	993	1052	1111	1170	1228	1288	1345	1403	1463
2500	486	548	609	670	731	792	853	914	973	1035	1096	1158	1217	1278	1340	1401	1463	1522



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 66 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 66

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

£52.50 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

£51.42 per linear metre
Available for face or reveal fixing

ZINC BASE PRIMER

Recommended if the bars are being installed externally

£61.25 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

£686.30 + 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	93	104	127	127	140	150	163	167	185	197	209	220	233	243	255	267	279	290
900	104	117	130	144	157	170	182	187	209	222	235	248	262	274	287	299	313	327
1000	116	130	152	169	182	198	213	229	244	259	275	319	305	320	334	350	365	381
1100	127	140	167	183	201	218	255	251	268	283	302	329	334	352	369	386	403	419
1200	140	157	182	201	219	237	299	275	294	310	329	348	365	384	403	420	439	456
1300	150	170	197	218	237	258	277	298	318	337	356	375	396	416	435	455	476	494
1400	163	182	213	235	255	277	299	320	341	363	384	405	426	449	471	489	512	534
1500	174	196	229	251	275	298	320	343	365	388	411	434	456	480	503	524	548	572
1600	185	209	244	268	294	318	341	365	389	414	439	461	486	512	537	561	584	609
1700	197	224	259	283	310	337	363	388	414	440	466	491	517	543	570	595	622	647
1800	209	235	275	302	329	356	384	411	439	466	492	520	548	577	604	631	658	685
1900	220	248	288	319	348	375	405	434	461	491	520	549	579	608	637	665	694	725
2000	233	262	305	334	365	396	426	456	486	517	548	579	609	640	670	700	731	761
2100	243	274	319	352	384	416	449	480	512	543	577	608	640	671	702	735	766	799
2200	255	287	334	369	403	435	471	503	537	570	604	637	670	702	736	769	804	837
2300	267	299	349	386	420	455	489	524	561	595	631	665	700	735	769	805	839	876
2400	279	313	365	403	439	476	512	548	584	622	658	694	731	766	804	839	878	914
2500	290	327	381	419	456	494	534	572	609	647	685	725	761	799	837	876	914	953

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	99	113	124	139	149	163	174	187	200	211	225	237	249	263	274	286	299	312
900	113	125	151	153	169	182	197	210	225	238	252	267	281	295	309	322	338	351
1000	124	141	164	180	197	213	231	246	262	278	296	310	328	344	360	376	393	410
1100	139	153	180	198	216	234	252	270	287	306	324	343	360	379	396	414	433	451
1200	149	169	197	216	236	254	276	296	313	333	354	373	393	412	433	452	473	490
1300	163	182	213	234	254	277	299	320	340	362	384	405	425	448	468	489	511	533
1400	174	197	231	252	276	299	322	344	366	389	412	435	457	481	504	525	549	575
1500	187	210	246	270	296	320	344	369	393	417	441	467	490	515	541	564	587	613
1600	200	225	262	287	313	340	366	393	419	447	473	497	523	549	577	604	629	654
1700	211	238	278	306	333	362	389	417	447	475	502	529	556	584	611	640	667	695
1800	225	252	296	324	354	384	412	441	473	502	531	560	587	618	648	677	707	736
1900	237	267	310	343	373	405	435	467	497	529	560	590	622	653	684	715	745	778
2000	249	281	328	360	393	425	457	490	523	556	587	622	654	687	721	754	786	819
2100	263	295	344	379	412	448	481	515	549	584	618	653	687	722	757	791	825	859
2200	274	309	360	396	433	468	504	541	577	611	648	684	721	757	792	828	864	901
2300	286	322	376	414	452	489	525	564	604	640	677	715	754	791	828	865	904	941
2400	299	338	393	433	473	511	549	587	629	667	707	745	786	825	864	904	942	983
2500	312	351	410	451	490	533	575	613	654	695	736	778	819	859	901	941	983	1022

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

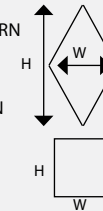
H = 77mm

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 66 at no extra cost.



