

# SUPRA PLUS

Stainless Steel Single Wall  
Chimney System



**SUPRA PLUS is British built** and specifically designed for today's modern high efficiency appliances that operate under positive pressure and condensing condition.



Manufactured in the UK



[www.sflchimneys.com](http://www.sflchimneys.com)

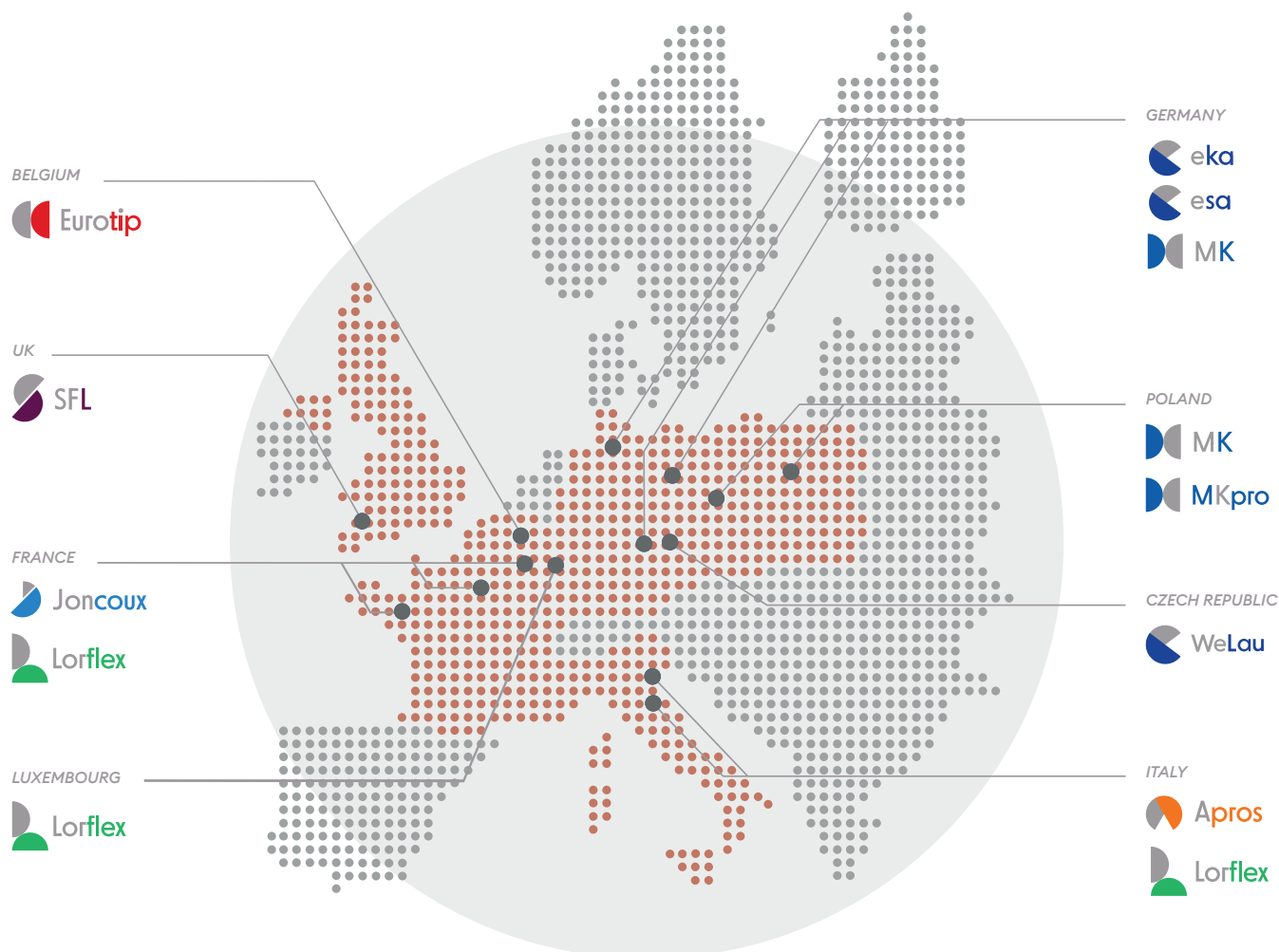


Flue & Air Care  
Since 1919

## ABOUT US

Sphering is the leading industrial player in flue and chimney systems in Europe.

**With +1000 experienced people across Europe, Sphering is an EU market maker with renowned expertise in design, manufacturing and distribution of advanced air and flue care systems.**



  
**+1000**  
Employees

  
**8**  
Production Plants

  
**26**  
Distribution Branches

## A UNIQUE COMBINATION OF LOCAL APPROACH AND GLOBAL EFFICIENCY WE CARE TO DO WELL BY DOING GOOD

With customers



With employees



With secured and  
efficient product



With the environment  
& society



EVERYTHING CHANGED IN 100 YEARS EXCEPT  
**OUR VALUES**

Staying loyal to its historical values and operating with an exclusive industrial model based on the autonomy of its brands, Sphering has become, in a century, an ethical industrial collider in Europe.

Since 1919  
**100** YEARS  
of passion



Reliable Partner



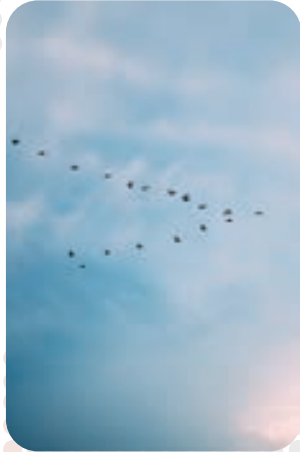
Leading Edge



Family long-term horizon



No Shortcut



Local approach



**OUR R&D AND INNOVATION CENTERS**

We are here to stay and we collectively enable our capacity to answer our industry requirements.

**MORE THAN 150 TESTS PER YEAR**

These tests are based on requirements we have set up in order to guarantee our customers the highest levels of security and performance.



