



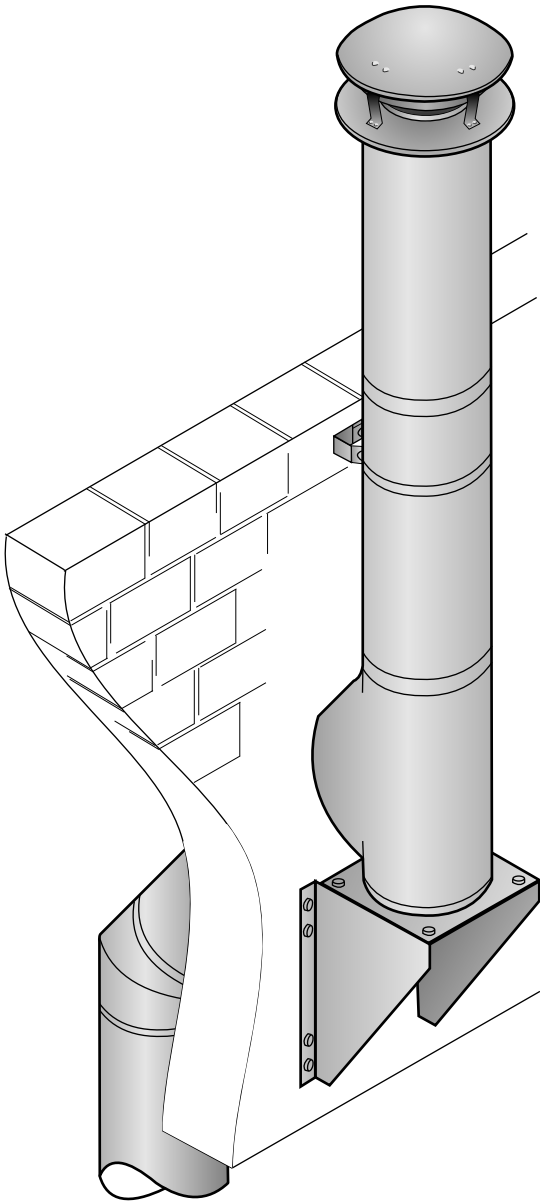
Diameter Range
127mm - 203mm
(5" - 8")

UK PRODUCT CATALOGUE

Twin Wall, Insulated,

Stainless Steel, Multi-Fuel

Chimney Systems - 127mm to 203mm



SELKIRK
there is only one!

TWIN-WALL Chimney 127mm to 203mm

INTRODUCTION

The Selkirk Twin Wall chimney system is designed for use with oil, gas and solid fuel when used with the appropriate fire stopping components. The system is designed for gravity flow application.

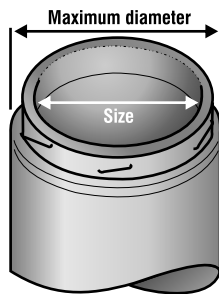
The Selkirk Twin Wall chimney system is available in a range of diameters and this brochure relates to the 127mm (5") – 203mm (8") range

The system consists of straight lengths and fittings which are constructed entirely from stainless steel and a 25mm (1") insulated annulus. The external skin is weatherproof and carries the structural load, and the inner liner is resistant to the often corrosive products of combustion, and is free to expand or contract as flue gas temperatures change. The 316 grade inner liner heats rapidly to produce a strong draught which ensures that waste gases are exhausted and condensation of the harmful products of combustion is minimized.

The system can be used internally or externally. The relatively low external wall temperature permits installation with only a 50mm (2") air gap clearance to combustible materials.

KEY DIMENSIONS

Size (internal diameter)	Maximum outside diameter
127mm (5 in.)	175mm (7 in.)
152mm (6 in.)	200mm (8 in.)
178mm (7 in.)	230mm (9 in.)
203mm (8 in.)	255mm (10 in.)



COMPOSITION

Lengths and fittings are twin-walled with a 25mm (1") cavity. The outer casing is joined to both male and female couplers, while the inner liner is connected only to the male coupler, so gas temperature varies without affecting the structural performance.