THIS PRODUCT CAN BE POWDER COATED
See page 66



DIAMOND MESH

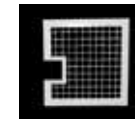


SQUARE MESH

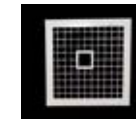
OPTIONS

CUT OUTS
£52.50 each

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



3 sided cut out

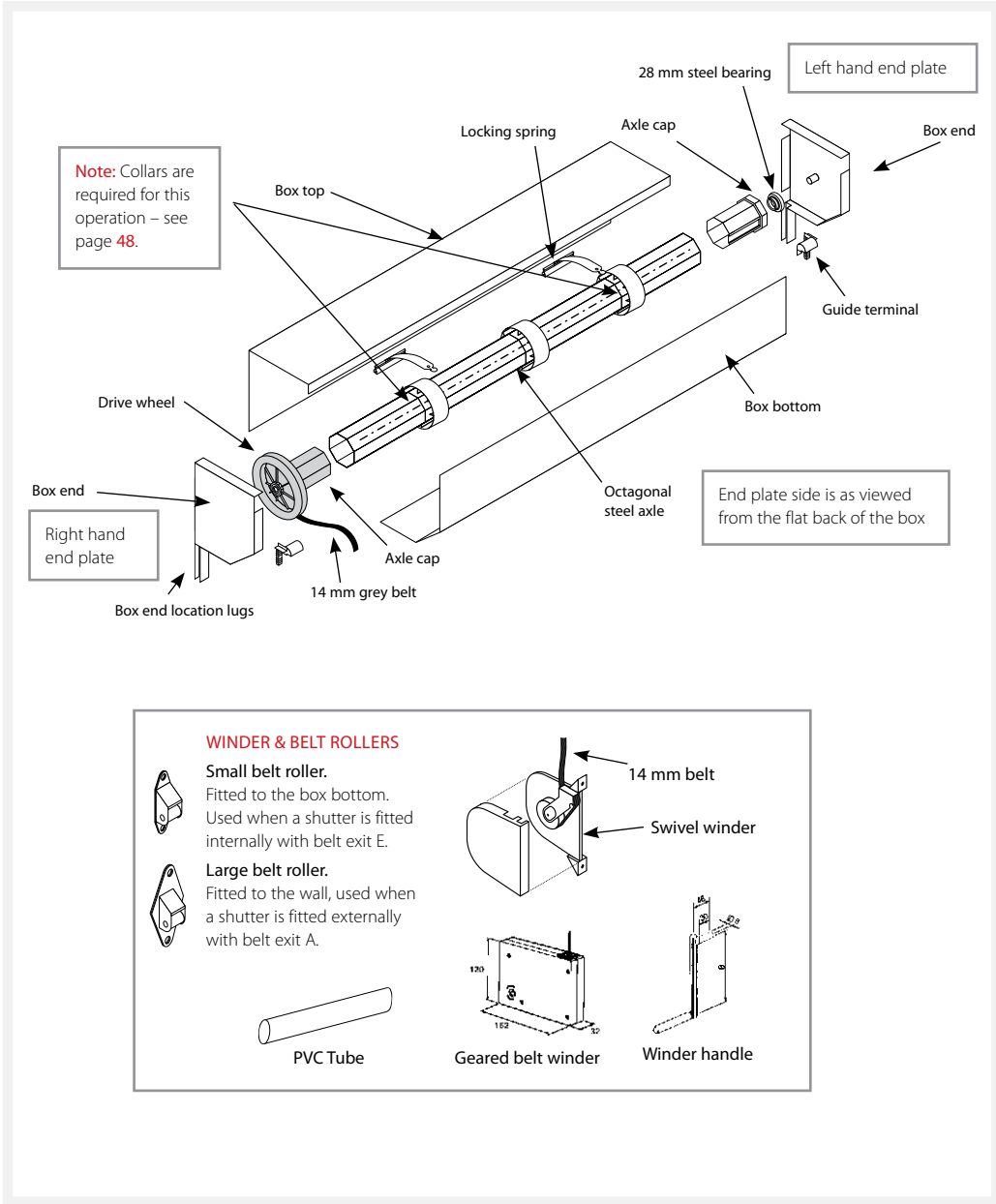


4 sided cut out

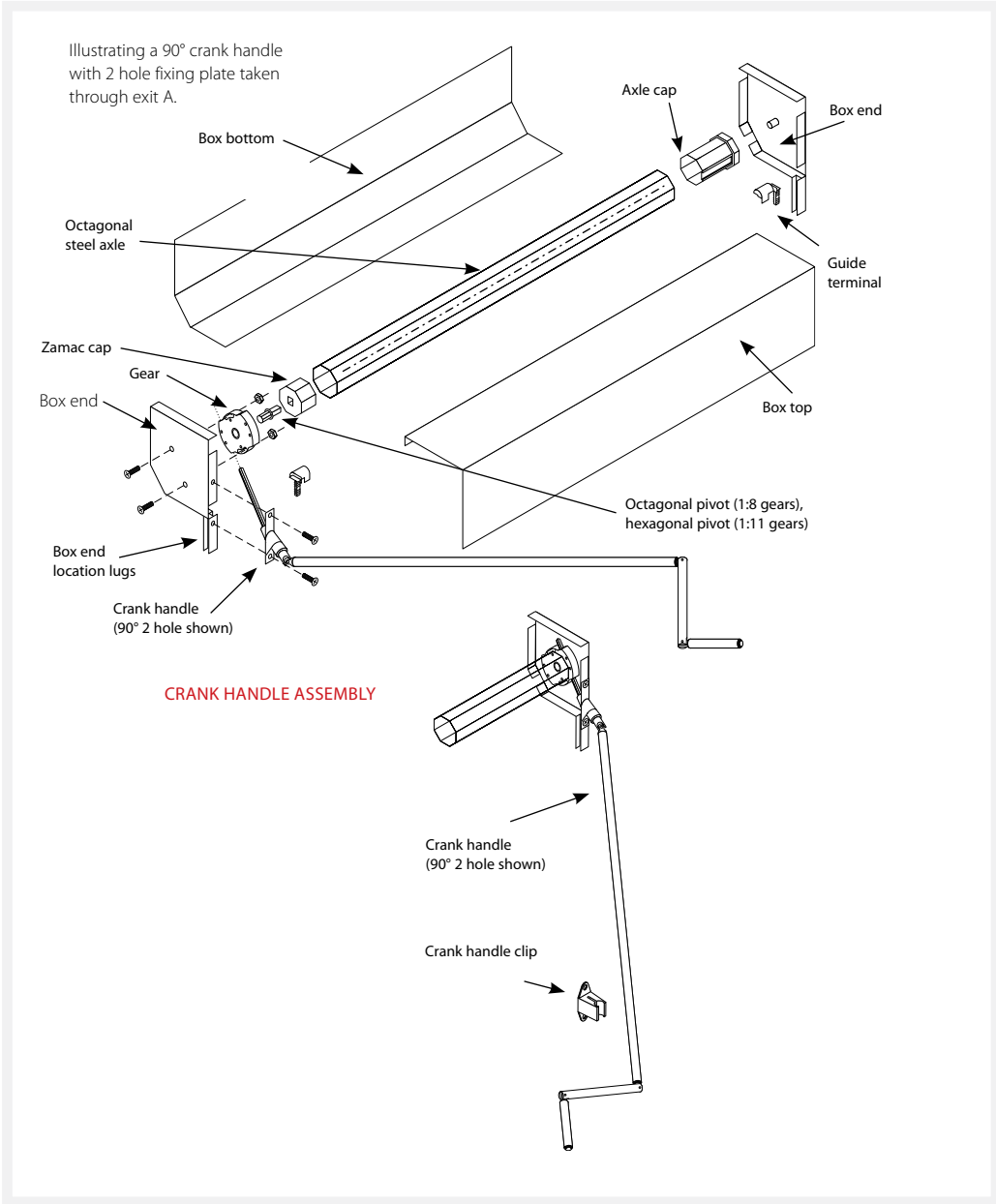
Please specify on your order the type, size and location of the cut out required.