Thermal



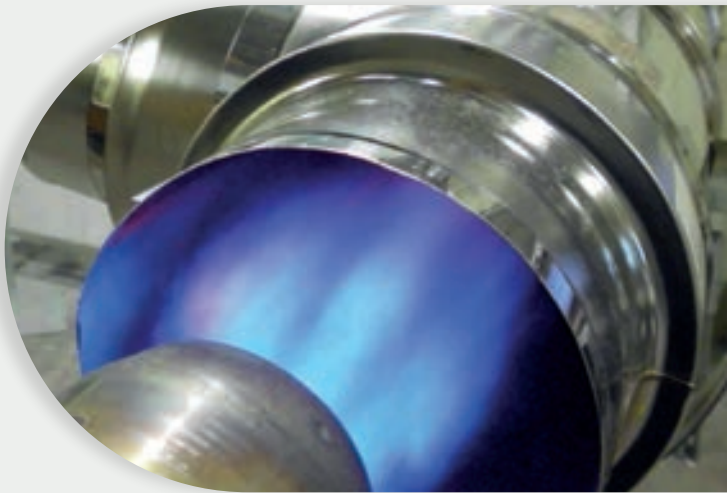
Mechanical



Tightness

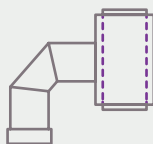


Fine dust



**DESIGN & TEST FOR MANUFACTURERS**

To ensure advanced safety, performance, quality and innovation.



Special pieces co-development



Pairing test certification

# SUPRA PLUS

Condensing & High Pressure  
Single Wall Chimney System



British Built  
Flue System



Commercial  
Application



80-350mm  
Diameter



T200 / T450  
Rating



Condensate  
Resistant (W)



PI / HI  
Rating



Factory Fitted  
Seals



Year Product  
Warranty



Product &  
Downloads  
QR Code

## **SUPRA PLUS® is a British built single wall chimney system designed specifically for today's modern high efficiency appliances that operate under positive pressure and condensing conditions.**

SUPRA PLUS offers several design advantages, including factory fitted and bonded triple lip elastomer seals, heavy and light duty locking bands and an extensive range of ancillary components to suit all varying site conditions. All fittings have been designed to be as compact as possible to service the needs of smaller plant rooms and specifically for wall-hung and modular appliances.

SUPRA PLUS has a wide range of applications and is suitable for use on gas and kerosene fired appliances where the flue gas temperature does not exceed 200°C and where any positive pressure does not exceed that stated in Table A. As well as being approved as a System Chimney, SUPRA PLUS is also approved for use as a rigid chimney liner and where local regulations permit, as a connecting flue pipe. With the seals removed, Supra Plus is also suitable as a rigid liner for flue gas temperatures up to 450°C when operating under negative draught conditions.

This makes SUPRA PLUS an ideal solution for today's high efficiency condensing appliances and applications that require up to 5000Pa (HI) positive pressure.

SUPRA PLUS is manufactured in 9 diameters ranging from 80mm to 350mm and consists of a range of lengths and fittings which simply push-fit together, and which are secured with a locking band and available with a wide range of support components that cater for both lateral and vertical structural loading of the product.

Larger diameters are available in the SUPRA XL® range covering 400, 500 and 600mm internal diameter. SUPRA XL is available in both 1mm and 0.6mm 316L stainless. Please refer to separate sales literature.

### **Typical Applications**

- Gas / Kerosene Condensing Boilers
- Chimney Relining
- Fume Extraction
- Coffee Roasters
- Cascade Boiler Installations
- Biomass
- Air inlet Ducting



UK  
CA

CE



Table A

| SUPRA PLUS product designations to BS EN 1856-1/2 |                 |                   |                |                    |                 |                                                                   |                                        |
|---------------------------------------------------|-----------------|-------------------|----------------|--------------------|-----------------|-------------------------------------------------------------------|----------------------------------------|
| Product Description                               | Standard Number | Temperature Class | Pressure Class | D = Dry<br>W = Wet | Corrosion Class | Material Specification<br>Liner Grade 316L<br>Liner Thickness 0.5 | Sootfire Resistance<br>G= Yes<br>O= No |
| SUPRA PLUS                                        | BS EN 1856-1    | T200              | PI             | W                  | V2              | L50050                                                            | O(X)                                   |
| SUPRA PLUS                                        | BS EN 1856-1    | T200              | HI             | W                  | V2              | L50050                                                            | O(X)                                   |
| (I) SUPRA PLUS                                    | BS EN 1856-2    | T200              | PI             | W                  | V2              | L50050                                                            | O                                      |
| (I) SUPRA PLUS                                    | BS EN 1856-2    | T200              | HI             | W                  | V2              | L50050                                                            | O                                      |
| (2) SUPRA PLUS (SR)                               | BS EN 1856-2    | T450              | NI             | D                  | V2              | L50050                                                            | G                                      |
| (3) SUPRA PLUS (SR)                               | BS EN 1856-2    | T450              | NI             | D                  | V2              | L50050                                                            | G(450)M                                |

Notes

- (1) Installed as a rigid liner within a masonry shaft - T200 PI / HI O
- (2) Installed as a rigid liner within a masonry shaft - T450 NI G
- (3) Installed as a connecting flues where regulations permit -T450 NI G450 M
- (SR) Denotes Seals Removed
- (X) Distance To Combustible (DN80 - DN300) = 200mm (DN350) = 300mm
- Tested within a open environment

Approvals

SUPRA PLUS is CE and UKCA certified to BS EN 1856-1 & 2, certificate No. 0036-CPR-91455 and 0168-CPR-91455 respectively to the performance designations as detailed in Table A above.

