

UltraFlex Stainless Steel

Flexible Chimney Flue Liner

 **FlueSupplies**
UK CHIMNEY SPECIALISTS



Trade Catalogue



About Us

Flue Supplies is a family-run company with over 20 years direct experience of selling chimney products to the UK chimney trade and retail customers. All our products have been selected from quality manufacturers and are trusted by trade installers across the UK. We believe our products should give you both value for money as well as peace of mind.



Specifications

Our **ULTRAFLEX** liners are all of stainless steel twin-lined grade 1 quality and produced to the highest of standards. The liners are designed to withstand high temperatures and has a good resistance to corrosion. We produce different liners; 316L/316L and 904/904, each designed to perform under various circumstances depending on the types of fuel used.

We also stock a wide range of fittings to use in the installation of our liners. All of our flexible liner products are of the highest quality and a variety are available to suit the individual needs of the customer.

General Notes

1. Ensure your liner is fitted and swept by a professional installer and/or sweep.
2. It is essential the liner is installed with the arrows facing an upward direction.
3. Flue Supplies recommends that the chimney is swept and inspected at least twice a year, ideally at the middle and end of the heating season. Failure to maintain a clean chimney can potentially cause a chimney fire and the emission of toxic gases. Keep all sweeping certificates and invoices for any possible claims.
4. In the event of a chimney fire, all products need to be inspected by a competent person to ensure the system is safe to use.
5. Do not burn household refuse.
6. Do not block or cover the appliance or chimney outlets.
7. Slumbering the fire for prolonged periods of time will decrease the life expectancy of the liner. It is recommended to run the appliance at a controlled high fire temperature within each firing for at least 30mins if slumbering overnight. Using a thermometer will allow you to monitor flue gas temperatures.
8. Do not use chemical cleaners or metal brushes.
9. It is advised to use only the fuel recommended by the appliance manufacturer and a liner suitable for burning that fuel. Using the wrong fuel for the liner will decrease the life of the product.
10. It is a legal requirement to fit a chimney notice plate on any installation, either by the fire itself or in a utility cupboard. A carbon monoxide detector and air vent must also be fitted in the same room as the appliance.

Curvature

The liner's flexibility allows it to be handled and installed with a minimum curvature radii whilst avoiding any damage to the inside of the liner. Do not overbend or kink the liner.

Internal Diameter	Minimum Curvature Radius
125	315
150	360
175	420
200	470

When installing the liner, please note that the arrows marked on the liner need to face up the chimney, indicating the direction of the flue gases. Incorrect installation can result in faster build-up of deposits and a greater chance of a chimney fire.

Quality

Our liners and products have all been quality tested. Our liner has been tested by BSRIA and has a designation number of EN1856- T450-P2-D-VML-L500-24-G.



Designation

Standard No.	EN 1856	Condensation Resistance	VML
Temperature Rating	T450	Liner Material	L500
Pressure Rating	P2	Material Thickness	24
Corrosion Resistance	D	Soot Fire Resistance	G

Dimensions

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
Internal Diameter (mm)	125	150	175	200
External Diameter (mm)	131	156	181	206
Coil Length	40	40	30	30

Specification

Specification	Product	
	316/316L	904/904
Materials	Stainless Steel 316L Inner and Outer	Stainless Steel 904 Inner and Outer
Construction	The inner wall is of smooth bore construction giving extremely low resistance to the flue gas flow. The outer wall has a convoluted profile with a crimp and locked seam. The two walls are seamed together throughout the length to ensure its stability and integrity.	
Performance	Normal Operating temperature of upto 450°C for solid fuel and 250°C for gas and oil.	
Fuels	Gas, Oil, Coke, Cured Dry Logs and Cure Dry Peat.	Gas, Oil, Coke, Cured Dry Logs, Cured Dry Peat and Smokeless Fuels. Recommended for slumbering or for boiler models.
Operation	The liner will withstand thermal shock at 1000°C for a short duration in emergencies. However, in the event of a chimney fire, the product will need to be checked by a competent person before re-use. Such high temperatures can have a detrimental effect on the product life.	
Installation	The product must be installed and commissioned by a competent professional installer.	
Maintenance	The chimney must be swept at least once a year by a professional sweep. Do not use chimney cleaners and only non-metallic brushes.	
Life Expectancy	20 Years Guarantee	35 Years Guarantee
Guarantee	In order to register for the guarantee you will need to complete a product registration form, subject to condition. The life expectancy is based on normal operation with correctly set and operated appliances using the appropriate fuels of recognised quality and low sulphur content. Please Note: if "slumbering", the 904 liner should be used.	
Designation	EN1856-T450-P2-D-VML-L500-24-G	
Dimensions	Available in 4" (100mm), 5" (125mm), 6" (150mm), 7" (175mm), 8" (200mm), 10" (250mm)	

Installation Guide

Before you install your liner:

Ensure your brick chimney stack has been thoroughly swept, cleaned and is clear of any debris. Carry out any rectification work on the exposed section of the chimney stack prior to installing your flexible flue liner e.g. re-pointing. **(See Figure 1).**

Unpacking the liner:

When unpacking the liner, remove packaging and uncoil from the outside. Uncoiling from the inside will potentially exceed the maximum curvature radii of the liner, cause damage to its structure and void the warranty.

