

**SELKIRK**  
*there is only one!*

## Insta-Lock Gas Vent

Diameter Range : 102mm - 203mm (4" - 8")



**DEKS**  
EASY TO WORK WITH

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## 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 5 diameters 102mm (4"), 127mm (5"), 152mm (6"), 177mm (7") and 203mm (8") 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 in diameters 4-6" is manufactured and tested to comply with BS715 1993 and complies with EN1856 Part 1 when tested in accordance with BSEN 1859.

Product designation T250N2DVM L1100300(25) Certificate No. 0086-CPD-503081

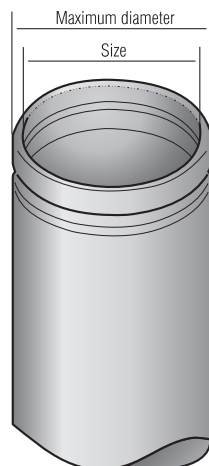
## KEY DIMENSIONS

### Size (internal diameter)

102mm (4")  
127mm (5")  
152mm (6")  
177mm (7")  
203mm (8")

### Maximum outside diameter

114mm (4 1/2")  
140mm (5 1/2")  
165mm (6 1/2")  
190mm (7 1/2")  
216mm (8 1/2")



## DESCRIPTION

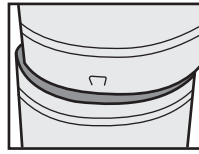
### Structure & Manufacturer

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.

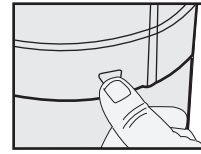
### Selkirk Insta-Lock Gas Vent LOCKTAB feature

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

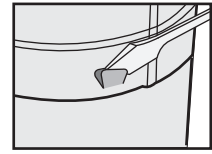
accepted practice or a local requirement. The use of 1/4" sheet metal screws is expensive and time-consuming for installers. The use of our LOCKTAB feature gives installers the option of engaging this tab instead of using sheet metal screws.



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 online @ [www.selkirkchimney.co.uk](http://www.selkirkchimney.co.uk)

### Jointing

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.