Quality

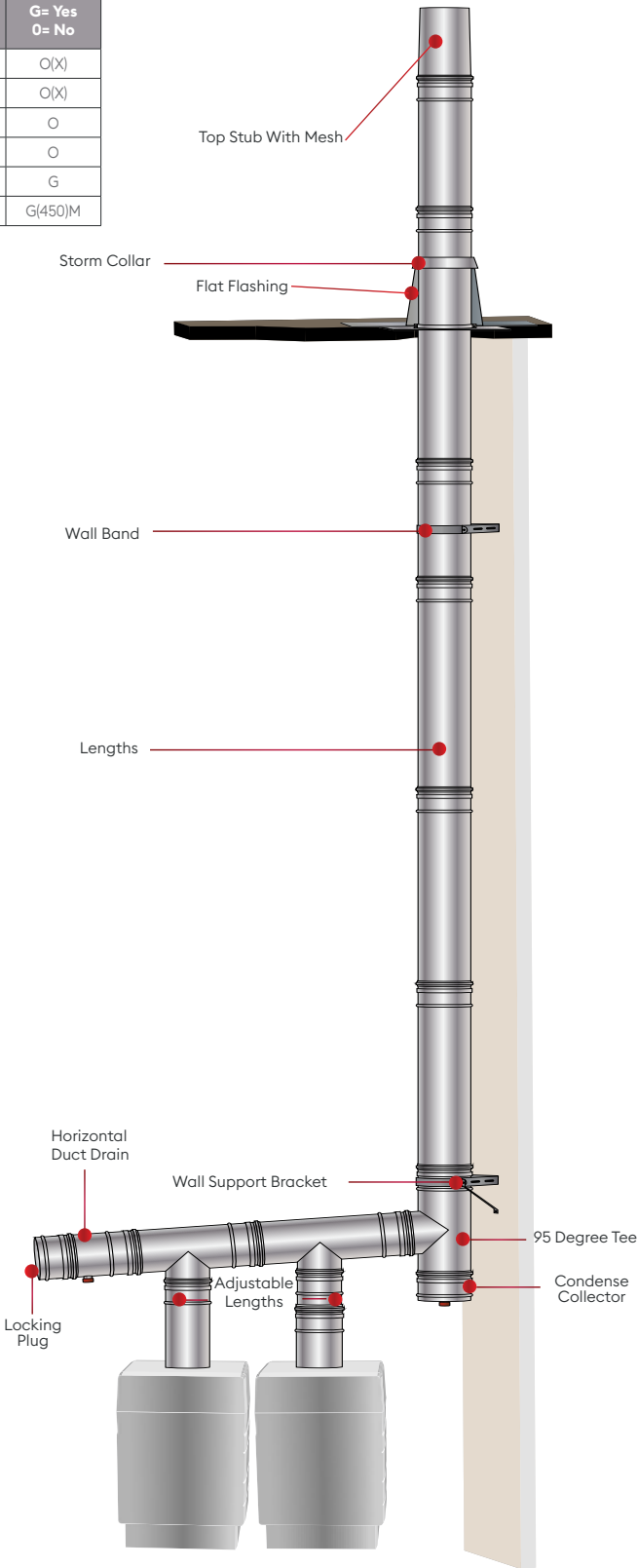
All components are manufactured under a quality management system, certificate No. FM557622, administered by British Standards in accordance with ISO 9001: 2015. In addition, SFL operate a CE approved factory production control system as required under the Construction Products Regulation.

Construction

The entire SUPRA PLUS system is manufactured from 0.5mm thick corrosion-resistant grade 316L stainless steel and is manufactured using a fully welded construction together with precision formed close tolerance joints. Condensate and pressure resistance is achieved by a factory fitted three lip elastomer seal located in a recess within the female end.

Warranty

SUPRA PLUS is backed by a comprehensive 20-year manufacturing defects warranty. The 20-year warranty is a measure of our confidence in the manufactured quality and installed reliability of our flue systems and gives added peace of mind for any installation.



IMPORTANT (Always Read The Installation Instructions)

For detailed information regarding design, installation and application of this product, please refer to the separate installation instructions available on the website which can also be accessed from the QR code on page 18.

Partner with us, succeed together.

Need assistance with your residential or commercial flue project? Our team of experienced experts is here to help at every stage. We offer product selection and design assistance, conduct system surveys, and work with key installation partners to provide bespoke turnkey packages tailored to your needs.

www.sflchimneys.com  
info@sflchimneys.com  
01271 326633

# Adaptors

## Appliance Adaptor

Used to connect the SUPRA PLUS product to the appliance. The interface between the Adaptor and the appliance outlet should be sealed with silicone sealant when used on condensing appliances, unless the appliance incorporates a seal at the outlet.



| Ø     | A(mm) | B(mm) | OD  | Code    |
|-------|-------|-------|-----|---------|
| 80mm  | 55    | 105   | 77  | 4119308 |
| 100mm | 55    | 105   | 97  | 4119310 |
| 130mm | 55    | 105   | 127 | 4119313 |
| 150mm | 55    | 105   | 147 | 4119315 |
| 180mm | 55    | 105   | 177 | 4119318 |
| 200mm | 55    | 105   | 197 | 4119320 |
| 250mm | 55    | 105   | 247 | 4119325 |
| 300mm | 55    | 105   | 297 | 4119330 |
| 350mm | 55    | 105   | 347 | 4119335 |

## SUPRA PLUS - Nova Adaptor

Designed to facilitate connection from the SUPRA PLUS to NOVA chimney system.



| Ø                             | Code    |
|-------------------------------|---------|
| 80mm SUPRA PLUS to 100mm NOVA | 4179608 |
| 100mm                         | 4179610 |
| 130mm                         | 4179613 |
| 150mm                         | 4179615 |
| 180mm                         | 4179618 |
| 200mm                         | 4179620 |
| 250mm                         | 4179625 |
| 300mm                         | 4179630 |
| 350mm                         | 4179635 |

## NOVA - SUPRA PLUS Adaptor

Designed to facilitate connection from the NOVA chimney system to SUPRA PLUS.

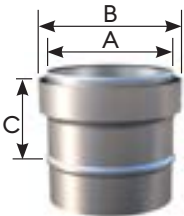


| Ø                             | Code    |
|-------------------------------|---------|
| 80mm SUPRA PLUS to 100mm NOVA | 4179608 |
| 100mm                         | 4179710 |
| 130mm                         | 4179713 |
| 150mm                         | 4179715 |
| 180mm                         | 4179718 |
| 200mm                         | 4179720 |
| 250mm                         | 4179725 |
| 300mm                         | 4179730 |
| 350mm                         | 4179735 |

# SUPRA PLUS

## Adaptor to Flex (PI)

Used to connect the SUPRA PLUS product to a generic liner providing it meets the dimension of the adaptor. Supplied with easy fit clamping band.