Selkirk Twin Wall chimney is insulated with rockwool and this high quality insulation has an optimum and carefully controlled density which maintains a relatively high flue gas temperature throughout the chimney lengths.

Lengths and fittings are twist-locked together with a one eighth turn. Locking bands fit over the two rolled seams at joints between lengths and fittings and MUST be used.

APPLICATIONS

Typical equipment includes boilers, stoves and heaters. The Selkirk chimney system must be installed in accordance with all appropriate building regulations, codes of practice and manufacturers installation instructions.

Selkirk Twin Wall chimney in diameters 127mm (5") – 203mm (8") are manufactured to comply with BS4543 parts 2 and 3.

INSTALLATION

Installation instructions can be found at www.selkirkchimney.co.uk and are provided with all support components. These should be consulted to accurately determine the components that are required to enable any installation to be correctly assembled.

Joining

Lengths and fittings are designed to be installed with the male coupling uppermost. Joints are achieved by placing the female coupling over the male coupling and making a one-eighth turn. A Locking Band must be used to secure every joint and to ensure a firm connection.

Connecting to the appliance

The Adaptor is designed to make the connection to the appliance flue gas outlet or to a section of flue pipe to building regulation requirements.

Supports

The weight of the chimney may be carried by a number of different support components depending on whether the chimney is installed internally or externally, and whether it is supported by the roof, ceiling, floor or external wall. These components include the Wall Support, Ceiling Support, Roof Support and Telescopic Floor Support. Lateral stability is provided by Wall Bands, Bracing Brackets or Guy Wire Brackets.

Supporting free-standing chimneys

Where the chimney exceeds 1.5 meters (4.9 ft.) beyond the last support it must be braced with a roof brace kit. Guy wires should only be used where this is not possible. In either case, the bracket should be fitted above a locking band and as close to the joint as possible. Where the chimney is supported by a mast consult Selkirk.

Roof support

The Roof Support is designed to support the chimney on the roof joists and is provided with adjustable gimbal plates. Bracing Brackets should be used in the roof space to restrain movement of the chimney due to wind forces on the chimney above the roof.

Load Bearing

The weight of chimney supplied depends on the support components used. The table below provides details.

LOAD BEARING DATA

The weight of the chimney can be borne in a number of ways and this table states the minimum length of chimney that can be supported by various components.

	127	Chimney size (mm)		203
		152	178	
Ceiling Support	6m*	6m*	6m*	6m*
Wall Support				
Side Plates Up	15m	15m	15m	15m
Side Plates Down	9m	9m	9m	9m
Telescopic Floor Support	16.7m	16.7m	16.7m	16.7m
Roof Support	9m*	9m*	9m*	9m*

*part of the flue up to a maximum of 6m may be suspended beneath the roof support.

NB: Wall Bands are not load-bearing and must be used at intervals not exceeding 2.5 to provide lateral stability.

Weight

The weight of each diameter per meter run installed is shown in the table below.

	127	Chimney size (mm)		203
		152	178	
TWIN-WALL CHIMNEY	6.7kg	8.2kg	9.7kg	11.2kg



INSTALLATION Continued

Clearance

The relatively low external casing temperature experienced in the normal operation permits installation with only 50mm air gap clearance to combustible materials.

Where the Twin-Wall Chimney passes through a combustible floor the appropriate firestopping components must be used. Details are shown on pages 6 & 7.

Lengths of Chimney

Standard lengths of 1000mm, 500mm, 300mm and 120mm as well as an Adjustable Length are available, and the individual tables provide details.

Elbows

Building regulations stipulate that no part of a chimney used with a solid fuel, wood or oil burning appliance should form any angle of more than 30° from the vertical except where necessary to connect to the appliance. 15°, 30° and 45° elbows are available but the use of 45° elbows with solid fuel, wood or oil should be avoided.

Floor and Ceiling Penetration

Where the chimney penetrates a combustible floor or ceiling a 50mm air gap clearance must be maintained from the outer skin of the chimney to any combustible materials.