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

Belt Operation

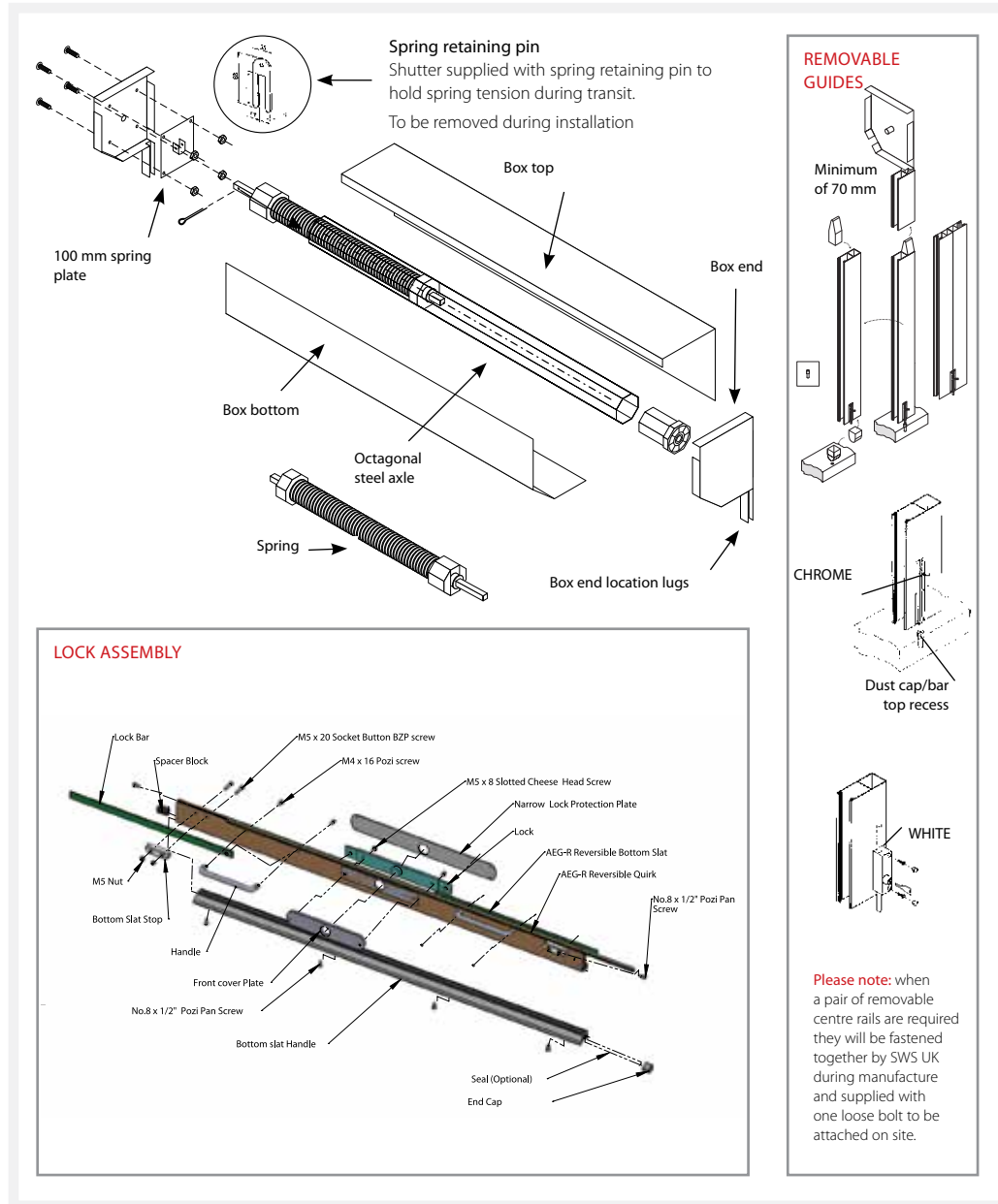


Rod Crank Operation

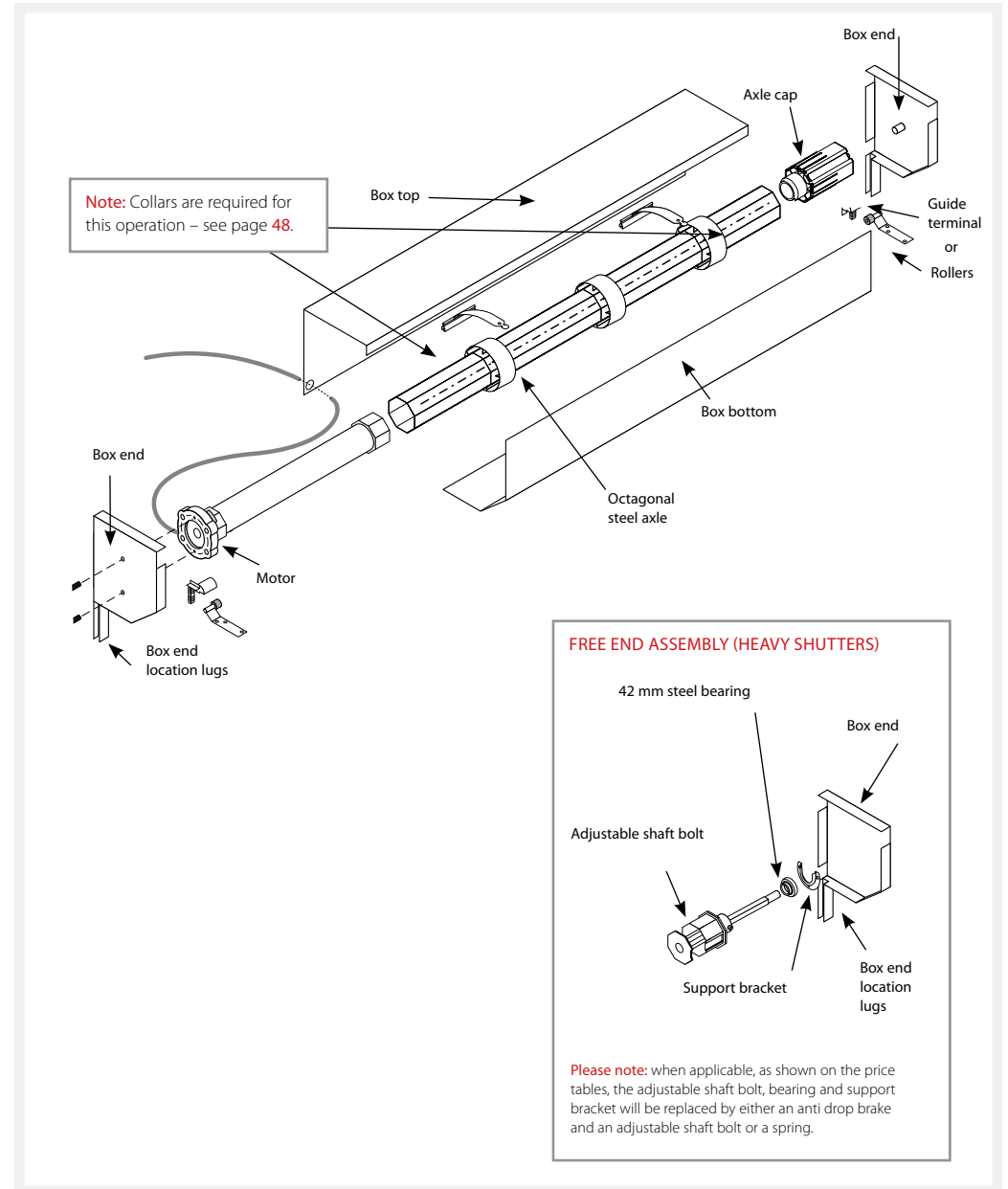


Shutter standard component parts - SecuroShield 150, SecuroShield 38/60/77, SecuroVision 38/800/900

Spring and Lock Operation



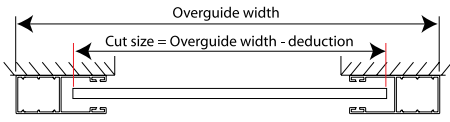
Electric Operation



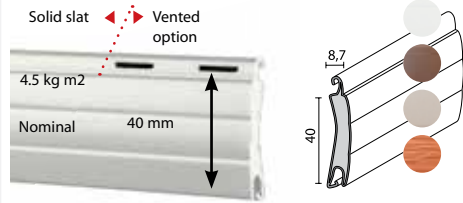
Components - Slats & Endlocks

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 **£3.87**
CURT CD150 Ready made curtain **£107.87/m²**
Endlocked with AEG bottom slat attached. The bottom slat will have a rubber seal fitted.

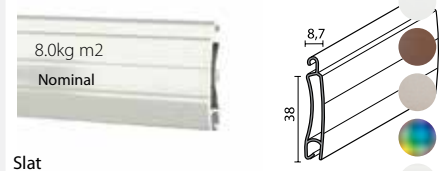
Deduction from overguide width

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 **£0.72**

Bottom Slat
Stock lengths 7.0 metres
YBS001E1 **£15.02 per metre**

SECEUROSHIELD 38



Slat
SeceuroShield 38 uses a double skin extruded aluminium slat.
Stock lengths 4.1/6.0 metres
YSL380E1 per metre **£6.92**
CURT CD38 PC Ready made curtain **£174.78/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

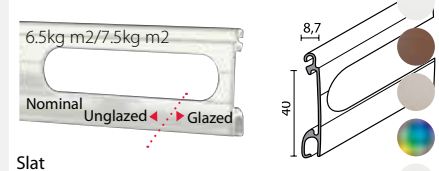
Endlocks
Fitted two per slat, every other slat. Slats are crimped to hold the endlock in place. For on site repairs the endlocks can be rivetted in place using 4 x 6 rivets.
YEL38010 Endlock **£0.72 each**

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 **£1.18 each**

Bottom Slat
Stock lengths 5.0 metres
YBS002E1 **£26.65 per metre**

Protective end caps
Fitted to the bottom slat angle to reduce the risk of injury. Available in grey.
BS120BG **£0.66 each**

SECEUROVISION 38 PUNCHED



Slat
SeceuroVision 38 uses a single skin extruded aluminium slat. 44% Vision
Stock lengths 6.5 metres
YSL382H1 per metre **£8.77**
CURT CD38 Punch Ready made curtain **£227.43/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

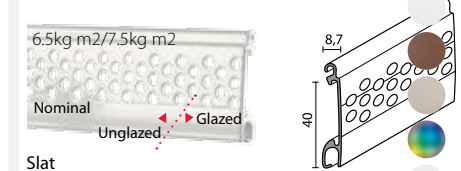
Endlocks
Fitted two per slat. left and right handed profiles. The endlocks are rivetted in place using 4 x 8mm rivets.
EL383L0 Left Endlock **£0.70 each**
EL383R0 Right Endlock **£0.70 each**