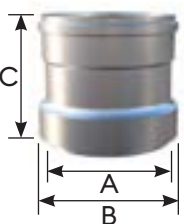


| Ø     | A(mm) | B(mm) | C(mm) | Code    |
|-------|-------|-------|-------|---------|
| 100mm | 96    | 113   | 88    | 4111710 |
| 130mm | 121   | 138   | 88    | 4111713 |
| 150mm | 146   | 163   | 88    | 4111715 |
| 180mm | 171   | 190   | 88    | 4111718 |
| 200mm | 196   | 213   | 88    | 4111720 |
| 250mm | 246   | 263   | 88    | 4111725 |
| 300mm | 296   | 313   | 88    | 4111730 |
| 350mm | 346   | 363   | 88    | 4111735 |

## Adaptor from Flex (PI)

Used to connect the SUPRA PLUS product from a generic liner, providing it meets the dimension of the adaptor. Supplied with an easy fit clamping band.

| Ø     | A(mm) | B(mm) | C(mm) | Code    |
|-------|-------|-------|-------|---------|
| 100mm | 96    | 113   | 138   | 4112110 |
| 130mm | 121   | 138   | 138   | 4112113 |
| 150mm | 146   | 163   | 138   | 4112115 |
| 180mm | 171   | 193   | 138   | 4112118 |
| 200mm | 196   | 213   | 138   | 4112120 |
| 250mm | 246   | 263   | 138   | 4112125 |
| 300mm | 296   | 313   | 138   | 4112130 |
| 350mm | 346   | 363   | 138   | 4112135 |



## 80mm SUPRA PLUS - 100mm Flex Adaptor (PI)

Used to connect from 80mm SUPRA PLUS to 100mm generic flexible chimney liner. Supplied with easy fit clamping band.



| Ø  | A(mm) | B(mm) | C(mm) | Code    |
|----|-------|-------|-------|---------|
| 80 | 96    | 113   | 117   | 4117908 |

## SUPRA PLUS to SELFEX Screwed Adaptor (PI)

Used to connect from SUPRA PLUS to SELFLEX flexible chimney liner. Features a screwed connection for ease of installation. Suitable for PI W applications, refer to installation instruction.



| Ø   | A(mm) | Code    |
|-----|-------|---------|
| 130 | 82    | 0592312 |
| 150 | 82    | 0592315 |

# Lengths



## Straight Lengths

Available in 'nominal' installed lengths of 1245mm, 974mm, 474mm, 224mm and 98mm.

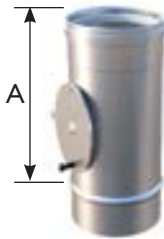
| Ø     | Code    |         |         |
|-------|---------|---------|---------|
|       | 1245mm  | 974mm   | 474mm   |
| 80mm  | 4109908 | 4110108 | 4110208 |
| 100mm | 4109910 | 4110110 | 4110210 |
| 130mm | 4109913 | 4110113 | 4110213 |
| 150mm | 4109915 | 4110115 | 4110215 |
| 180mm | 4109918 | 4110118 | 4110218 |
| 200mm | 4109920 | 4110120 | 4110220 |
| 250mm | 4109925 | 4110125 | 4110225 |
| 300mm | 4109930 | 4110130 | 4110230 |
| 350mm | 4109935 | 4110135 | 4110235 |

| Ø     | Code    |         |
|-------|---------|---------|
|       | 224mm   | 98mm    |
| 80mm  | 4110308 | 4110708 |
| 100mm | 4110310 | 4110710 |
| 130mm | 4110313 | 4110713 |
| 150mm | 4110315 | 4110715 |
| 180mm | 4110318 | 4110718 |
| 200mm | 4110320 | 4110720 |
| 250mm | 4110325 | 4110725 |
| 300mm | 4110330 | 4110730 |
| 350mm | 4110335 | 4110735 |

## Probe Length

224mm installed length featuring a test point, closed via a 1/4" BSP screw.

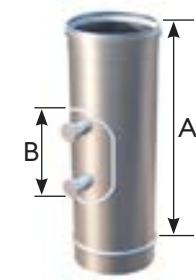
| Ø     | Code    |
|-------|---------|
| 80mm  | 4110908 |
| 100mm | 4110910 |
| 130mm | 4110913 |
| 150mm | 4110915 |
| 180mm | 4110918 |
| 200mm | 4110920 |
| 250mm | 4110925 |
| 300mm | 4110930 |
| 350mm | 4110935 |



## Damper Length (PI Only)

Used to increase resistance in a system or at appliance connection. This is not a reflux device and is manually set. The damper blade provides a maximum closure of 70%. Only suitable for positive pressure applications up to 200 Pa (PI).

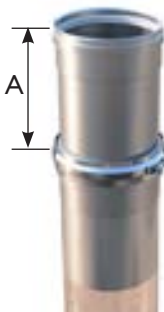
| Ø     | A   | Code    |
|-------|-----|---------|
| 100mm | 230 | 4119610 |
| 130mm | 230 | 4119613 |
| 150mm | 230 | 4119615 |
| 180mm | 230 | 4119618 |
| 200mm | 230 | 4119620 |
| 250mm | 230 | 4119625 |



## Inspection Length (PI Only)

Designed to be installed within the system to allow access for inspection and cleaning. Must only be used where the flue gas temperature will not exceed 200°C. For high temperature (NI) applications the door seal must be removed prior to installation.

| Ø     | A   | B   | Code    |
|-------|-----|-----|---------|
| 80mm  | 475 | 100 | 4111008 |
| 100mm | 475 | 100 | 4111010 |
| 130mm | 475 | 180 | 4111013 |
| 150mm | 475 | 200 | 4111015 |
| 180mm | 475 | 200 | 4111018 |
| 200mm | 475 | 200 | 4111020 |
| 250mm | 475 | 200 | 4111025 |
| 300mm | 475 | 200 | 4111030 |
| 350mm | 475 | 200 | 4111035 |