The nominal size of the liner:

A minimum of 25mm between the flue liner and the wall of the chimney stack must be maintained along the full length of the liner. For example, in a 9"x 9" chimney, a maximum of a 7" liner should be used.

Test-pull your installation:

To ensure your flexible liner will pass cleanly through the chimney, we would advise a "test-pull". This means using a test piece (we suggest a minimum of 1mtr) of the correct diameter flexible liner that you wish to install. Connect a nose cone to both ends of the test piece with drawstrings attached, long enough for the length of the chimney, then pass the liner through your chimney in the direction you intend to install it. If your test-pull is successful, whereby the diameter liner fits your chimney stack and you do not encounter any blockages, you should continue your installation without any problems. **(See Figure 2).**

Site preparation and cutting the liner:

Please wear heavy-duty gloves when handling the flexible liner as it has very sharp edges and could injure at ease if handled incorrectly.

Using a hacksaw is the most common way to cut flexible liner. Ensure you secure the liner on a solid and secure flat surface, using tin snips to tidy up any rough ends. Once your liner has been cut, tape the ends using duct tape which will help ensure you do not cut yourself whilst installing the liner. Remove the tape once it has been installed. **(See Figure 3).**

Please ensure you have the appropriate working platform in place on the roof to enable a safe installation of your liner. Health and safety must be at the forefront of your mind when installing and handling your flexible liner.

Fitting your flexible liner:

You can install your flexible liner either from the top or bottom of the brick chimney stack. Whichever way you choose to install the liner, please ensure that you have sufficient clearance around the outside of the liner to ensure the least amount of friction, or possibility of catching any bricks within the chimney stack, does not occur.

Unpack your flexible liner and, attaching a drawstring to the nose cone, (making sure it is long enough to reach the bottom of the stack), connect the nose cone to the end of the liner using gaffer tape. Ensure the arrows marked on the liner are facing an upward direction (representing the direction of flue gases). (See "Completed install" diagram).



The inside of a flue liner is designed to be like weather-boarding on a building, with each board overlapping the next. The idea of the lap on the inside is so that any soot/tar/creosote that runs back down the liner will run over the joints. The diagram on the left shows how the liner is designed to do this.

You will need two people to install your liner successfully, one at either end of the chimney stack. From the top of the roof, start to push the liner, nose cone first, down the stack. The person at the bottom of the stack should hold the string and take up the slack. Work in tandem to feed the liner down the chimney stack, ensuring you leave enough liner at the bottom to secure your adaptor and enough at the top to secure the top fixings.

(See "Completed install" diagram).

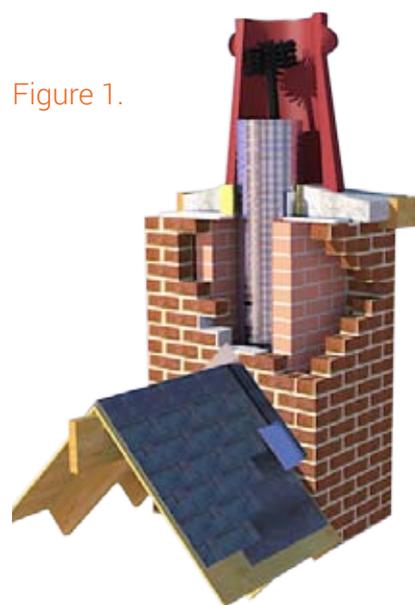


Figure 1.