Components are available which cater for such requirements. Where the system is used with solid fuel, Ventilated Firestops, Ceiling Supports and Joist Shields MUST be used.

Roof Penetrations

Where the chimney penetrates the roof an appropriate flashing should be used. The Seldek range of flashings is specifically designed for this purpose. To fit, trim the E.P.D.M cone to suit the external pipe size using sharp tin snips or scissors, slide down pipe using water as a lubricant. Dress the aluminum or lead base over the profile of the tiles. Providing the cone has been cut to the appropriate size, the use of a storm collar or sealant is not required. If the chimney has a raised seam on the outer skin a small amount of silicone sealant should be applied where the chimney penetrates the E.P.D.M cone of the flashing.

Terminations

Three types of terminations are available. All have female couplers and are fixed to the top chimney length and secured with a locking band. The rain cap is a domed stainless steel cap. The round top allows rapid exhaust of combustion products and its integral band deflects the wind. The top stub provides a neat finish to the top of the chimney when a rain cap is not required.

LENGTHS and TEES

STAINLESS STEEL LENGTHS

Available in 4 sizes. They are easy to assemble and can be combined to obtain the required installation height. Each length is 38 mm longer than its effective length.

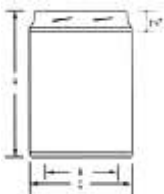


Size	Part #	Amm	Bmm	Cmm
127mm	5STC-L36	914	127	178
127mm	5STC-L24	610	127	178
127mm	5STC-L18	457	127	178
127mm	5STC-L12	305	127	178
127mm	5STC-L6	152	127	178

Size	Part #	Amm	Bmm	Cmm
152mm	6STC-L48	1219	152	203
152mm	6STC-L36	914	152	203
152mm	6STC-L24	610	152	203
152mm	6STC-L18	457	152	203
152mm	6STC-L12	305	152	203
152mm	6STC-L6	152	152	203

Size	Part #	Amm	Bmm	Cmm
178mm	7STC-L48	1219	178	229
178mm	7STC-L36	914	178	229
178mm	7STC-L24	610	178	229
178mm	7STC-L18	457	178	229
178mm	7STC-L12	305	178	229
178mm	7STC-L6	152	178	229

Size	Part #	Amm	Bmm	Cmm
203mm	8STC-L48	1219	203	254
203mm	8STC-L36	914	203	254
203mm	8STC-L24	610	203	254
203mm	8STC-L18	457	203	254
203mm	8STC-L12	305	203	254
203mm	8STC-L6	152	203	254



ADJUSTABLE CHIMNEY LENGTH

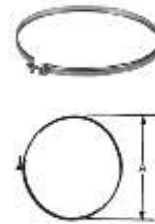
Used in conjunction with Lengths to fit Selkirk Twin-Wall Chimney perfectly. It allows for easy disassembly. The Adjustable Length is not a load bearing component. As a vertical expansion compensator, it requires a support every 18m.



Size	Part #
127mm	5STC-AL
152mm	6STC-AL
178mm	7STC-AL
203mm	8STC-AL

STAINLESS STEEL LOCKING BANDS

A versatile, simple device for increasing stability of a chimney. Inward flanges around the band fit into grooves at chimney length joints. Reinforces joints of chimney and prevents accidental uncoupling. Locking Band is included with all insulated lengths, tees and elbows.



Size	Part #	Amm
127mm	5STC-LB	178mm
152mm	6STC-LB	203mm
178mm	7STC-LB	229mm
203mm	8STC-LB	254mm

TEES

135° INSULATED TEE & PLUG



Size	Part #
127mm	5STC-E135
152mm	6STC-E135
178mm	7STC-E135
203mm	8STC-135

90° INSULATED TEE & PLUG



The Insulated Tee allows the horizontal connection of the chimney to the appliance. It can be used on the interior or exterior of the building, in combination with a Wall Support Assembly. The Tee Cap provided allows access for inspection and cleaning.