Glazing
Clear polycarbonate insert
1.0 mm thick 27 mm wide x 1250 mm long.
YSL851E0 Glazing **£2.09/m**

Bottom Slat
Stock lengths 5.0 metres
YBS002E1 **£26.65 per metre**

Protective end caps
Fitted to the bottom slat angle to reduce the risk of injury. Available in grey.
BS120BG **£0.66 each**

SECEUROVISION 38 PERFORATED



Slat
SeceuroVision 38 uses a single skin extruded aluminium slat. 18% Vision
Stock lengths 6.5 metres
YSL382H1 per metre **£8.77**
CURT CD38 PERF Ready made curtain **£227.42/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 **£0.70 each**
EL383R0 Right Endlock **£0.70 each**

Glazing
Clear polycarbonate insert
1.0 mm thick 27 mm wide x 1250 mm long.
YSL851E0 Glazing **£2.09/m**

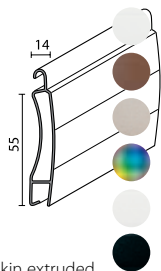
Bottom Slat
Stock lengths 5.0 metres
YBS002E1 **£26.65 per metre**

Protective end caps
Fitted to the bottom slat angle to reduce the risk of injury. Available in grey.
BS120BG **£0.66 each**

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 66) 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 **£12.15**

CURT CD60 PC Ready made curtain **£223.15/m²**

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

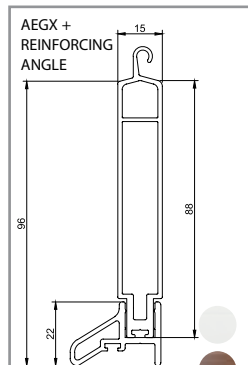
Deduction from overguide width

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 **£1.46 each**

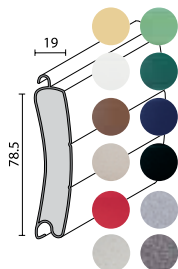


Bottom Slat
Stock lengths 6.5 metres
YBS003E1 **£37.13 per metre**



Protective end caps
Fitted to the bottom slat angle to reduce the risk of injury. Available in grey.
BS120BG **£0.66 each**

SECEUROSHIELD 77



Slat

SeceuroShield 770 uses a double skin foam filled aluminium slat.

Stock lengths 5.5/7 metres

YSL770A1 per metre **£9.88**

CURT CD77 PC Ready made curtain **£139.07/m²**

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

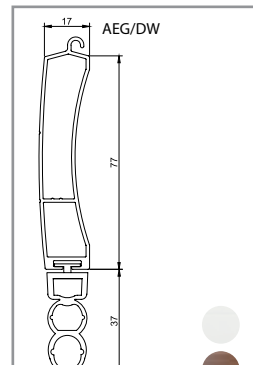
Deduction from overguide width

UPH250
100 mm

Endlocks

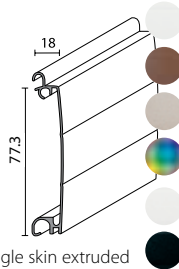
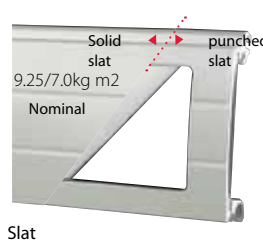
Fitted two per slat, every other slat. The endlocks are rivetted in place using 4 x 8mm rivets.

EL77010 Endlock **£1.46 each**



Bottom Slat
Stock lengths 7 metres
YBS004E1 **£14.79 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 **£19.06**

CURT CD800 PC Ready made curtain **£250.32/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 **£1.46 each**

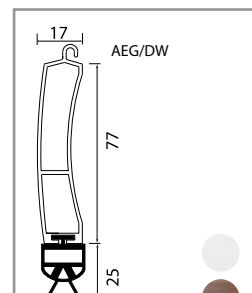
EL800R0 Right Endlock **£1.46 each**



Glazing

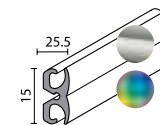
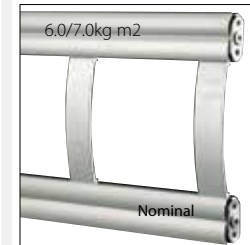
Clear polycarbonate insert 1.5 mm thick 69.25 mm wide x 2050 mm long.

YSL850E0 Glazing **£5.25 per metre**



Bottom Slat
Stock lengths 7 metres
YBS004E1 **£24.44 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 **£210.16/m²**

150 mm x 70 mm spacing

CURT CD900S Ready made curtain **£242.95/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

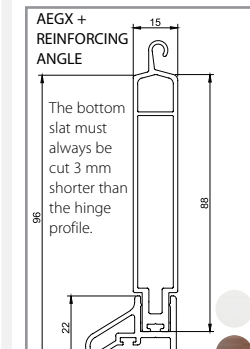
UPH140	UPH240	UPH250
74 mm	92 mm	105 mm

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 **£0.21 each**

EL701S0 Washer **£1.46 each**



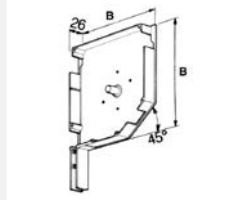
Bottom Slat
Stock lengths 6.5 metres
YBS003E1 **£37.13 per metre**



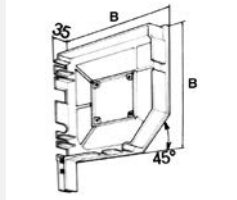
Protective end caps
Fitted to the bottom slat angle to reduce the risk of injury. Available in grey.
BS120BG **£0.66 each**

Components, End Plates & Shutter Box

137, 165, 180, 205, 254



250, 300

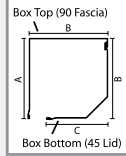


End Plates		
Box Type	Price Per Pair	Code
137	£22.28	YBX370E1
165	£21.83	BX650E1
180	£23.27	YBX800E1
205	£27.58	YBX050E1
254*	£54.19	YBX540E1
250	£54.19	YBX500E1
300	£66.00	YBX000E1
350 (steel)	£97.72	YBX350S0

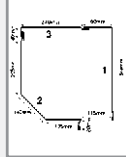
Steel end plates are supplied as standard on all SeceuroShield 3801 shutters, on all shutters in excess of 75kg in weight.
PLEASE NOTE ALL END PLATES AND BOXES LISTED ARE ALUMINIUM UNLESS STATED OTHERWISE.

* 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).

Shutter Box



350 BOX



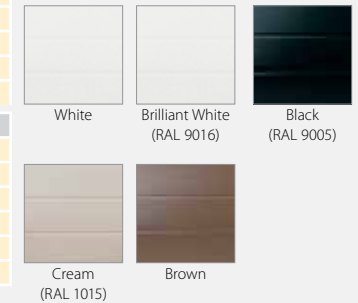
Box Type	Dimensions			Box Top		Box Bottom	
	A	B	C	Code	Per metre	Code	Per metre
137	137	142	105	YBX370T1	£19.34	YBX370B1	£14.73
165	169	165	125	YBX650T1	£22.21	YBX650B1	£16.91
180	183	180	147	YBX800T1	£28.22	YBX800B1	£22.77
205	210	205	171	YBX050T1	£32.74	YBX050B1	£26.17
250	256	250	205	YBX500T1	£43.47	YBX500B1	£40.86
300	312	300	258	YBX000T1	£55.39	YBX000B1	£44.89
350	348	350	235				

350 Box Options	Colour	Code	Price
[1] 350 box 90 fascia	White	YBX350R1	£49.13
	Brown	YBX350R2	£47.51
[2] 350 box 45 lid	White	YBX350B1	£38.64
	Brown	YBX350B2	£37.36
[3] 350 box top	White	YBX350T1	£26.28
	Brown	YBX350T2	£25.42

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 66 for further details.