## Adjustable Length

Designed to be used to make up a required length between two components. It should only be used with a standard length which must be ordered separately. Adjustable Lengths are supplied with a special Gasket Set which must be used for condensing and positive pressure applications. Adjustable Lengths can be cut to size on site if required.

| Ø     | A MIN | A MAX | Code    |
|-------|-------|-------|---------|
| 80mm  | 63    | 306   | 4114408 |
| 100mm | 63    | 296   | 4114410 |
| 130mm | 63    | 281   | 4114413 |
| 150mm | 63    | 271   | 4114415 |
| 180mm | 63    | 243   | 4114418 |
| 200mm | 63    | 233   | 4114420 |
| 250mm | 63    | 208   | 4114425 |
| 300mm | 63    | 183   | 4114430 |
| 350mm | 63    | 158   | 4114435 |



## Locking Bands

A locking band is required for each component with a female end. Locking Bands are not supplied with the product and need to be ordered separately, please see page 14 and 15.

# Tees



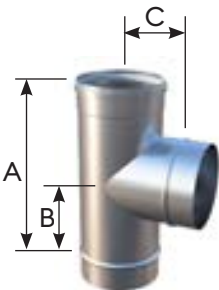
## 90° Tee

Used to provide a 90° connection in a system or can be used as an access / inspection point when used with a Tee Cap

| Ø     | A   | B   | C   | Code    |
|-------|-----|-----|-----|---------|
| 80mm  | 285 | 131 | 90  | 4110508 |
| 100mm | 285 | 131 | 90  | 4110510 |
| 130mm | 315 | 146 | 105 | 4110513 |
| 150mm | 335 | 156 | 115 | 4110515 |
| 180mm | 365 | 171 | 130 | 4110518 |
| 200mm | 387 | 183 | 142 | 4110520 |
| 250mm | 437 | 208 | 167 | 4110525 |
| 300mm | 484 | 215 | 190 | 4110530 |
| 350mm | 534 | 255 | 215 | 4110535 |

## 93° Equal Tee

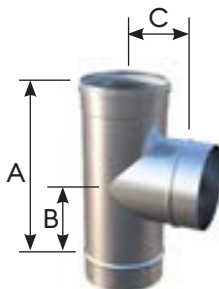
The tee is provided with a 3° connection on the branch to allow for condensate drainage.



| Ø     | A   | B   | C   | Code    |
|-------|-----|-----|-----|---------|
| 80mm  | 285 | 131 | 90  | 4110608 |
| 100mm | 285 | 131 | 90  | 4110610 |
| 130mm | 315 | 146 | 105 | 4110613 |
| 150mm | 335 | 156 | 115 | 4110615 |
| 180mm | 365 | 171 | 130 | 4110618 |
| 200mm | 387 | 183 | 142 | 4110620 |
| 250mm | 437 | 208 | 167 | 4110625 |
| 300mm | 484 | 215 | 190 | 4110630 |
| 350mm | 534 | 255 | 215 | 4110635 |

## 95° Equal Tee

The tee is provided with a 5° connection on the branch to allow for condensate drainage.



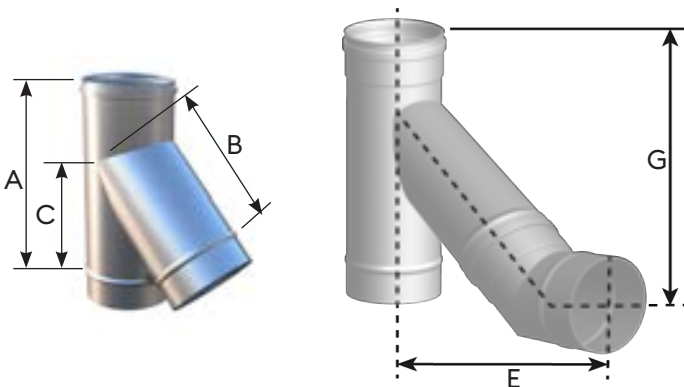
| Ø     | A   | B   | C   | Code    |
|-------|-----|-----|-----|---------|
| 80mm  | 285 | 131 | 90  | 4119108 |
| 100mm | 285 | 131 | 90  | 4119110 |
| 130mm | 315 | 146 | 105 | 4119113 |
| 150mm | 335 | 156 | 115 | 4119115 |
| 180mm | 365 | 171 | 130 | 4119118 |
| 200mm | 387 | 183 | 142 | 4119120 |
| 250mm | 437 | 208 | 167 | 4119125 |
| 300mm | 484 | 215 | 190 | 4119130 |
| 350mm | 534 | 255 | 215 | 4119135 |

# SUPRA PLUS

## 135° Equal Tee

Used to provide a 45° connection in a system or as a chimney entry point. Can be used as an access / inspection point when used with a Tee Cap, or as a drain when fitted with a Tee Cap with Drain.

| Ø     | A   | B   | C   | Code     |
|-------|-----|-----|-----|----------|
| 80mm  | 226 | 129 | 129 | 4112208N |
| 100mm | 253 | 153 | 153 | 4112210N |
| 130mm | 296 | 189 | 189 | 4112213N |
| 150mm | 325 | 213 | 213 | 4112215N |
| 180mm | 367 | 249 | 249 | 4112218N |
| 200mm | 395 | 274 | 274 | 4112220N |
| 250mm | 465 | 334 | 334 | 4112225N |
| 300mm | 536 | 393 | 393 | 4112230N |
| 350mm | 607 | 455 | 455 | 4112235N |

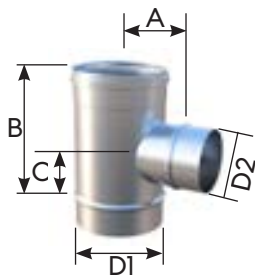


Dimensions with 45° Elbow Added

| Ø     | E   | G   |
|-------|-----|-----|
| 80mm  | 250 | 193 |
| 100mm | 274 | 214 |
| 130mm | 311 | 250 |
| 150mm | 335 | 273 |
| 180mm | 371 | 310 |
| 200mm | 395 | 335 |
| 250mm | 455 | 395 |
| 300mm | 523 | 475 |
| 350mm | 583 | 536 |