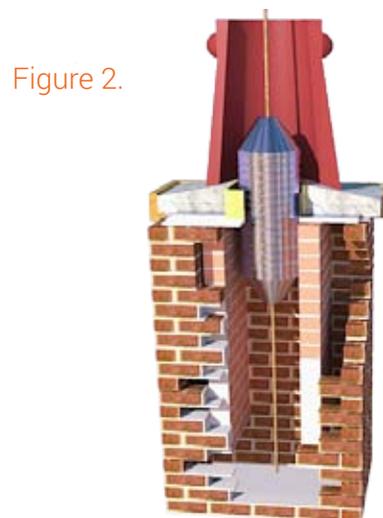


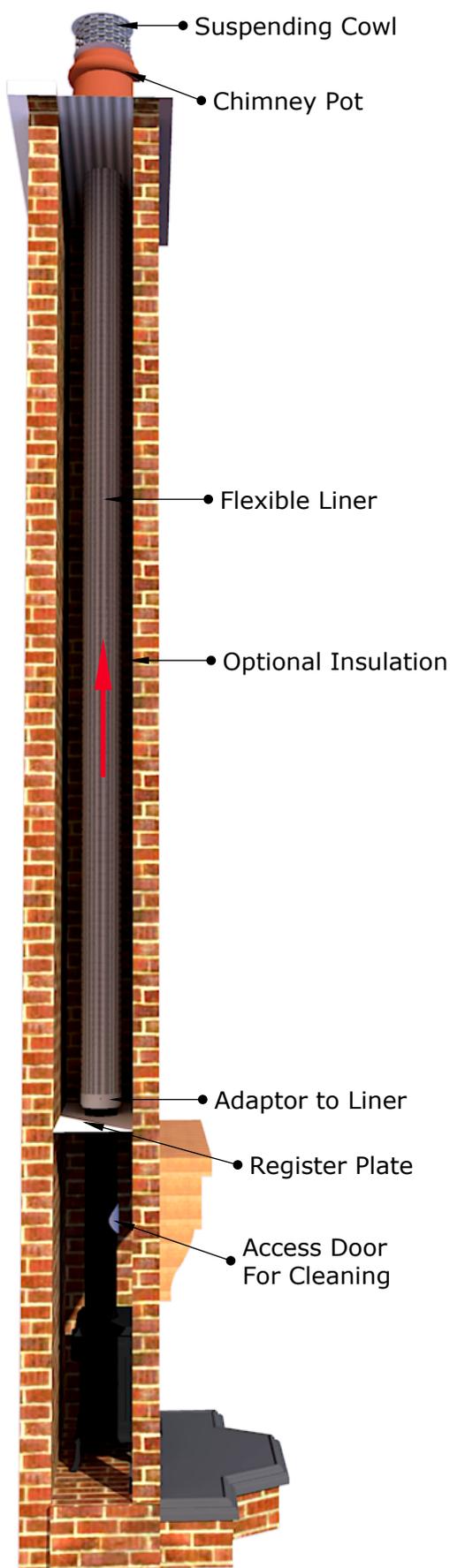
Figure 2.



Figure 3.

Please note:

The liner should not be fitted directly to the appliance. A short length of either vitreous or 316 stainless steel (preferably with a clean-out door for sweeping) should be fitted from the appliance to the liner adaptor.



Completed Installation Diagram

Insulation materials:

Flue Supplies recommends you back fill your chimney with either Vermiculite or alternatively, Rockwall insulation. Rockwall comes in fixed 1mtr lengths, 25mm thick, whilst the Vermiculite is a loose-fill material which is much easier to install with your liner. Both materials increase the efficiency of your chimney and will help avoid any corrosion of your liner.

Another alternative is air-gap venting. This is a simple way to maintain the air gap simply by inserting 2x 15mm copper pipes horizontally at the top of the chimney stack. You must not however, exceed a venting area of 52cm.

Annual maintenance:

All chimneys should be swept and inspected by a competent person at least once every year (often more depending on the fuel you are burning). Your chimney could suffer from soot build-up within the flexible liner, especially if wet, unseasoned wood, coal or low grade fuels have been used. To ensure your liner is safe to use, a yearly sweep (using a polypropylene brush not a metal wire brush which can potentially damage the liner) and the annual inspection reduces the chance of soot build-up and therefore reduces the chance of a chimney fire. Any chimney fire could affect the structural strength of your liner and should be inspected after any chimney fire occurs.

The correct type and size of brush for the liner must be used when cleaning; a brush too big could potentially get stuck. Flue Supplies recommends a polypropylene brush not a metal wire brush as this could actually damage the liner. You must not use chemical cleaners. (See Figure 1).

Your flexible liner is constructed from either 316 or 904 stainless steel and has been tested to EN-1856 (CE Approved) and will withstand constant operating temperatures of 540° C, and 760°C on short fire operation.

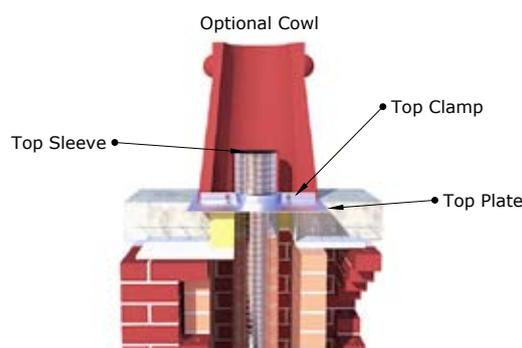
Legal requirements:

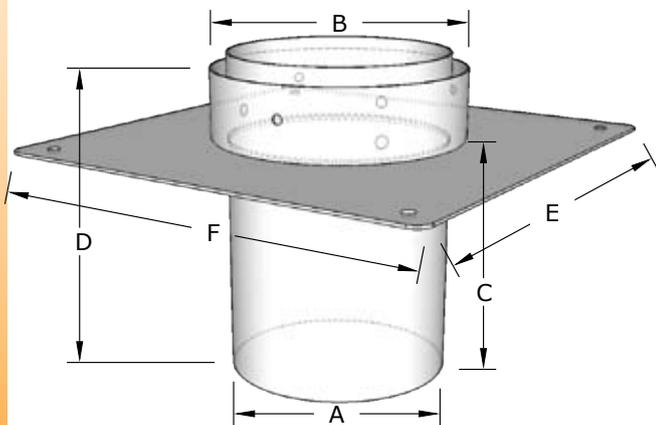
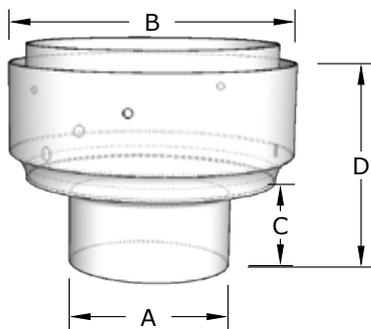
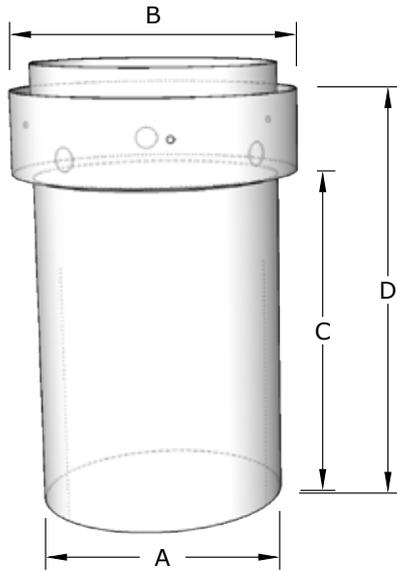
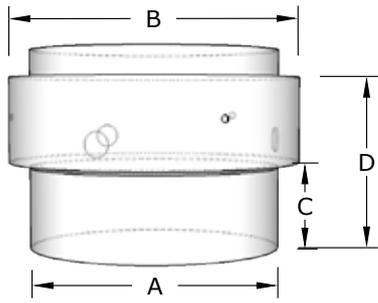
On completion of the installation it should be commissioned with appropriate requirements, including a smoke test. This will check for any leaks or substantial spillages from the liner which will need rectifying before the appliance is used.

It is a legal requirement to fit a chimney notice plate on any installation or modification to your existing installation. Your notice plate should be fitted either in your utility meter cupboard or close to the fire or woodstove. You should never cover this plate.

Also, a carbon monoxide detector and an air vent should be installed in the same room as the appliance. Please refer to the Document J Building Regulations for more details.

Alternative top fixings diagram





Stove Adaptor

Adaptor to attach flexible liner to vitreous/316 stove pipe. (Also available in 4" Diameter)

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	172	195
B	140	170	200	215
C	50	50	50	50
D	100	100	100	100

Stove Adaptor / Adjustable

Long-tail adaptor to attach flexible liner to vitreous /316 stove pipe. Used when adjustment is required.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	N/A	N/A
B	140	170	N/A	N/A
C	200	200	N/A	N/A
D	250	250	N/A	N/A

Stove Adaptor / Increasing

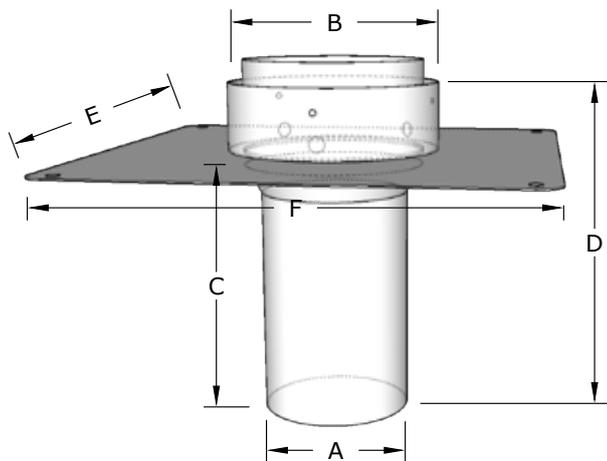
Increasing adaptor to attach flexible liner to smaller diameter vitreous/316 stove pipe.

INCREASERS	4" - 5"	5" - 6"	6" - 7"	7" - 8"
Bore	125	150	175	200
A	95	123	148	173
B	140	170	200	215
C	50	50	50	50
D	115	120	120	120

Register Plate / Adaptor

Register plate adaptor with plate 300mm X 300mm to attach flexible liner to vitreous/316 stove pipe.

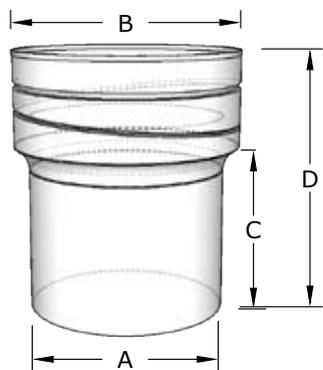
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	176	173
B	140	170	200	215
C	135	135	135	135
D	190	190	190	190
E	300	300	300	300
F	300	300	300	300



Register Plate / Increasing Adaptor

Register plate adaptor with plate 300mm X 300mm to attach flexible liner to vitreous/316 stove pipe.