Guide Terminals & Rollers

	Shutter						
	150	38	3801	60	77	800	900
Small Guide Terminal Colour: White or Brown Code: YBX030A1 £2.63 per pair	✓						
Heavy Duty Guide Terminal Colour: White Code: YBX040A1 £2.63 per pair		✓					
ER30mm Flat Plate Roller Left: BX060L0 Right: BX060R0 £19.91 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
 £78.91 per pair
- 
 Removable guide rail with lockable shoot bolts
 Code: YACCS REMLOCK
 £129.96 per pair
 See page 19 for further details of removable guide rails.
- 
 Nylon guide rail lug for the top of a removable guide rail
 Large: GU007H1
 Small: GU007H3
 £6.88 each
- 
 Nylon guide rail skid for the base of a removable guide rail
 Large: GU007H2
 Small: GU007H4
 £6.88 each
- 
 Chrome 57 mm shoot bolt for bar top recess
 Code: GU09000
 £9.99 each
- 
 Lockable shoot bolt
 White: GU009H0
 Brown: GU009B0
 £51.05 each
- 
 Dust cap/bar top recess
 Code: GU07000
 £12.89 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: £23.86	Shutter Type: ■ Shield 150 ■ Shield 38 ■ Vision 38 Code: YGU250B1 Stock Length: 6500 mm Each: £15.48	Shutter Type: ■ Shield 150 ■ Shield 38 ■ Vision 38 Code: YGU300B1 Stock Length: 6500 mm Each: £26.65	Shutter Type: ■ Shield 150 ■ Shield 38 ■ Shield 3801 Code: YGU400B1 Stock Length: 6500 mm Each: £42.07	Shutter Type: ■ Shield 60 (205 mm box) ■ Vision 900 (205 mm box) Code: YGU404P1 Stock Length: 4600 mm Stock Length: 6000 mm Each: £35.03	Shutter Type: ■ Shield 60 (250/300/350 mm box) ■ Vision 900 (250/300/350 mm box) Code: YGU403P1 Stock Length: 6500 mm Each: £36.44	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: £66.73

Guide rails are also available in a range of RAL and BS colours, see page 66 for details (surcharge applies)

Inserts

	5 mm guide brush Code: YGU030B0 Stock Length: 1000 m Each: £0.78 per m		4 mm PVC brush PEB4 Code: YGU053PO Stock Length: 6.5 m Each: £3.17 per m		7 mm PVC brush PEB7 Code: YGU054PO Stock Length: 6.5 m Each: £4.27 per m		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.
H17, H25, H30, H34 & H40/S		UPH140, UPH240, UPH250 (Shutter type SeceuroShield 77 SeceuroVision 800 require 4 mm inserts on both sides)		UPH250 (Shutter type SeceuroShield 60 SeceuroVision 900 – see illustration right)			

Cover Caps

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

Code: YGU01 --- Each: **£15.47 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: **£1.49**

Bullet Locks

Tapped bullet lock housing for an aluminium guide rail:
Code: GU090L0
Each: **£14.32**

Bullet lock pin:
Code: GU091L0
Each: **£17.04**

(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

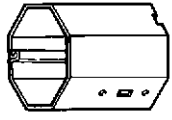
Optional L brackets, which when attached to the guide rails, enable the curtain of a spring loaded shutter to finish at a lower position of your choice, when the shutter is open.

Guide rail stop kit (1 pair of stops)
Code: YBOTTOMSLATKIT
Each: **£24.51**

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

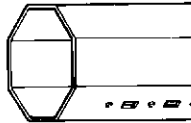
You must indicate the fixing position if you require the L brackets to be supplied attached to the guide rails.

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



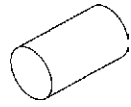
60/0.9 mm octagonal galvanised axle

Code: YAX600R0
Stock Length: 6500 mm
Price per m: **£9.03**



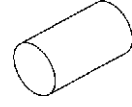
70/1.2 mm octagonal galvanised axle

Code: YAX700R0
Stock Length: 7000 mm
Price per m: **£12.31**



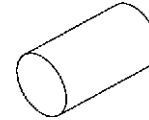
4" axle 16swg zinc coated (101.6 mm x 1.63 mm)

Code: YAX130R0
Stock Length: 6100 mm
Price per m: **£29.34**



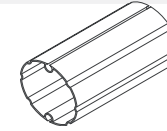
4" axle 10swg (red primed) plain finish (101.6 mm x 3.25 mm)

Code: YAX130R1
Stock Length: 6100 mm
Price per m: **£36.68**



5" axle 10swg plain finish (127mm x 3.25 mm)

Code: YAX131R0
Stock Length: 6100 mm
Price per m: **£41.58**



100 mm steel fluted axle

Code: AX900R0
Stock Length: 7 m & 5.2 m
Price per m: **£26.29**

4" 10swg with round discs dummy end for use with safety brake

Code: SD200B0
Each: **£39.90**

4" 16swg with round discs dummy end for use with safety brake

Code: SD210B1
Each: **£38.85**

5" 10swg with round discs dummy end for use with safety brake

Code: SD220B0
Each: **£44.73**

60 mm adjustable shaft bolt for safety brake

Code: SD230B0
Each: **£14.72**

70 mm adjustable shaft bolt for safety brake

Code: SD240B0
Each: **£29.66**

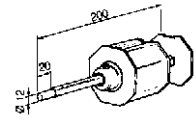
NOTES:

- 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.



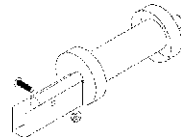
60 mm heavy duty axle cap

Code: AX60EO
Each: **£2.87**
Max weight limit 40kg



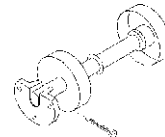
60 mm adjustable PVC shaft bolt

Code: AX600S0
Each: **£11.69**
Max weight limit 50kg Secure with Jubilee clip for extra safety



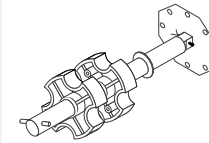
4" 16swg heavy duty plug end & bracket (101.6 mm x 1.63 mm)

Code: MT136M1
Each: **£29.68**



5" dummy end & bracket (127 mm x 3.25 mm)

Code: MT137M1
Each: **£58.95**



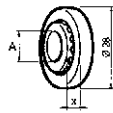
100 mm fluted axle dummy end

Code: AX910A0
Each: **£23.50**



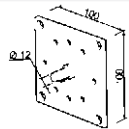
Support bracket 42 mm bearing

Code: AX421B0
Each: **£1.79**
Required to hold 42 mm bearing



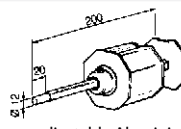
28mm steel bearing

Code: AX280B0
Each: **£2.07**
Used with 60 mm axle cap



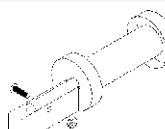
100 mm spigot plate

Code: AX110P0
Each: **£4.66**
Required for 28 mm bearing if there is no spigot on the end plate. Can also be used to mount an Ace gear



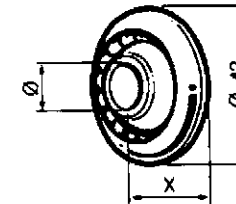
70 mm adjustable Aluminium shaft bolt

Code: AX701S0
Each: **£15.06**
Secure with Jubilee clip for extra safety



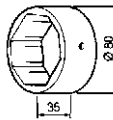
4" 10swg heavy duty plug end & bracket (101.6 mm x 3.25 mm)

Code: MT137M2
Each: **£26.25**



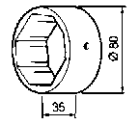
42 mm steel bearing

Code: AX420B0
Each: **£4.16**
Used with 60 mm and 70 mm adjustable shaft bolts



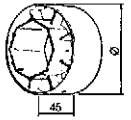
60/80 collar

Code: AX600C0
Each: **£2.69**
3 required per metre on 15 & 38



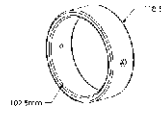
70/80 collar

Code: AX700C0
Each: **£7.98**
3 required per metre on 60



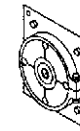
70/100 collar

Code: AX701C0
Each: **£2.69**
3 required per metre on 77, 80 & 900



100/118 collar

Code: AX016E0
Each: **£3.53**



Anti-drop brake RD80 (without limit switch)

Code: SD150B0
Each: **£124.27**
80kg max weight

Please state on your order if you require the dummy end to suit an anti-drop brake and the type of axle it will be installed in. The dummy end will incur an additional charge.

