



SELKIRK

Insta-Lock Gas Vent



Diameter range: 102mm - 152mm (4" - 6")

- Twin Wall
- Zalutite / Aluminium
- Gas Vent System

 **SELKIRK**[®]
there is only one!

UK PRODUCT CATALOGUE

INTRODUCTION

Selkirk Insta-Lock is a factory made twin wall gas vent system comprising a range of straight lengths, associated fittings and accessories. It is manufactured with an aluminium liner and an outer casing of Zalutite.

The air gap between the outer casing and inner liner insulates the vent and ensures a strong draft at the start of firing in order to minimize condensation. The resulting low external temperature under normal operating conditions permits installation with only 25mm (1 in.) clearance to combustible materials.

Lengths and fittings lock together to provide a rigid flue system and to ensure maximum ease of site assembly. The unique lock tab feature further secures each joint.

The Selkirk Insta-Lock Gas Vent system is available in 3 diameters 102mm (4"), 127mm (5") and 152mm (6") and is suitable for gas appliances in domestic or small commercial installations with draught-hoods or with a flue gas temperature not exceeding 260°C, and where the appliance is fitted with a draught-hood or diverter. Consideration should be made to the sulphur content of the fuel oil which can have a harmful effect on aluminium if excessive condensation conditions are allowed to persist in the flue.

Authority

The Selkirk Insta-Lock Gas Vent system must be installed in accordance with the requirements of BS5440 part 1 code of practice for flues and air supply for gas appliances of rated input not exceeding 60KW, the requirements of approved document J of D.O.E building regulations and Section F of the building standards (Scotland) Regulations.

The Insta-Lock system is manufactured and tested to comply with BS715 1993 and complies with EN1856 Part 1 when tested in accordance with BSEN 1859.

Product designation T250N2DVmL1100300(25) Certificate No. 0086-CPD-503081

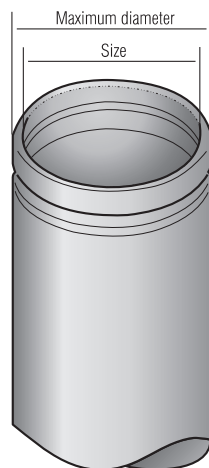
KEY DIMENSIONS

Size (internal diameter)

102mm (4")
127mm (5")
152mm (6")

Maximum outside diameter

114mm (4 1/2")
140mm (5 1/2")
165mm (6 1/2")



DESCRIPTION

Structure & Manufacturer

All lengths and fittings are manufactured with the inner liner fabricated from aluminium. The outer casing is zalutite. Vertical seams are rolled and securely locked. The inner and outer casings are joined at one end only and a 6mm (1/4") air gap is incorporated: the inner liner is therefore free to expand as the temperature changes in the flue. The various components are joined by a simple swaged locking joint and a lock tab if desired.

Selkirk Insta-Lock Gas Vent LOCKTAB feature

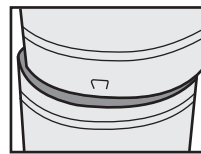
Our LOCKTAB feature was developed in response to customer feedback concerning the use of sheet metal screws to secure GAS VENT sections. In many areas, the use of sheet metal screws is either a commonly

accepted practice or a local requirement. The use of 1/4" sheet metal screws is expensive and time-consuming for installers. The use of our LOCKTAB feature gives installers the option of engaging this tab instead of using sheet metal screws.

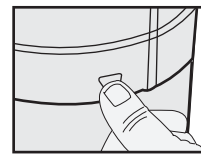
Selkirk Insta-Lock is a factory made twin wall gas vent system comprising a range of straight lengths, associated fittings and accessories. It is manufactured with an aluminium liner and an outer casing of Zalutite.

The air gap between the outer casing and inner liner insulates the vent and ensures a strong draft at the start of firing in order to minimize condensation. The resulting low external temperature under normal operating conditions permits installation with only 25mm (1 in.) clearance to combustible materials.

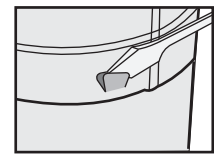
Lengths and fittings lock together to provide a rigid flue system and to ensure maximum ease of site assembly. The unique lock tab feature further secures each joint.



1. Assemble Selkirk Insta-Lock sections as usual.



2. The LOCKTAB is then depressed with a thumb or blunt object such as a screwdriver into the lock channel of the male end of the pipe.