Size	Part #	Amm	Bmm	Cmm
127mm	5STC-E90	159	159	318
152mm	6STC-E90	162	162	324
178mm	7STC-E90	175	175	349
203mm	8STC-E90	187	187	375

INSULATED TEE PLUG

The Insulated Tee Plug allows access for inspection & cleaning.



Size	Part #	Size	Part #
127mm	5STC-ITP	178mm	7STC-ITP
152mm	6STC-ITP	203mm	8STC-ITP

DRAIN TEE CAP

The Drain Tee Cap allows access for draining & cleaning.



Size	Part #	Size	Part #
127mm	5STC-DTC	178mm	7STC-DTC
152mm	6STC-DTC	203mm	8STC-DTC

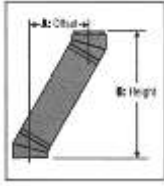
TWIN-WALL Chimney 127mm to 203mm

ELBOWS

STAINLESS STEEL ELBOW



The use of Locking Bands allow 360° rotation and lock the components together at the exact offset required. Elbows can be used on the same 51mm air space clearance as chimney sections.



	15° Elbow		30° Elbow		45° Elbow	
Size	Part #	Part #	Part #	Part #	Part #	Part #
127mm	5STC-EL15	5STC-EL30	5STC-EL45			
152mm	6STC-EL15	6STC-EL30	6STC-EL45			
178mm	7STC-EL15	7STC-EL30	7STC-EL45			
203mm	8STC-EL15	8STC-EL30	8STC-EL45			

15° OFFSET CHART

Chimney Length	127mm dia.		152mm dia.		178mm dia.		203mm dia.	
	Amm	Bmm	Amm	Bmm	Amm	Bmm	Amm	Bmm
None	16	191	16	191	16	203	79	206
152mm	44	340	41	318	48	346	51	362
304mm	70	454	73	460	76	470	76	476
457mm	105	606	111	610	105	619	102	625
635mm	N/A	N/A	137	756	127	775	133	772
914mm	213	1057	206	1048	191	1067	203	1067
1212mm	N/A	N/A	273	1353	254	1359	257	1381

30° OFFSET CHART

Chimney Length	127mm dia.		152mm dia.		178mm dia.		203mm dia.	
	Amm	Bmm	Amm	Bmm	Amm	Bmm	Amm	Bmm
None	92	349	76	337	105	387	108	410
152mm	156	479	133	448	181	511	181	552
304mm	216	578	206	581	244	616	241	645
457mm	295	711	283	708	318	746	318	778
635mm	N/A	N/A	349	845	400	886	394	911
914mm	530	1118	514	1111	549	1149	556	1168
1212mm	N/A	N/A	660	1372	699	1407	724	1438

45° OFFSET CHART

Chimney Length	127mm dia.		152mm dia.		178mm dia.		203mm dia.	
	Amm	Bmm	Amm	Bmm	Amm	Bmm	Amm	Bmm
None	N/A	N/A	111	305	140	356	146	384
152mm	N/A	N/A	197	397	248	457	241	489
304mm	N/A	N/A	302	502	330	552	330	572
457mm	N/A	N/A	406	606	438	645	432	686
635mm	N/A	N/A	521	705	552	759	549	787
914mm	N/A	N/A	724	937	778	968	752	1013
1212mm	N/A	N/A	1054	1159	972	1181	978	1241

SUPPORTS

ROOF SUPPORT PACKAGE (Universal)



An ideal support assembly for open cathedral ceiling installations. It adapts to all roof pitches and requires only simple framing. The package consists of 2 Chimney Plates, 2 Roof Brackets and hardware.

Maximum length of chimney which can be suspended below the roof support is 6.08 metres. Maximum total length (both above and below is 9.12 metres). Chimney Length is not supplied.

Size	Part #
ALL	STC-RS

SUPPORTS continued

CEILING SUPPORT (GALVANIZED)

T250 Rating:

SMW-CS: Ceiling Support. Used when venting oil or gas fired appliances with flue gas temperatures below 250° C. Can also be utilized where the chimney passes through a non-combustible floor.