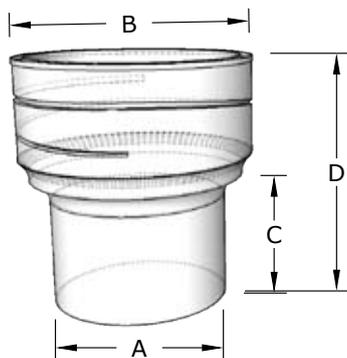
Diameter	4 - 5"	5 - 6"	6 - 7"	7 - 8"
Bore	125	150	175	200
A	98	121	148	173
B	140	170	200	215
C	135	135	135	135
D	190	190	190	190
E	300	300	300	300
F	300	300	300	300



Screw Adaptor

Screw adaptor to attach flexible liner to vitreous /316 stove pipe.

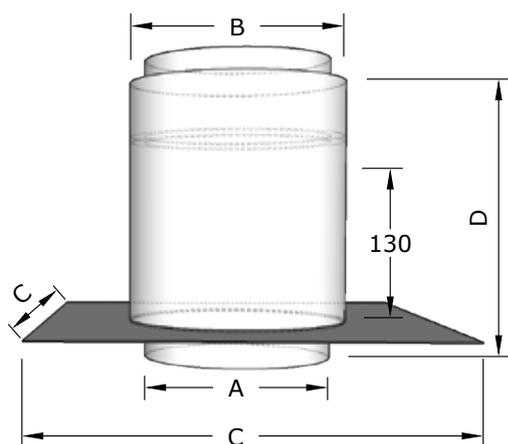
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	120	148	173	198
B	136	160	186	214
C	90	90	90	90
D	160	160	160	160



Screw Adaptor Increasing

Increasing screw adaptor to attach flexible liner to smaller diameter vitreous/316 stove pipe.

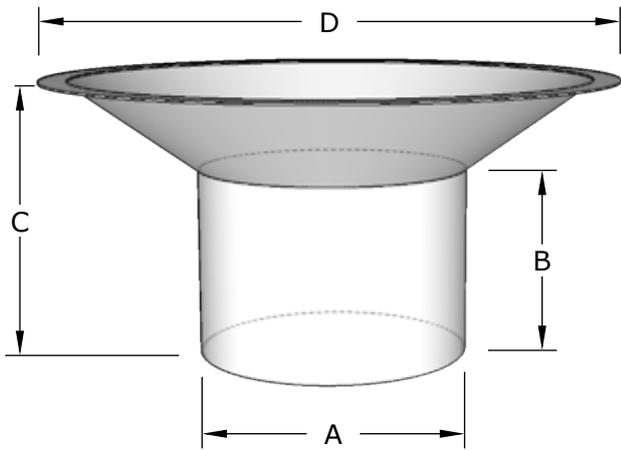
INCREASERS	4" - 5"	5" - 6"	6" - 7"	7" - 8"
Bore	125	150	175	200
A	98	120	N/A	N/A
B	135	163	N/A	N/A
C	80	80	N/A	N/A
D	160	160	N/A	N/A



Top Hat Adaptor

Top hat adaptor to attach flexible liner to vitreous stove pipe. Can be adjusted in the sleeve up or down by 130mm

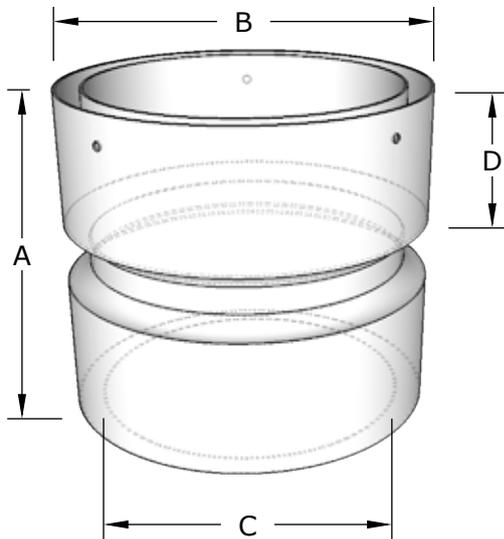
INCREASERS	5"	6"	7"	8"
Bore	125	150	175	200
A	120	146	170	196
B	142	170	192	215
C	300	300	300	300
D	240	240	240	240



Sump Adaptor/ Clay Liner Adaptor

used to connect from single skin stove pipe to clay, pumice or concrete flue liners.