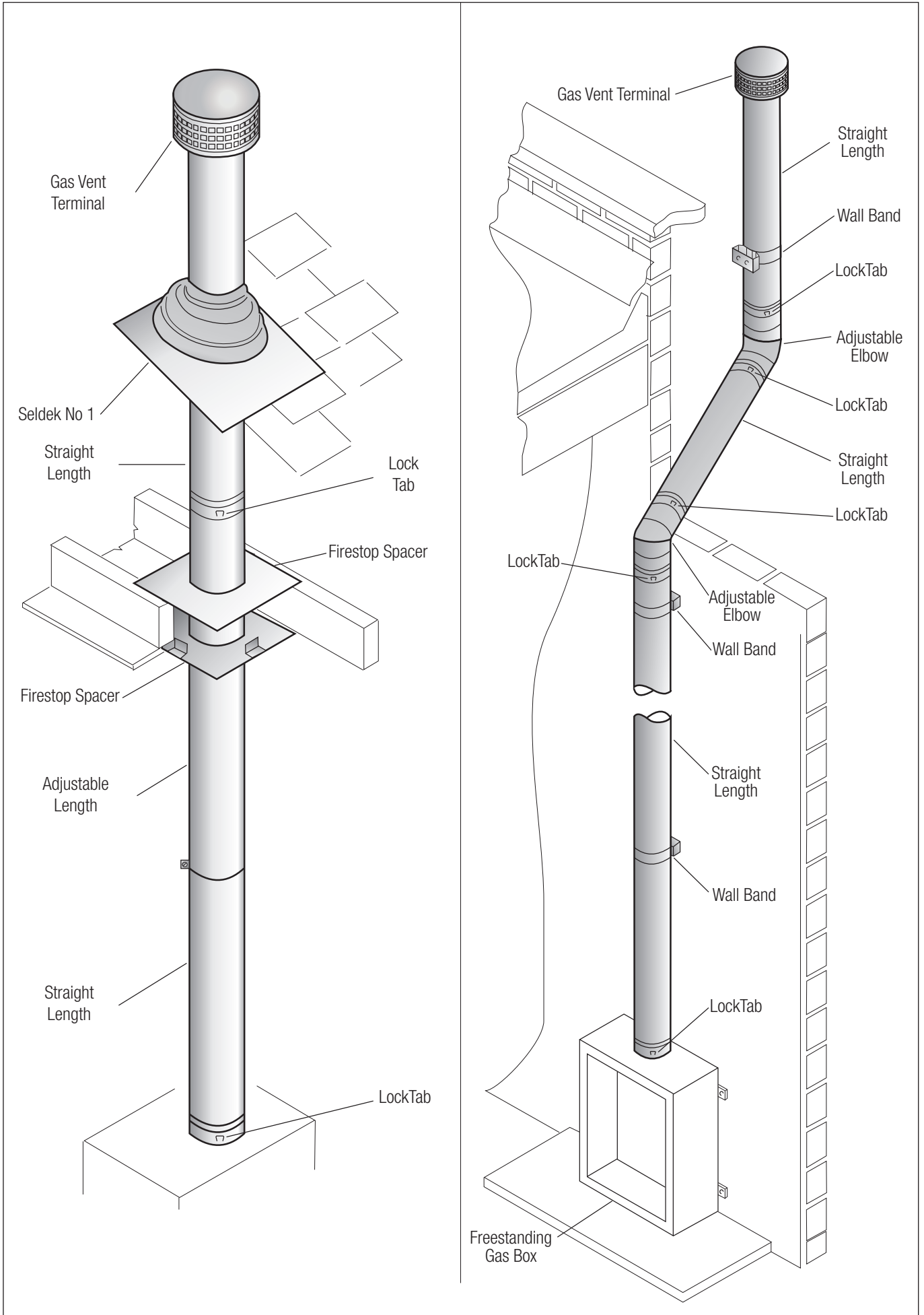
### Lengths of Vent

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.

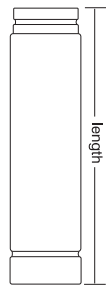
### Terminations

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

# TYPICAL INSTALLATIONS



## LENGTHS



### STRAIGHT LENGTHS

Available in 5 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

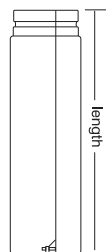
Size	Part #	Length mm
152 mm	6SIL-60	1524
152 mm	6SIL-36	914
152 mm	6SIL-18	457
152 mm	6SIL-12	304
152 mm	6SIL-6	152

Size	Part #	Length mm
177 mm	7SIL-60	1524
177 mm	7SIL-36	914
177 mm	7SIL-18	457
177 mm	7SIL-12	304
177 mm	7SIL-6	152

Size	Part #	Length mm
203 mm	8SIL-60	1524
203 mm	8SIL-36	914
203 mm	8SIL-18	457
203 mm	8SIL-12	304

### 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

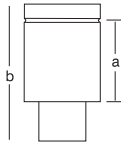
Size	Part #	Length mm
127 mm	5SIL-AT18	457
127 mm	5SIL-AT12	304

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

Size	Part #	Length mm
177 mm	7SIL-AT18	457
177 mm	7SIL-AT12	304

Size	Part #	Length mm
203 mm	8SIL-AT18	457
203 mm	8SIL-AT12	304

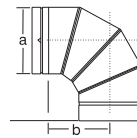
## FITTINGS



### 86mm 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
175 mm	7SIL-90E	120	120
203 mm	8SIL-90E	120	120

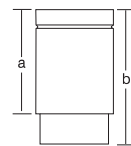
Provides a variable angle between 0° and 90°