3. To disengage the LOCKTAB, pry it up by using a screwdriver or knife blade.

INSTALLATION

Installation instructions are packaged with each Chimney support and are also available on-line @ www.selkirkchimney.co.uk

Joining

All lengths and fittings are designed to be installed with the male coupling uppermost. The female coupling of the next component is pushed and twisted into place to provide a firm and secure connection by a simple locking device and a lock tab for added security.

Supports

Wall bands are available and for wall fixed installations should be used at 3m (10ft.) centres. The wall bands give a nominal 50mm (2") clearance to the wall and provide lateral support.

A Support Plate is available which provides support for the vent at floor penetrations. The support plate is fixed on top of the floor joists and the flanged collar is clamped around the flue. The flange rests on the plate. A firestop plate is used on the underside of the ceiling penetration. Both components provide a 25mm air gap clearance from combustibles.

Where the gas vent extends more than 1m above the last support (not including the terminal) it must be braced.

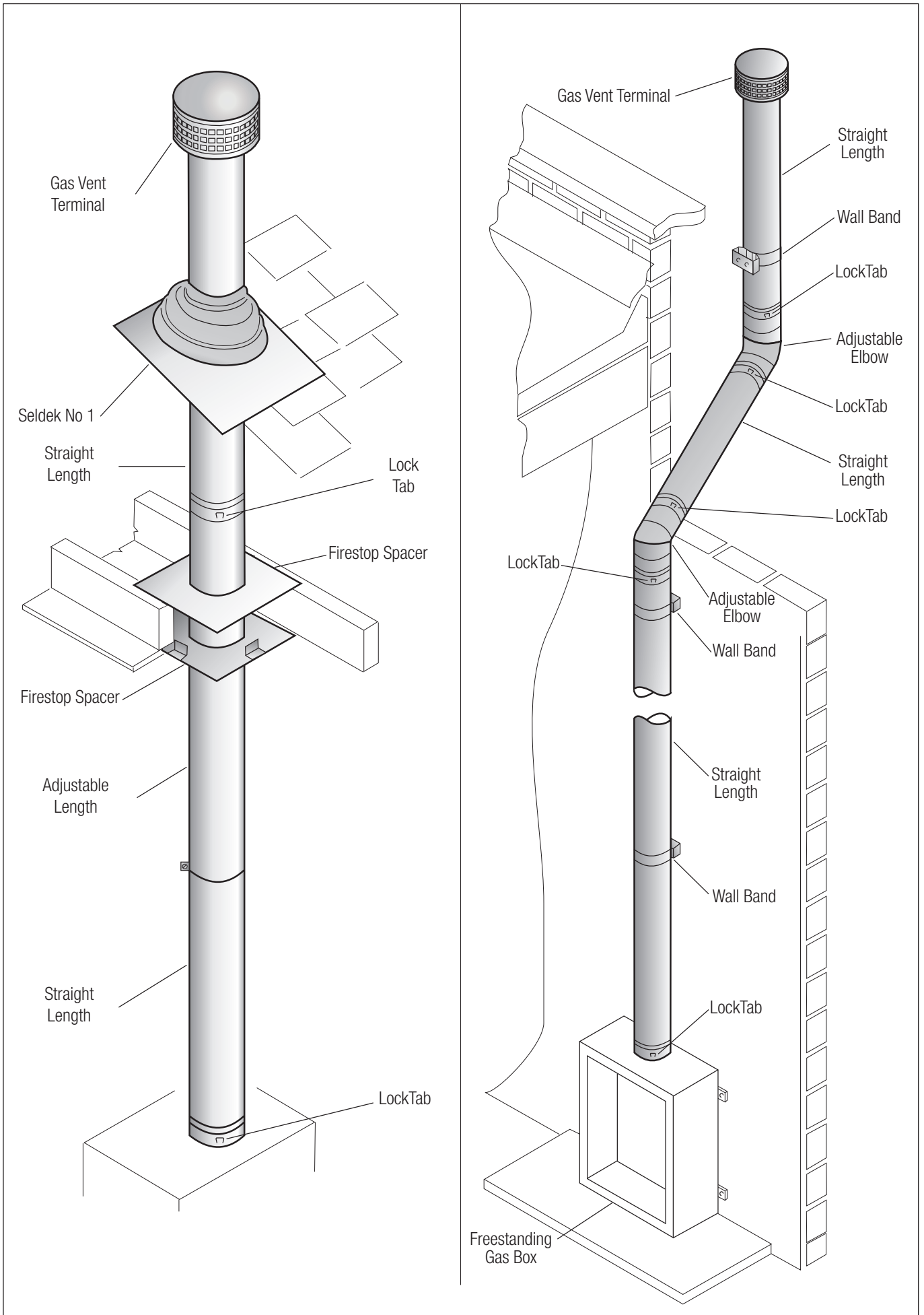
Lengths of Vent

Lengths are available from 152mm (6") to 1523mm (60") and should be used in combination to make up the required height. Gas vent lengths should not be cut. Adjustable lengths are available to accommodate odd distances between vent lengths or connectors. To accommodate the required length these telescope over any standard length. The installed length of each unit is 38mm (1-1/2") less than the overall length.