# Reducing Tees

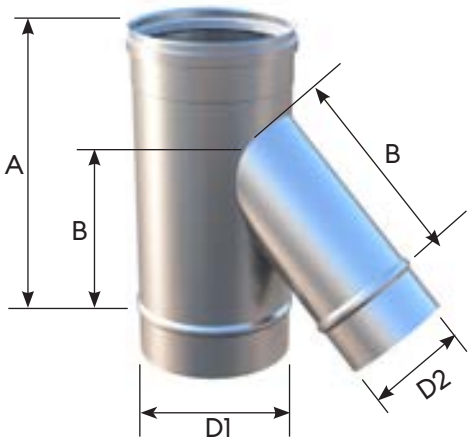


 Bespoke sizes can be manufactured to order

| Body Ø D1 | Branch Ø D2 | A   | B   | C   | 90°      | 93°      | 95°      |
|-----------|-------------|-----|-----|-----|----------|----------|----------|
| 100       | 80          | 83  | 198 | 72  | 4159001N | 4159301N | 4159501N |
| 130       | 80          | 98  | 198 | 72  | 4159004N | 4159304N | 4159504N |
| 130       | 100         | 98  | 218 | 82  | 4159005N | 4159305N | 4159505N |
| 150       | 80          | 108 | 198 | 72  | 4159009N | 4159309N | 4159509N |
| 150       | 100         | 108 | 218 | 83  | 4159012N | 4159312N | 4159512N |
| 150       | 130         | 108 | 248 | 97  | 4159016N | 4159316N | 4159516N |
| 180       | 80          | 123 | 198 | 72  | 4159017N | 4159317N | 4159517N |
| 180       | 100         | 123 | 218 | 82  | 4159019N | 4159319N | 4159519N |
| 180       | 130         | 123 | 248 | 97  | 4159022N | 4159322N | 4159522N |
| 180       | 150         | 123 | 268 | 107 | 4159023N | 4159323N | 4159523N |
| 200       | 80          | 133 | 198 | 72  | 4159024N | 4159324N | 4159524N |
| 200       | 100         | 133 | 218 | 82  | 4159026N | 4159326N | 4159526N |
| 200       | 130         | 133 | 248 | 97  | 4159028N | 4159328N | 4159528N |
| 200       | 150         | 133 | 268 | 107 | 4159029N | 4159329N | 4159529N |
| 200       | 180         | 133 | 298 | 122 | 4159031N | 4159331N | 4159531N |
| 250       | 80          | 158 | 198 | 72  | 4159032N | 4159332N | 4159532N |
| 250       | 100         | 158 | 218 | 82  | 4159033N | 4159333N | 4159533N |
| 250       | 130         | 158 | 248 | 97  | 4159036N | 4159336N | 4159536N |
| 250       | 150         | 158 | 268 | 107 | 4159037N | 4159337N | 4159537N |
| 250       | 180         | 158 | 298 | 122 | 4159038N | 4159338N | 4159538N |
| 250       | 200         | 158 | 318 | 132 | 4159039N | 4159339N | 4159539N |
| 300       | 80          | 183 | 198 | 72  | 4159041N | 4159341N | 4159541N |
| 300       | 100         | 183 | 218 | 82  | 4159042N | 4159342N | 4159542N |
| 300       | 130         | 183 | 248 | 97  | 4159043N | 4159343N | 4159543N |
| 300       | 150         | 183 | 268 | 107 | 4159046N | 4159346N | 4159546N |
| 300       | 180         | 183 | 298 | 122 | 4159047N | 4159347N | 4159547N |
| 300       | 200         | 183 | 318 | 132 | 4159048N | 4159348N | 4159548N |
| 300       | 250         | 183 | 368 | 157 | 4159049N | 4159349N | 4159549N |
| 350       | 80          | 208 | 198 | 72  | 4159051N | 4159351N | 4159551N |
| 350       | 100         | 208 | 218 | 82  | 4159052N | 4159352N | 4159552N |
| 350       | 130         | 208 | 248 | 97  | 4159054N | 4159354N | 4159554N |
| 350       | 150         | 208 | 268 | 107 | 4159056N | 4159356N | 4159556N |
| 350       | 180         | 208 | 298 | 122 | 4159057N | 4159357N | 4159557N |
| 350       | 200         | 208 | 318 | 132 | 4159058N | 4159358N | 4159558N |
| 350       | 250         | 208 | 368 | 157 | 4159059N | 4159359N | 4159559N |
| 350       | 300         | 208 | 418 | 182 | 4159061N | 4159361N | 4159561N |

# Reducing Tees

## 135° Reducing Tee



 Bespoke sizes can be manufactured to order

# SUPRA PLUS

| Body Ø D1 | Branch Ø D2 | A   | B   | Code    |
|-----------|-------------|-----|-----|---------|
| 100       | 80          | 253 | 153 | 4161008 |
| 130       | 80          | 296 | 187 | 4161308 |
| 130       | 100         | 296 | 187 | 4161310 |
| 150       | 80          | 325 | 213 | 4161508 |
| 150       | 100         | 325 | 213 | 4161510 |
| 150       | 130         | 325 | 213 | 4161513 |
| 180       | 80          | 367 | 249 | 4161808 |
| 180       | 100         | 367 | 249 | 4161810 |
| 180       | 130         | 367 | 249 | 4161813 |
| 180       | 150         | 367 | 249 | 4161815 |
| 200       | 80          | 395 | 249 | 4162008 |
| 200       | 100         | 395 | 274 | 4162010 |
| 200       | 130         | 395 | 274 | 4162013 |
| 200       | 150         | 395 | 274 | 4162015 |
| 200       | 180         | 395 | 274 | 4162018 |
| 250       | 80          | 465 | 334 | 4162508 |
| 250       | 100         | 465 | 334 | 4162510 |
| 250       | 130         | 465 | 334 | 4162513 |
| 250       | 150         | 465 | 334 | 4162515 |
| 250       | 180         | 465 | 334 | 4162518 |
| 250       | 200         | 465 | 334 | 4162520 |
| 300       | 80          | 536 | 393 | 4163008 |
| 300       | 100         | 536 | 393 | 4163010 |
| 300       | 130         | 536 | 393 | 4163013 |
| 300       | 150         | 536 | 393 | 4163015 |
| 300       | 180         | 536 | 393 | 4163018 |
| 300       | 200         | 536 | 393 | 4163020 |
| 300       | 250         | 536 | 393 | 4163025 |
| 350       | 80          | 607 | 455 | 4163508 |
| 350       | 100         | 607 | 455 | 4163510 |
| 350       | 130         | 607 | 455 | 4163513 |
| 350       | 150         | 607 | 455 | 4163515 |
| 350       | 180         | 607 | 455 | 4163518 |
| 350       | 200         | 607 | 455 | 4163520 |
| 350       | 250         | 607 | 455 | 4163525 |
| 350       | 300         | 607 | 455 | 4163530 |