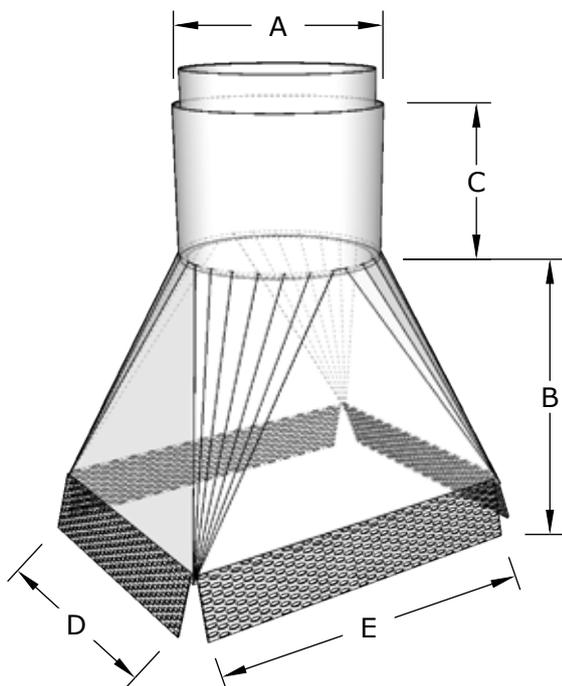
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	170	190
B	120	120	120	120
C	155	155	155	155
D	310	310	310	310



Connect Adaptor

Connect adaptor allows two length of Flexible Flue liner to be joined together.

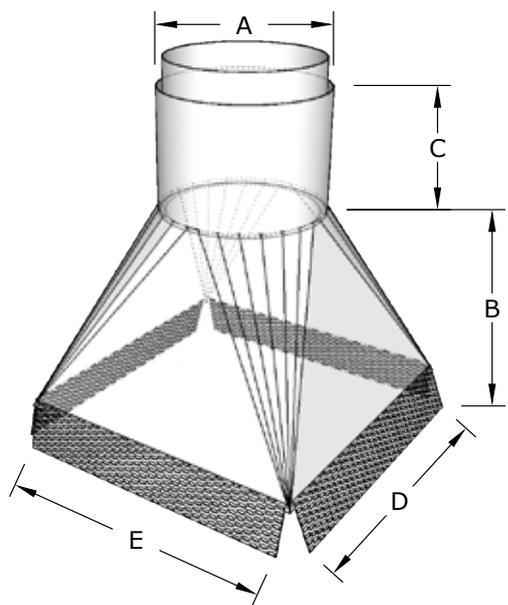
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	154	154	154	154
B	136	167	186	211
C	123	150	170	195
D	60	60	60	60



Gather Hood 300 x 220mm

Fitted at the base of the chimney where an open fire is used. Please call for prices if other sizes are required.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	172	195
B	200	200	200	200
C	340	340	340	340
D	220	220	220	220
E	300	300	300	300

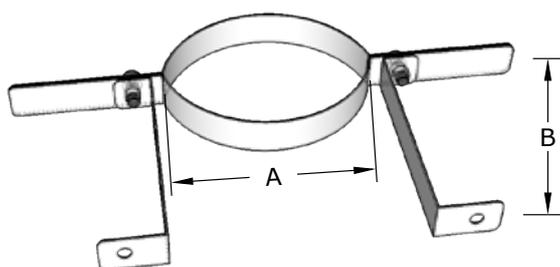


Gather Hood

300 x 300mm

Fitted at the base of the chimney where an open fire is used. Please call for prices if other sizes are required.

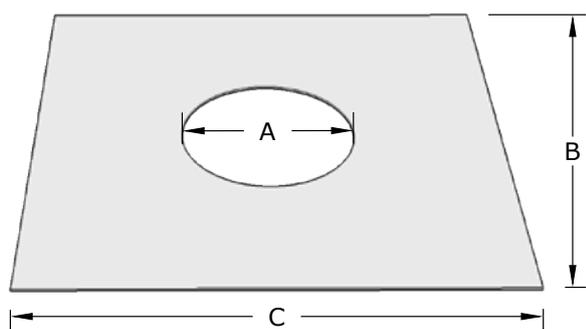
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	172	195
B	200	200	200	200
C	340	340	340	340
D	300	300	300	300
E	300	300	300	300



Base Support Bracket

Used to secure flexible liner to the base of the chimney stack.

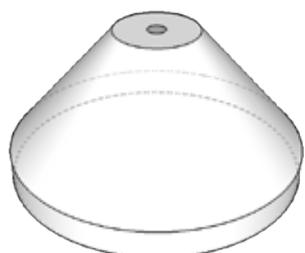
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	130	155	180	210
B	120	120	120	120