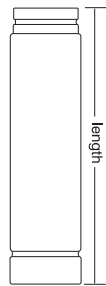
Terminations

Terminating components include a fabricated aluminium gas vent terminal, a round top and a ridge tile adaptor.

TYPICAL INSTALLATIONS



LENGTHS



STRAIGHT LENGTHS

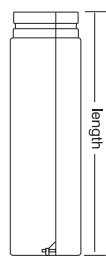
Available in 6 sizes. They are easy to assemble and can be combined to obtain the required installation height.

Each length is 38mm longer than its effective length.

Size	Part #	Length mm
102 mm	4SIL-60	1524
102 mm	4SIL-36	914
102 mm	4SIL-18	457
102 mm	4SIL-12	304
102 mm	4SIL-6	152

Size	Part #	Length mm
127 mm	5SIL-60	1524
127 mm	5SIL-36	914
127 mm	5SIL-18	457
127 mm	5SIL-12	304
127 mm	5SIL-6	152

Size	Part #	Length mm
152 mm	6SIL-60	1524
152 mm	6SIL-36	914
152 mm	6SIL-18	457
152 mm	6SIL-12	304
152 mm	6SIL-6	152



ADJUSTABLE LENGTH

Used in combination with a Straight Length, this component assures that an exact required vent length can be achieved. It allows for easy disassembly and can absorb the linear expansion of longer pipe lengths. The adjustable length is not a loadbearing component. As an expansion compensator installed vertically, it requires a support every 18m.

Size	Part #	Length mm
102 mm	4SIL-AT18	457
102 mm	4SIL-AT12	304

Size	Part #	Length mm
127 mm	5SIL-AT18	457
127 mm	5SIL-AT12	304

Size	Part #	Length mm
152 mm	6SIL-AT18	457
152 mm	6SIL-AT12	304

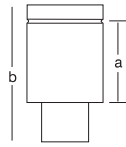
FITTINGS



DRAFT HOOD CONNECTOR

This component is designed to connect Inst-Lock pipe to the single wall flue collar or draft hood outlet of the appliance.

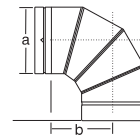
Size	Part #	amm
102 mm	4SIL-DH	115
127 mm	5SIL-DH	115
152 mm	6SIL-DH	115



76mm to 102mm APPLIANCE INCREASER (3 in to 4in)

Size	Part #	amm	bmm
102 mm	4SIL-AI	143	213

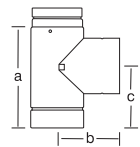
Smaller end is straight connector for 76mm (3") appliance spigot.



90° ADJUSTABLE ELBOW

Size	Part #	amm	bmm
102 mm	4SIL-90E	120	120
127 mm	5SIL-90E	120	120
152 mm	6SIL-90E	120	120

Provides a variable angle between 0° and 90°



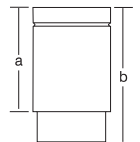
90° TEE

Size	Part #	amm	bmm	cmm
102 mm	4SIL-90T	216	121	127
127 mm	5SIL-90T	241	133	140
152 mm	6SIL-90T	267	146	152



TEE CAP

Size	Part #
102 mm	4SIL-TC
127 mm	5SIL-TC
152 mm	6SIL-TC



FLEXIBLE LINER TO Insta-Lock

Size	Part #	amm	bmm
102 mm	4SIL-FL	143	200
127mm	5SIL-FL	143	200
152 mm	6SIL-FL	143	200

NOTE: Connects to flexible liner. The Insta-Lock gas vent continues to terminate in the usual manner



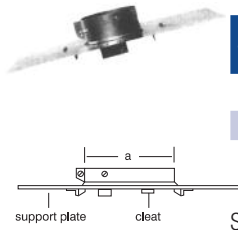
ADAPTOR to FLEXIBLE LINER

Size	Part #	amm
102 mm	4SIL-SA	100
127 mm	5SIL-SA	100
152 mm	6SIL-SA	100

NOTE: Bottom end of this component connects to Insta-Lock. Upper end connects to flex flue liner.