# Tee Components

## Tee Cap

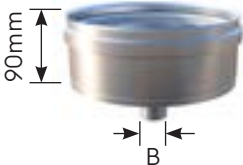
Used to close off the branch / base of a tee or the end of a header/manifold. Held in position with a Locking Band.



| Ø     | Code    |
|-------|---------|
| 80mm  | 4114908 |
| 100mm | 4114910 |
| 130mm | 4114913 |
| 150mm | 4114915 |
| 180mm | 4114918 |
| 200mm | 4114920 |
| 250mm | 4114925 |
| 300mm | 4114930 |
| 350mm | 4114935 |

## Tee Cap with Drain

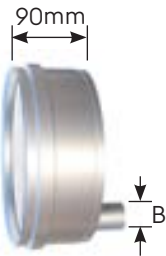
Used at the bottom of a vertical run, usually under a tee, to facilitate drainage from the system. The component includes a stainless steel BSP connection to allow drainage pipework to be connected.



| Ø     | B      | Code    |
|-------|--------|---------|
| 80mm  | 1" BSP | 4114308 |
| 100mm | 1" BSP | 4114310 |
| 130mm | 1" BSP | 4114313 |
| 150mm | 1" BSP | 4114315 |
| 180mm | 1" BSP | 4114318 |
| 200mm | 1" BSP | 4114320 |
| 250mm | 1" BSP | 4114325 |
| 300mm | 1" BSP | 4114330 |
| 350mm | 1" BSP | 4114335 |

## Tee Cap with Offset Drain

As the previous item, but with a drain on the rim.



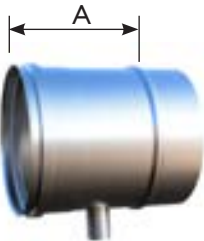
| Ø     | B      | Code    |
|-------|--------|---------|
| 80mm  | 1" BSP | 4116908 |
| 100mm | 1" BSP | 4116910 |
| 130mm | 1" BSP | 4116913 |
| 150mm | 1" BSP | 4116915 |
| 180mm | 1" BSP | 4116918 |
| 200mm | 1" BSP | 4116920 |
| 250mm | 1" BSP | 4116925 |
| 300mm | 1" BSP | 4116930 |
| 350mm | 1" BSP | 4116935 |



## Horizontal Duct Drain c/w Cap

Used as a drainage point on the end of an inclined manifold or inclined run. Incorporates a 1" BSP stainless steel externally threaded drain connection and cap. The end cap is not removable.

| Ø     | A(mm) | Code    |
|-------|-------|---------|
| 80mm  | 116   | 4111808 |
| 100mm | 116   | 4111810 |
| 130mm | 116   | 4111813 |
| 150mm | 116   | 4111815 |
| 180mm | 116   | 4111818 |
| 200mm | 116   | 4111820 |
| 250mm | 116   | 4111825 |
| 300mm | 116   | 4111830 |
| 350mm | 116   | 4111835 |



## Horizontal Duct Drain

Used as a drainage connection within an inclined manifold or inclined run. Incorporates a 1" BSP stainless steel externally threaded drain connection and internal dam.

| Ø     | A(mm) | Code    |
|-------|-------|---------|
| 80mm  | 132   | 4110808 |
| 100mm | 132   | 4110810 |
| 130mm | 132   | 4110813 |
| 150mm | 132   | 4110815 |
| 180mm | 132   | 4110818 |
| 200mm | 132   | 4110820 |
| 250mm | 132   | 4110825 |
| 300mm | 143   | 4110830 |
| 350mm | 143   | 4110835 |

## Vertical In-line Drain

Used either in a vertically section or with the Appliance Adaptor. The design helps to divert condensates through an external connection, preventing excessive quantities of condensates from entering back into the appliance. The drain connection is provided with a standard 1" BSP externally threaded pipe to facilitate connection to suitable drainage pipe work. Also available with a combined 1/4" BSP probe and cap.



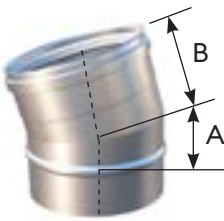
| Ø     | Code    | With Probe Code |
|-------|---------|-----------------|
| 80mm  | 4119008 | 4115108         |
| 100mm | 4119010 | 4115110         |
| 130mm | 4119013 | 4115113         |
| 150mm | 4119015 | 4115115         |
| 180mm | 4119018 | 4115118         |
| 200mm | 4119020 | 4115120         |
| 250mm | 4119025 | 4115125         |
| 300mm | 4119030 | 4115130         |
| 350mm | 4119035 | 4115135         |

# Elbows

# SUPRA PLUS

## 15° Elbow

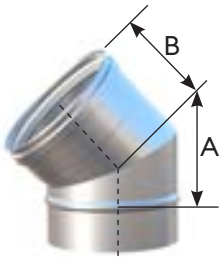
Used to provide a 15° change of direction from the vertical.



| Ø     | A  | B   | Code     |
|-------|----|-----|----------|
| 80mm  | 28 | 77  | 4112508N |
| 100mm | 30 | 78  | 4112510N |
| 130mm | 32 | 81  | 4112513N |
| 150mm | 33 | 82  | 4112515N |
| 180mm | 35 | 84  | 4112518N |
| 200mm | 36 | 85  | 4112520N |
| 250mm | 40 | 88  | 4112525N |
| 300mm | 54 | 100 | 4112530N |
| 350mm | 56 | 105 | 4112535N |