Top Plate

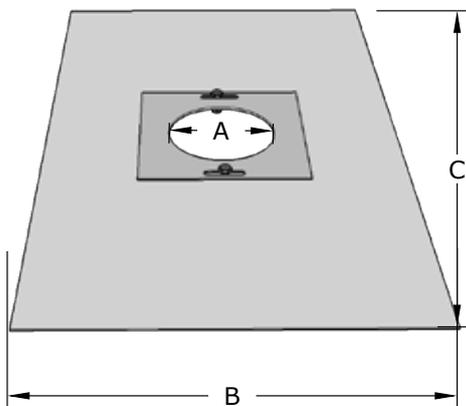
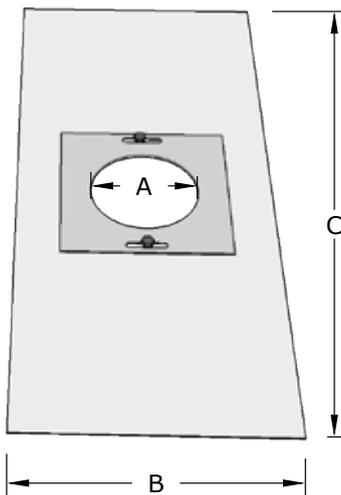
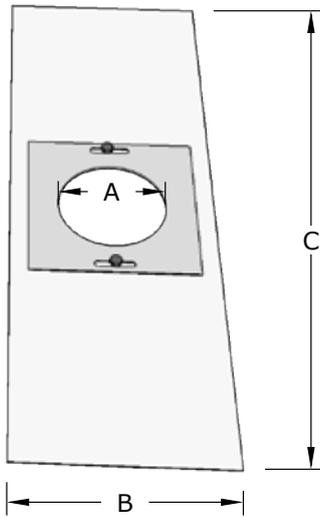
The top plate is fitted at the top of the chimney stack and is constructed to allow the liner to pass through it. Used in conjunction with the top clamp. (Also available in 4" Diameter)

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	140	165	190	213
B	380	380	380	380
C	380	380	380	380



Nose Cone

Liner nose cone to help install the chimney liner. These are made from plastic or aluminium. (Available in 4" - 8" Diameters)



Register Plate

36" x 12"

Register Plate 36" x 12" complete with adjustable plate for ease of installation. Plate can be lowered for inspection of chimney liner. Comes with 2 x pre-drilled angle brackets for fixing.

Please Note: Adjustable plate is only front and back movement.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	135	165	190	N/A
B	300	300	300	N/A
C	980	980	980	N/A

* Also available without hole

Register Plate /

36" x 18"

Register Plate 36" x 18" complete with adjustable plate for ease of installation. Plate can be lowered for inspection of chimney liner. Comes with 2 x pre-drilled angle brackets for fixing.

Please Note: Adjustable plate is only front and back movement.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	135	165	190	N/A
B	450	450	450	N/A
C	980	980	980	N/A

* Also available without hole

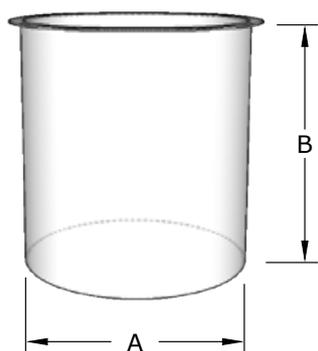
Register Plate /

36" x 24"

Register Plate 36" x 24" complete with adjustable plate for ease of installation. Plate can be lowered for inspection of chimney liner. Comes with 2 x pre-drilled angle brackets for fixing.

Please Note: Adjustable plate is only front and back movement.

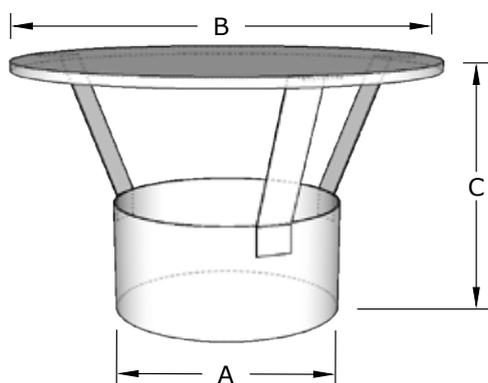
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	135	165	190	N/A
B	600	600	600	N/A
C	980	980	980	N/A



Top Sleeve

Used to strengthen the flue liner at the top stack. Slides inside the liner to give added strength.

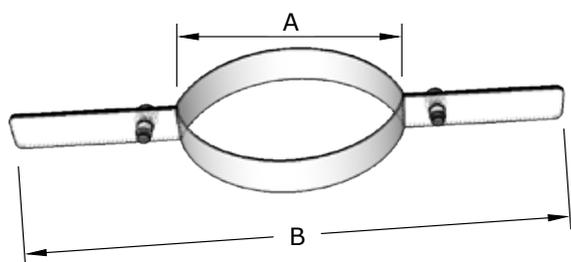
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	171	195
B	135	135	135	135



Rain Cap

Fits to the top of the flexible liner preventing any rain ingress into the chimney. (Also available in 4" Diameter)

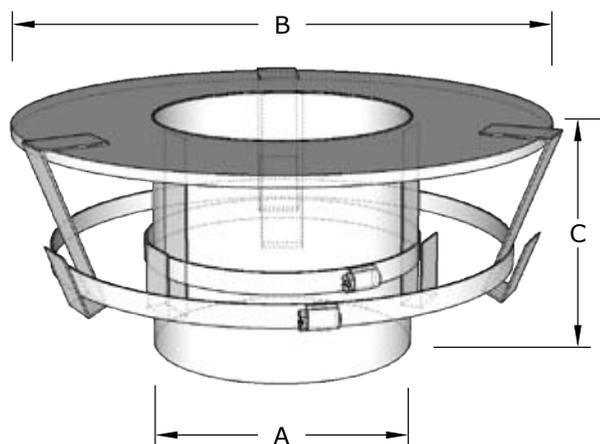
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	135	165	190	210
B	300	300	300	300
C	175	175	200	200