SUPPORTS AND FIRESTOPS

SUPPORT PLATE



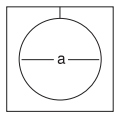
Size	Part #	amm	Support Plate Dim
102 mm	4SIL-SP	117	432mm x 254mm
127 mm	5SIL-SP	143	432mm x 305mm
152 mm	6SIL-SP	168	432mm x 305mm

Supports 18 metres of flue when fitted on floor joists, also acts as a firestop.

FIRESTOP SPACER



Attached on and under a floor or on both sides of a partition, it serves to position the vent whenever it passes through a floor or joist maintaining a minimum 25mm clearance between the external casing of the flue and any combustible materials.

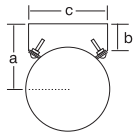


Size	Part #	amm
102 mm	4SIL-FS	102
127 mm	5SIL-FS	127
152 mm	6SIL-FS	152

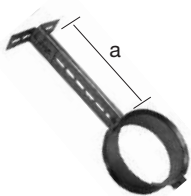


WALL BAND

Size	Part #	amm	bmm	cmm
102 mm	4SIL-WB	109	52	102
127 mm	5SIL-WB	126	56	102
152 mm	6SIL-WB	140	58	102



Use at intervals not exceeding 2.5ms to provide lateral support.



STAND OFF WALL BRACKET

Designed to provide internal lateral bracing support off a wall or structure, the strut can be cut to length to provide variation in wall clearance.

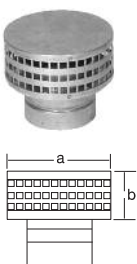
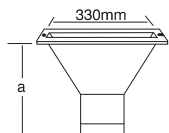
Size	Part #	amm
100 mm	4SIL-SOB	238 max 80 min
125 mm	5SIL-SOB	240 max 80 min
150 mm	6SIL-SOB	237 max 80 min

TERMINATIONS



RIDGE TILE ADAPTER

Size	Part #	Length mm
102 mm	4SIL-RTA	285
127 mm	5SIL-RTA	285



GAS VENT TERMINAL

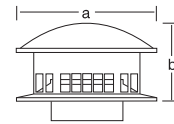
Fabricated aluminium

Size	Part #	amm	bmm
102 mm	4SIL-GVT	184	93
127mm	5SIL-GVT	211	93



ROUND TOP

Size	Part #	amm	bmm
102 mm	4SIL-RT	203	108
127mm	5SIL-RT	254	133
152 mm	6SIL-RT	305	159

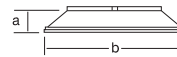


FLASHINGS



STORM COLLAR

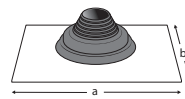
Size	Part #	amm	bmm
102 mm	4SIL-SC	40	194
127mm	5SIL-SC	40	219
152 mm	6SIL-SC	40	244



SELDEK NO 1 (50mm - 170mm)

Part #	amm	bmm
SDA 101	500	500

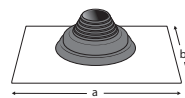
NOTE: For external pipe diameters from 50mm to 170mm



SELDEK NO 2 (110mm - 200mm)

Part #	amm	bmm
SDA 102	600	600

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



GAS BOXES

FREESTANDING GAS BOX

The Freestanding Gas Flue Box has a twin-wall construction and is for use with any Gas Fire manufactured and tested to BS 5258: Parts 5 and 16

Size	Part #	amm	bmm	cmm
127 mm	5GB-FS	610	212	457



RECESSED GAS BOX

This Box is a deeper version of the Freestanding Gas Fire Flue Box, and its installation requirements are the same. However, being deeper it can also be used to fit within the thickness of an internal masonry or plaster and timber stud wall so that the Gas Fire is flush to the wall in one room with the Insta-Lock Gas Vent behind the wall.

Size	Part #	amm	bmm	cmm
127 mm	5GB-R	610	331	457





STC Twin Wall Chimney
also available from
Deks Europe



A Skellerup Industries Company

Deks Industries Europe Limited
West End Trading Estate,
Blackfriars Road
Nailsea, Bristol BS48 4DJ

Tel: 01275 858866
Fax: 01275 855887
sales@deks.co.uk
www.deks.co.uk

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