### 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
177 mm	7SIL-DH	115
200 mm	8SIL-DH	115



### 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
177 mm	7SIL-FL	143	200

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



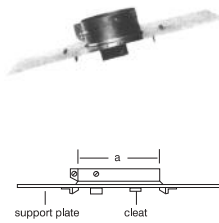
### ADAPTOR to FLEXIBLE LINER

Size	Part #	amm
102 mm	4SIL-SA	100
127 mm	5SIL-SA	100
152 mm	6SIL-SA	100
177 mm	7SIL-SA	100

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

## SUPPORTS AND FIRESTOPS

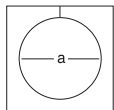
### SUPPORT PLATE



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
177 mm	7SIL-SP	193	432mm x 355mm
203 mm	8SIL-SP	219	432mm x 355mm

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

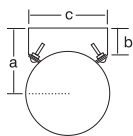
### FIRESTOP SPACER



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	127
127 mm	5SIL-FS	152
152 mm	6SIL-FS	175
177 mm	7SIL-FS	203
203 mm	8SIL-FS	228

### 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
177 mm	7SIL-WB	154	60	102
203 mm	8SIL-WB	169	63	102

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

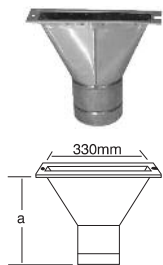
### STAND OFF WALL BRACKET



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.

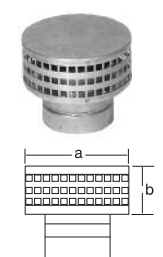
Size	Part #	amm
100 mm	4SIL-SOB	238 max 80 min
125 mm	5SIL-SOB	240 max 80 min
150 mm	6SIL-SOB	237 max 80 min

## TERMINATIONS



### RIDGE TILE ADAPTER

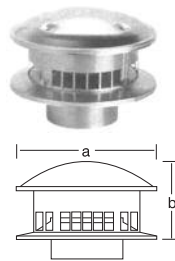
Size	Part #	Length mm
102 mm	4SIL-RTA	285
127 mm	5SIL-RTA	285



### GAS VENT TERMINAL

Fabricated aluminium

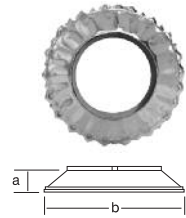
Size	Part #	amm	bmm
102 mm	4SIL-GVT	184	93
127mm	5SIL-GVT	211	93
150mm	6SIL-GVT	211	93



## ROUND TOP

Size	Part #	amm	bmm
102 mm	4SIL-RT	203	108
127mm	5SIL-RT	254	133
152 mm	6SIL-RT	305	159
177 mm	7SIL-RT	356	185
203 mm	8SIL-RT	407	210

## FLASHINGS



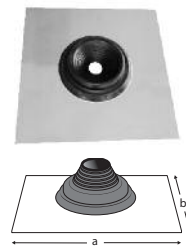
### STORM COLLAR

Size	Part #	amm	bmm
102 mm	4SIL-SC	40	194
127mm	5SIL-SC	40	219
152 mm	6SIL-SC	40	244
177 mm	7SIL-SC	40	244
203 mm	8SIL-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

### SELDEK NO 3 (160mm - 300mm)

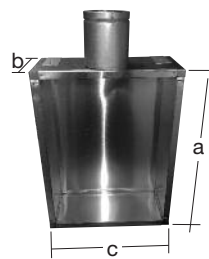
Part #	amm	bmm
SDA 103	764	764

NOTE: For external pipe diameters from 160mm to 300mm

## GAS BOXES

### FREESTANDING GAS BOX

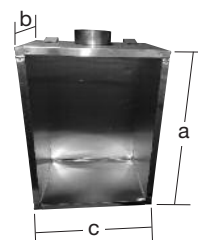
The Freestanding Gas Flue Box has a twin-wall construction and is for use with any Gas Fire manufactured and tested to BS 5258: Parts 5 and 16



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 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. This box is supplied with the top connection suitable for a flexible gas flue liner, if the rigid insta lock gas vent is to be used and adaptor for flexible liner (05SIL-FL) should be used.



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

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