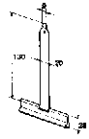
Anti-drop brake RD150 (with limit switch)

Code: SD160B0
Each: **£177.64**
150kg max weight

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

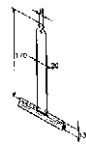
Lock Springs

For use with SeceuroShield 150, SeceuroShield 38, SeceuroVision 38



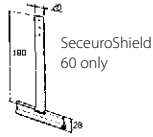
137/165 Locking Spring

Code: AX370L0
Box Type: 137/165
Each: £2.07



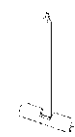
180/205 Locking Spring

Code: AX800L0
Box Type: 180/205
Each: £2.13



6000/5500 Locking Spring

Code: AX500L0
Box Type: 250/300
Each: £4.49

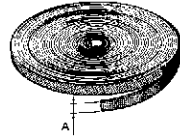


Shield 77 Locking Spring

Code: AX770L0
Box Type: 250/300
Each: £4.49

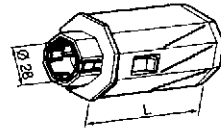
Locking springs are not required for SeceuroVision 800 or 900. Curtains are screwed to the axles using small sections of slat. All spring loaded, rod crank operated and SeceuroShield 3801 shutter curtains are attached directly to the axle using screws. Beware of damaging the motor with over-long screws.

Belt Drive Components



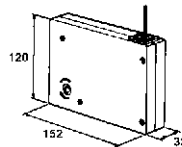
14 mm grey belt

Code: YBD14105
Per metre: £1.46



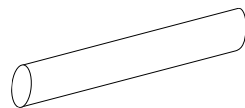
60mm axle cap for drive wheel

Code: AX601E0
Each: £1.85
Requires a 28 mm steel bearing



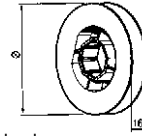
Geared belt winder

Code: BD01000
Each: £31.10
Belt and handle not included, lifting capacity 25kg



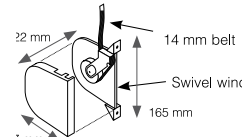
White PVC Tube 3 m

Code: BD05102
Each: £7.17



Drive wheel

Size: Code:
125mm/137 box BD12000
155mm/165 box BD15000
170mm/180 box BD17000
190mm/205 box BD19000
Each: £4.37



Medium white swivel winder

Code: BD04001
Each: £17.55
Belt not included, lifting capacity 15kg

Handle for geared belt winder

Code: BD02009
Each: £15.84
Required for geared belt winder

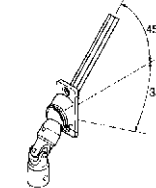
Large belt roller with brush

Code: BX010A1
Each: £2.81

Small belt roller with brush

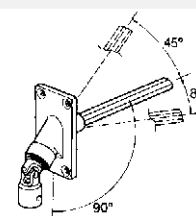
Code: BX020A1
Each: £2.51

Rod Crank Drive Components For Built-On Shutters



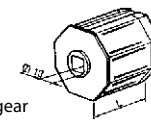
2 hole 45 degree joint only

Recommended exits = E, F
Hexagonal bar length = 480mm
Code: GD02003
Each: £17.82



4 hole 90 degree joint only

Recommended exits = A, B
Hexagonal bar length = 480mm
Code: GD04103
Each: £28.96

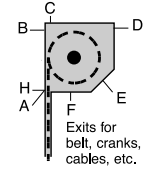


Zamac cap for gear

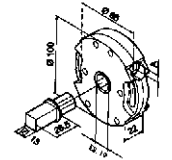
Axle: Code: Each:
60 mm AX600E0 £6.22

White crank handle clip

Code: GD11001
Each: £0.71



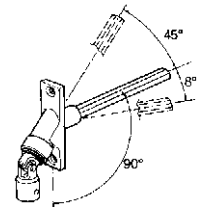
Exits for belt, cranks, cables, etc.



Ace gear with octagonal hole

Gear: Code: Each:
1:8(20kg) GD06001 £33.85
1:11(30kg) GD07001 £33.85

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.



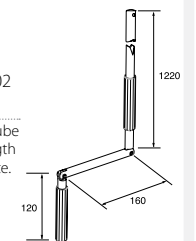
2 hole 90 degree joint only

Recommended exits = A, B, D, H
Hexagonal bar length = 480mm
Code: GD04003
Each: £26.49

White crank handle

Code: GD02002
Each: £21.77

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

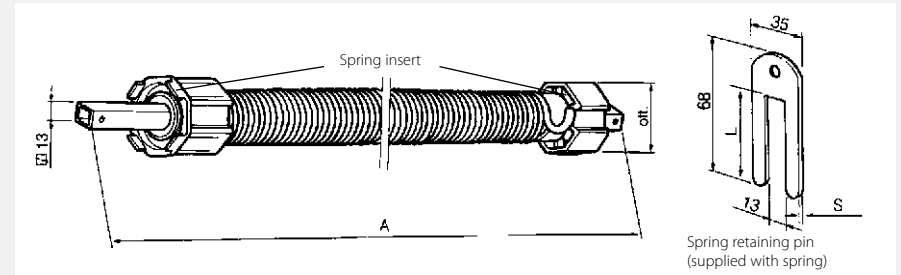


Spring Fittings

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	£50.78
No.1 60 mm spring	860 mm	24kg	22kg		13	SP60100	£58.87
No.2 60 mm spring	940 mm	34kg	32kg		12	SP60200	£64.33
No.3 70 mm spring	1130 mm	50kg	45kg	37.5kg	12	SP70300	£77.88
No.4 70 mm spring	1270 mm		75kg	62.5kg	12	SP70400	£85.40
No.5 100 mm spring	1030 mm			83kg	10	SP80300	£122.04

Description	Code	Price (£)
60 mm Octagonal spring insert A	SP60A00	£4.24
60 mm Octagonal spring insert B	SP60B00	£4.24
70 mm Octagonal spring insert A	SP70A00	£4.24
70 mm Octagonal spring insert B	SP70B00	£4.24

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: £4.24

Bottom Slat Fittings

Spacer Block
 Code: BS173B0
 Cost: £0.36p each

Narrow Lock Protection Plate
 Code: BS020L0
 Cost: £6.28

M5 x 20 Socket Button BZP screw
 Code: BSWI044WS
 Cost: £0.12p

Key Lock
 Code: BS070L0
 Cost: £28.27
 Please note that specific key numbers will incur a longer lead time