Size	Part #
127mm	5STC-CS
152mm	6STC-CS
178mm	7STC-CS
203mm	8STC-CS

VENTILATED CEILING SUPPORT

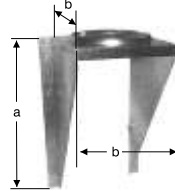
T450 Rating:

SMW-VCS: Ventilated Ceiling Support. Used when venting solid or multi-fuel fired appliances with flue gas temperatures below 450° C.



Size	Part #
127mm	5STC-VCS
152mm	6STC-VCS
178mm	7STC-VCS
203mm	8STC-VCS

ADJUSTABLE WALL SUPPORT



The New Adjustable Wall Support will allow for an adjustment of 51mm to 152mm from a vertical wall. For outside chimney installations for use with an insulated tee. Consists of two wall brackets, plate and hardware.

For support heights refer to chart below.

Size	Part #	A mm	Bmm	Cmm
127mm	5STC-AWS	479	270	235
152mm	6STC-AWS	479	270	235
178mm	7STC-AWS	521	295	260
203mm	8STC-AWS	556	321	286

WALL SUPPORT CHIMNEY HEIGHT CHART

Distance from Wall to Chimney	127mm dia. Max. Height m	152mm dia. Max. Height m	178mm dia. Max. height m	203mm dia. Max. height m
51mm	22.50	19.15	17.02	14.90
64mm	22.19	18.85	16.72	14.59
76mm	21.58	18.24	16.11	14.29
89mm	19.15	17.94	15.50	13.98
102mm	20.06	17.02	14.90	13.38
114mm	18.85	16.11	13.98	12.77
127mm	17.63	15.20	13.07	11.86
140mm	15.81	13.68	11.55	10.64
152mm	13.68	11.86	10.34	9.12

ANCHOR PLATE



The Anchor Plate can be used for adapting the Selkirk Twin-Wall Chimney System to a "Listed" Factory-Built fireplace. Follow the installation instructions accompanying the fireplace. Stainless steel and heavy gauge steel construction for long life. Retains chimney with a twist-lock connection.

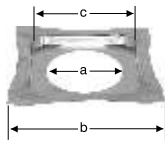


Size	Part #	A mm	Bmm
152mm	6STC-AP	152	235
178mm	7STC-AP	178	260
203mm	8STC-AP	203	286

TWIN-WALL Chimney 127mm to 203mm

FIRESTOP SHIELDS

FIRESTOP SPACER (Flat)



The Firestop Spacer provides additional protection when the chimney passes through combustible materials. It can also be used to finish areas where the chimney passes through non-combustible materials.

Size	Part #	A mm	Bmm	Cmm
127mm	5STC-FS	191	343	279
152mm	6STC-FS	206	356	305
178mm	7STC-FS	232	381	330
203mm	8STC-FS	257	406	356

VENTILATED FIRESTOP JOIST SHIELD



Must be installed where the chimney passes from one living space to another living space.

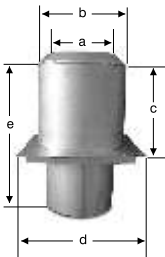
Size	Part #
127mm	5STC-FJS
152mm	6STC-FJS
178mm	7STC-FJS
203mm	8STC-FJS

VENTILATED FIRESTOP



Size	Part #
127mm	5STC-VF
152mm	6STC-VF
178mm	7STC-VF
203mm	8STC-VF

ATTIC INSULATION SHIELD



The Attic Insulation Shield is used wherever the chimney enters an open attic. A Joist Shield is included for use when the chimney is enclosed below the ceiling. Refer to installation instructions for full details.

The Attic Insulation Shield acts as an insulation shield to keep blown in or blanket insulation from filling in any framed opening or contacting the chimney.