Top Clamp

The top clamp is used to secure the liner to the top of the chimney stack, above the top plate at point of termination. (Also available in 4" Diameter)

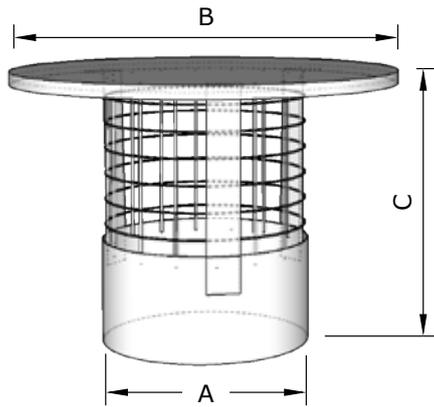
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	130	155	180	210
B	330	330	330	330



Pot Hanger

Fits to the top of the flexible flue liner. This product is mainly used where the clay pot is being used (as there is no need to remove the pot to install).

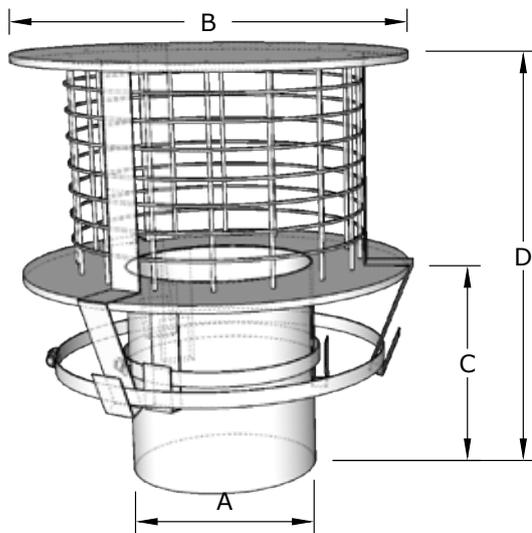
Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	171	195
B	300	300	300	300
C	160	160	160	160



Rain Cap With Mesh

Fits to the top of the flexible flue liner preventing any rain ingress into the chimney.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	135	165	N/A	N/A
B	300	300	N/A	N/A
C	200	200	N/A	N/A

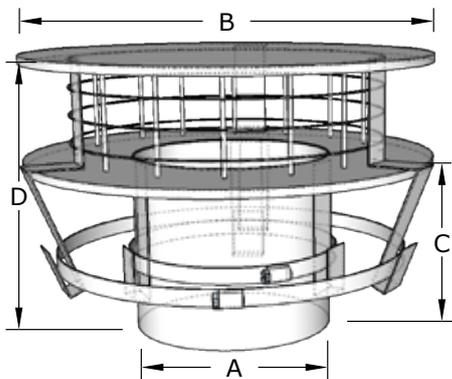


Suspending Cowl

Used as a one piece system to secure the liner at the top of the stack.

This product is mainly used where the clay pot is being used (as there is no need to remove the pot to install). Also available in terracotta.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	171	195
B	300	300	300	300
C	160	160	160	160
D	330	330	330	330

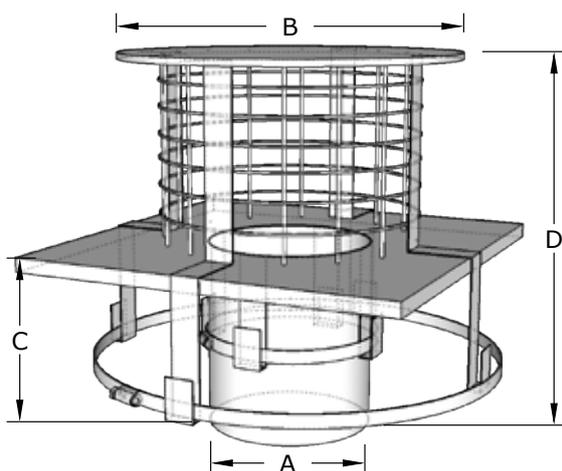


Suspending Cowl Mini

Used as a one piece system to secure the liner at the top of the stack.

This product is mainly used where the clay pot is being used (as there is no need to remove the pot to install). Also available in terracotta.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	171	N/A
B	300	300	300	N/A
C	125	125	125	N/A
D	225	225	225	N/A



Suspending Cowl Square Based

Used as a one piece system to secure the liner at the top of the stack.

This product is mainly used where the clay pot is being used (as there is no need to remove the pot to install). Also available in terracotta.

The Base Plate of the cowl is 335mm x 335mm.

Diameter	5"	6"	7"	8"
Bore	125	150	175	200
A	121	148	171	195
B	300	300	300	300
C	175	175	175	175
D	330	330	330	330



ISO 9001
FS 576960