AEG-R Reversible Bottom Slat & Quirk
 Code: BS111E0
 Cost: £34.00

Bottom Slat handle
 Code: BS121H1
 Cost: £31.03

Lock Bar
 Code: BS130L1
 Cost: £14.09

Front cover plate
 Code: BS121L0
 Cost: £9.50

End Cap
 Code: BS174B0
 Cost: £0.63p per pair

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

M5 Nut
 Code: W1125WS
 Cost: £0.06p each

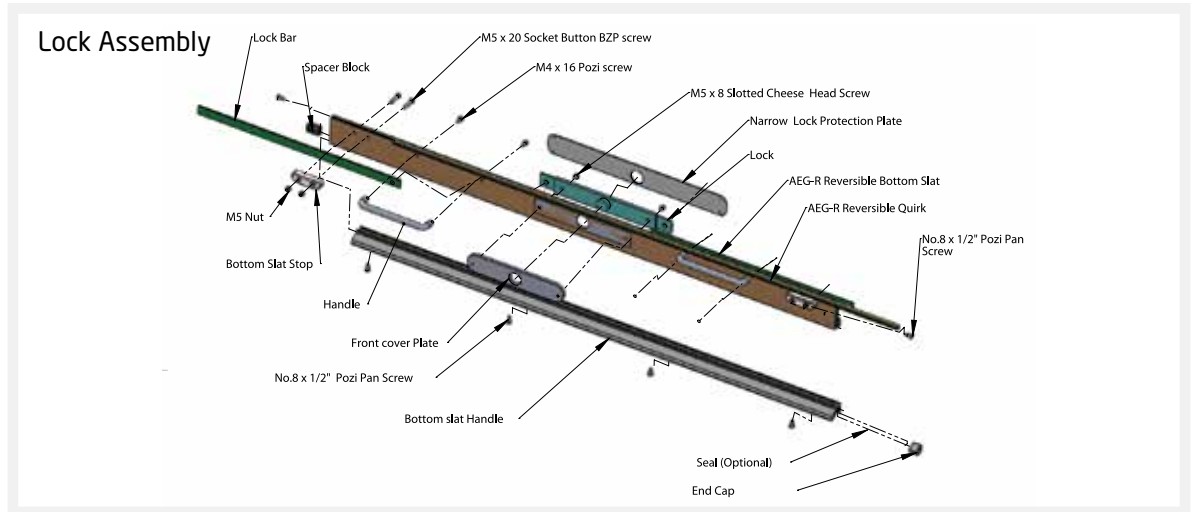
Handle External Use (stainless steel)
 Code: BS010H3
 Cost: £14.69

Handle Internal Use
 Code: BS010H2
 Cost: £6.76

Bottom Slat Stop
 Code: BS171B0
 Cost: £0.85p each

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

Seal
 Code: BS11110
 Cost: £2.03p/m



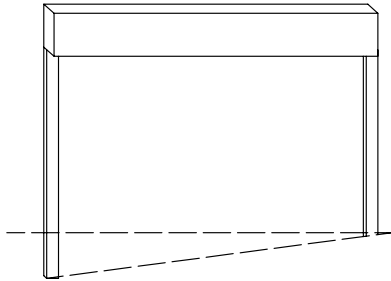
Customer		Order date		Delivery address		Purchase order no.	
Order placed by (block capitals)		Delivery w/c			POSTCODE	Customer/job ref.	

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.

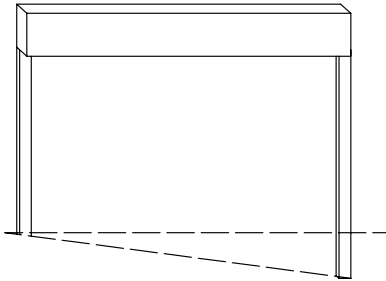
Please note: This order form is accompanied by information in the right hand column detailing important surveying and ordering advice. Please tick this box to confirm that you have read this information.

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:



Right to left under coil



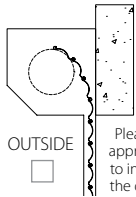
Left to right under coil

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

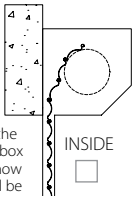
7. WILL THIS DOOR BE CONTROLLED BY A REMOTE CONTROL?
 YES NO (tick as appropriate)

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.

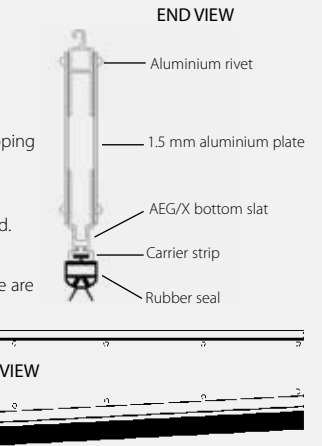
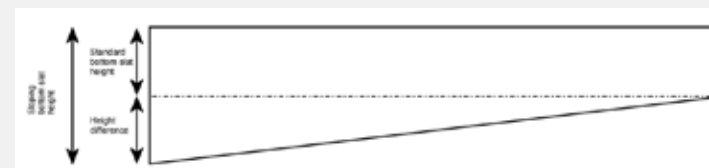
8. MAXIMUM HEIGHT DIFFERENCE (H)

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

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

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

ARRANGEMENT 2

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

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

INSIDE / OUTSIDE*

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.

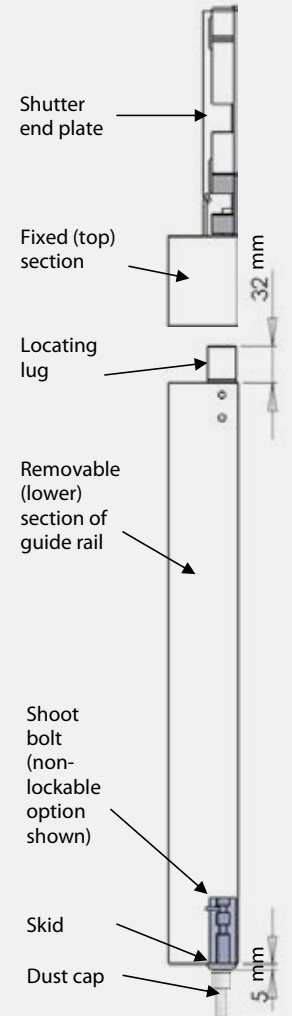
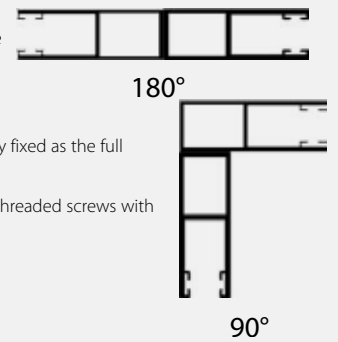
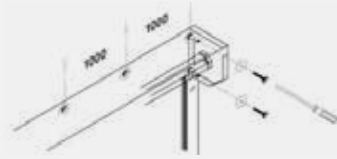
The fixed (top) section of guide rail will be supplied loose with the fixings required to attach it to the end plate. When attaching this section of guide rail ensure that the chamfered end of the guide rail is at the bottom.

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 <input type="checkbox"/> 	SINGLE LEFT GATE <input type="checkbox"/> 	SINGLE RIGHT GATE <input type="checkbox"/>
<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"/> Reveal Fix <input type="checkbox"/> Face Fix Left Reveal Fix Right <input type="checkbox"/> Reveal Fix Left Face Fix Right	<input type="checkbox"/> Face Fix <input type="checkbox"/> Reveal Fix <input type="checkbox"/> Face Fix Left Reveal Fix Right <input type="checkbox"/> Reveal Fix Left Face Fix Right

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 2, "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 2 – "DOOR OR WINDOW")
- Ensure appropriate control method selected – see page 63.
- 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.