Size	Part #
127mm	5STC-AIS
152mm	6STC-AIS
178mm	7STC-AIS
203mm	8STC-AIS

INSULATED WALL THIMBLE



The Insulated Wall Thimble installs quickly and eliminates the need for using individual firestops. The round shielding acts as a radiation shield and provides the required 51mm (air space) clearance to combustibles. The two sections telescope to accommodate 153mm to 279mm wall thickness. Interior plate is painted black.

Size	Part #	Framing Dimensions
127mm	5STC-IWT	280mm x 280mm
152mm	6STC-IWT	305mm x 305mm
178mm	7STC-IWT	330mm x 330mm
203mm	8STC-IWT	356mm x 356mm

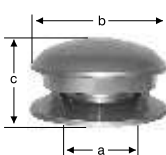
RAIN CAPS

RAIN CAP



Size	Part #
127mm	5STC-RC
152mm	6STC-RC
178mm	7STC-RC
203mm	8STC-RC

ROUND TOP

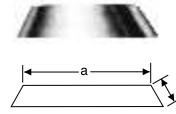


The Round Top is designed with a dome to exclude rain and leaves and a lower skirt to reflect wind, secured with a locking band.

Size	Part #	Amm	Bmm	Cmm
127mm	5STC-RT	127	254	127
152mm	6STC-RT	152	305	140
178mm	7STC-RT	178	356	159
203mm	8STC-RT	203	406	178

FLASHINGS

STORM COLLAR

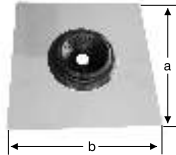


The Storm Collar is designed to fit on the round chimney pipe just above the roof flashing. The upper edge of the Storm Collar should be water proofed with non-hardening silicone caulking to prevent any water from leaking between the Storm Collar and chimney pipe.

NOTE: Storm Collar is not required with Seldek flashings.

Size	Part #	Amm	Bmm
127mm	5STC-SC	127	140
152mm	6STC-SC	152	140
178mm	7STC-SC	178	140
203mm	8STC-SC	203	140

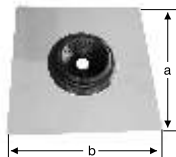
SELDEK No 1 (50mm - 170mm)**



Part #	Amm	Bmm
SDA 101	500	500

NOTE: For external pipe diameters from 50mm to 170mm

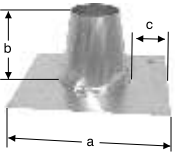
SELDEK No 2 (110mm - 200mm)**



Part #	Amm	Bmm
SDA 102	600	600

NOTE: For external pipe diameters from 110mm to 200mm

TALL CONE FLASHING

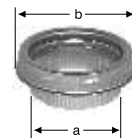


Flashings are used to seal the opening where the chimney penetrates the roof and to divert rain and snow down from the roof and away from the chimney system.

Size	Part #	Amm	Bmm	Cmm
127mm	5STC-TCF	610	305	140
152mm	6STC-TCF	508	305	102
178mm	7STC-TCF	508	305	102
203mm	8STC-TCF	559	305	102

MISCELLANEOUS ACCESSORIES

ADAPTOR



Used as a vertical or horizontal connection between chimney lengths and connector pipe.

Size	Part #	Amm	Bmm
127mm	5STC-A	127	178
152mm	6STC-A	152	203
178mm	7STC-A	178	229
203mm	8STC-A	203	254

WALL BAND



The Wall Band is used along the wall to provide for 51mm clearance and assure stability. Required at 2.4 metre or closer intervals above the tee to stabilize the chimney. Stainless steel construction.

Size	Part #
127mm	5STC-WB
152mm	6STC-WB
178mm	7STC-WB
203mm	8STC-WB

ROOF BRACE KIT



A Roof Brace Kit can be used whenever there is a need to stabilize the chimney above the roof level. The roof brace kit must be used if the chimney extends 1.5 + metres above the roof.

Size	Part #	Dia. Pipe mm
All	STC-RBK	127 to 356

ROOF BRACE KIT REQUIREMENTS	
up to 1.2 metres	None
1.5 metres to 3 metres	1
over 3 metres	1 every 1.5 metres