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 (w) x 1400 mm (h) = £393.00 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 **£16.30** 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:

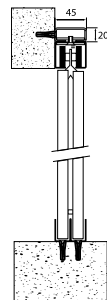
- We recommend that wherever possible retractable gates are fitted internally to enhance security and ease of operation.
- Where an external installation is desirable, the insurance approved SeceuroGuard 1001 is the most suitable option. We recommend that all externally fitted gates should be ordered 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, middles 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 fixing 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)
= £489 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 33).
- 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

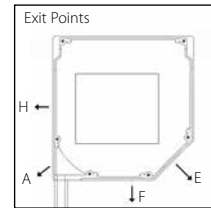
SeceuroDrive motors are a new generation of motors designed for the professional installer. These motors incorporate several design features, which make installation a quick and trouble free operation.

All SeceuroDrive motors feature:

- Twist limits
- Clip-on drive adapters
- Multiple mounting positions of motor head
- Wide crown wheel for improved tube fit
- Supply cable via removable connector



MANUAL OVERRIDE SHUTTERS



Not all exit options will be possible on certain shutters.

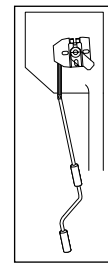
If a manual override is required for use in the event of power failure this must be specified at the time of ordering. There is a choice of technical solutions for the handle mechanism which operates the override, principally dependent upon whether the shutter is installed internally or externally and 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'.



45° crank



lockable coverplate option.



EXTERNALLY FITTED SHUTTER WITH INTERNAL OVERRIDE

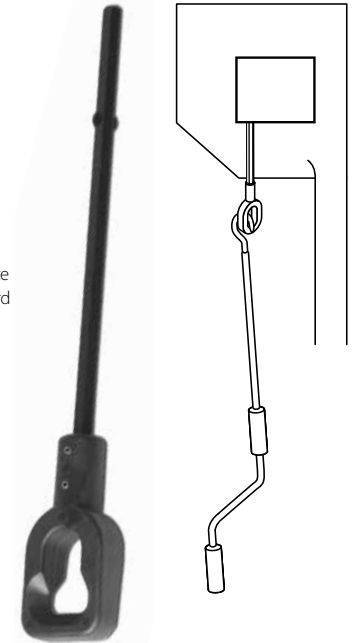
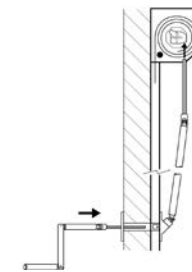
A permanently installed internal 90° handle, exit A or H can often be specified subject to final survey and dependent on the construction of the building specification.

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'.

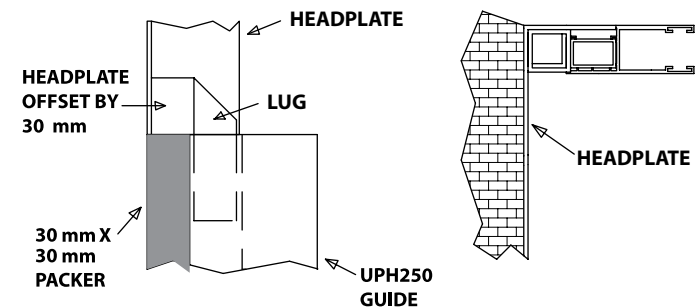
INTERNALLY FITTED SHUTTER WITH EXTERNAL OVERRIDE

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 shutters when; **SeceuroDrive**: curtain weight exceeds 149 kg on a 4" axle and when a 5" axle is needed, **Somfy**: 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.



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)

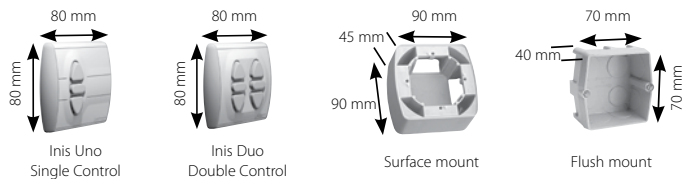
EXAMPLES:

- 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

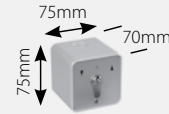
The Inis Uno and Inis Duo are for controlling either one or two shutters respectively. As standard all switches will be supplied with a back box for surface mounting but an alternative flush mounting back box can be requested.



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.



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.



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.

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.



Detailed product information plus informative videos and graphics.

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 eshots 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. 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 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



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: PC501AO PRICE: **£5.45**

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.

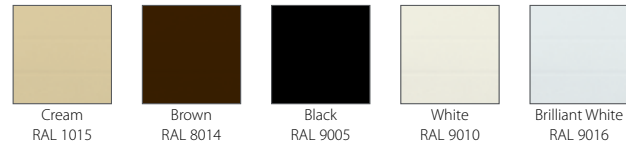
There is a minimum powder coating charge of **£70.35** net.

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 – £37.80 PER m² For complete shutter (or curtain) using a colour listed in the band below.



BAND B – £48.30 m²



BAND C – £58.80 m²



PRICES FOR BOXES AND GUIDES FOR EACH BAND:

	STD	A	B	C	D
Minimum powder coating charge		£70.98			
205 mm or smaller box and end plates (used if curtain does not require powder coating)	FOC	£24.56	£31.49	£36.59	POA
Guide rails and bottom slat to go with above	FOC	£6.39	£8.21	£10.02	POA
250 mm or smaller box and end plates (used if curtain does not require powder coating)	FOC	£34.21	£43.87	£53.52	POA
Guide rails and bottom slat to go with above	FOC	£7.01	£8.99	£10.97	POA
300 mm or smaller box and end plates (used if curtain does not require powder coating)	FOC	£39.48	£50.62	£61.74	POA
Guide rails and bottom slat to go with above	FOC	£7.90	£10.12	£12.34	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 **6.8m** 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 2 distribution depots

South (Heathrow)

Units 2, 3 & 4, Lakeside Industrial Estate
Lakeside Road
Colnbrook SL3 0ED

Midlands (Willenhall)

Neightfreight (GB) Ltd,
Unit 1 Bays 1, 2, 3
East Acre, Off Long Acre
Willenhall WV13 2JZ

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 customer services department and we will endeavour to help you.

CUSTOMER SERVICES TEAM

01524 772401
01524 772422
01524 772404

TECHNICAL TEAM

01524 772426
01524 772402
01524 772423

OTHER USEFUL CONTACTS AND NUMBERS

Marketing Department 01524 772413
Remedials Department 01524 772416
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.

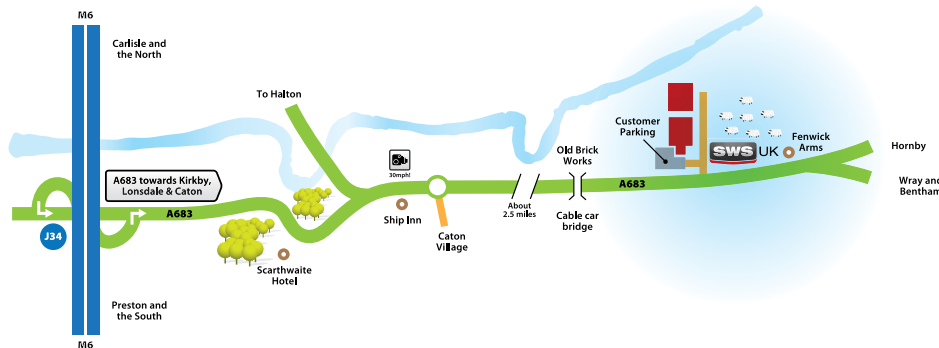


SWS UK

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)

56 Windsor Avenue, Merton, London SW19 2RR

t: 020 8540 1717 f: 01524 772 411

e: info@swsuk.co.uk w: www.sws.co.uk