## 45° Elbow

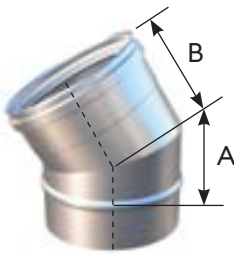
Used to provide a 45° change of direction from the vertical.



| Ø     | A   | B   | Code     |
|-------|-----|-----|----------|
| 80mm  | 30  | 88  | 4112308N |
| 100mm | 30  | 93  | 4112310N |
| 130mm | 36  | 99  | 4112313N |
| 150mm | 50  | 103 | 4112315N |
| 180mm | 57  | 109 | 4112318N |
| 200mm | 61  | 113 | 4112320N |
| 250mm | 71  | 124 | 4112325N |
| 300mm | 95  | 144 | 4112330N |
| 350mm | 105 | 154 | 4112335N |

## 30° Elbow

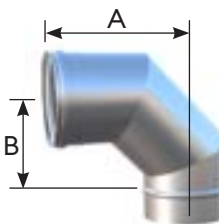
Used to provide a 30° change of direction from the vertical.



| Ø     | A  | B   | Code     |
|-------|----|-----|----------|
| 80mm  | 34 | 83  | 4119808N |
| 100mm | 37 | 86  | 4119810N |
| 130mm | 41 | 90  | 4119813N |
| 150mm | 43 | 92  | 4119815N |
| 180mm | 47 | 96  | 4119818N |
| 200mm | 49 | 99  | 4119820N |
| 250mm | 57 | 106 | 4119825N |
| 300mm | 73 | 122 | 4119830N |
| 350mm | 80 | 129 | 4119835N |

## 85° Elbow

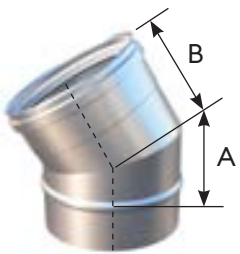
Provides an 85° change of direction from the vertical. Also used on wet systems to allow a 5° fall to aid drainage back through the system.



| Ø     | A   | B   | Code     |
|-------|-----|-----|----------|
| 80mm  | 150 | 115 | 4112708N |
| 100mm | 158 | 125 | 4112710N |
| 130mm | 171 | 142 | 4112713N |
| 150mm | 182 | 151 | 4112715N |
| 180mm | 196 | 166 | 4112718N |
| 200mm | 205 | 176 | 4112720N |
| 250mm | 228 | 202 | 4112725N |
| 300mm | 252 | 227 | 4112730N |
| 350mm | 275 | 253 | 4112735N |

## 40° Elbow

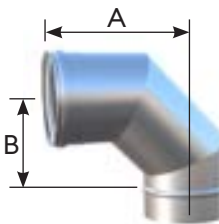
Used to provide a 40° change of direction from the vertical.



| Ø     | A  | B   | Code     |
|-------|----|-----|----------|
| 80mm  | 38 | 83  | 4119808N |
| 100mm | 37 | 86  | 4119810N |
| 130mm | 43 | 92  | 4119813N |
| 150mm | 47 | 96  | 4119815N |
| 180mm | 52 | 101 | 4119818N |
| 200mm | 56 | 105 | 4119820N |
| 250mm | 65 | 114 | 4119825N |
| 300mm | 87 | 132 | 4119830N |
| 350mm | 97 | 141 | 4119835N |

## 87° Elbow

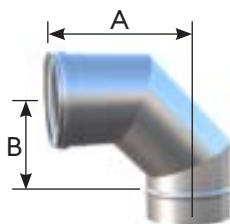
Provides an 87° change of direction from the vertical. Also used on wet systems to allow a 3° fall to aid drainage back through the system.



| Ø     | A   | B   | Code     |
|-------|-----|-----|----------|
| 80mm  | 150 | 111 | 4113208N |
| 100mm | 160 | 121 | 4113210N |
| 130mm | 174 | 136 | 4113213N |
| 150mm | 183 | 146 | 4113215N |
| 180mm | 198 | 211 | 4113218N |
| 200mm | 207 | 171 | 4113220N |
| 250mm | 231 | 196 | 4113225N |
| 300mm | 255 | 211 | 4113230N |
| 350mm | 278 | 246 | 4113235N |

## 90° Elbow

Used to provide a 90° change of direction from the vertical.



| Ø     | A   | B   | Code     |
|-------|-----|-----|----------|
| 80mm  | 155 | 105 | 4112808N |
| 100mm | 160 | 110 | 4112810N |
| 130mm | 175 | 125 | 4112813N |
| 150mm | 185 | 135 | 4112815N |
| 180mm | 200 | 150 | 4112818N |
| 200mm | 210 | 160 | 4112820N |
| 250mm | 235 | 185 | 4112825N |
| 300mm | 260 | 210 | 4112830N |
| 350mm | 285 | 235 | 4112835N |



## Reducers

Reducers are used to reduce the diameter of the preceding system, e.g. 150ID to 130ID.

| D1    | D2    | B   | Code    |
|-------|-------|-----|---------|
| 100mm | 80mm  | 157 | 4112608 |
| 130mm | 100mm | 157 | 4112610 |
| 150mm | 130mm | 157 | 4112613 |
| 180mm | 150mm | 157 | 4112615 |
| 200mm | 150mm | 157 | 4112918 |
| 200mm | 180mm | 157 | 4112618 |
| 250mm | 200mm | 157 | 4112620 |
| 300mm | 200mm | 157 | 4112920 |
| 300mm | 250mm | 157 | 4112625 |
| 350mm | 300mm | 157 | 4112630 |

## Increasers & Reducers

### Increaser

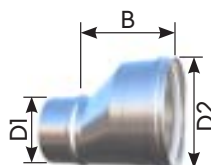
Increases are used to increase the diameter of the preceding system, e.g. 130ID to 150ID.



| D1    | D2    | B   | Code    |
|-------|-------|-----|---------|
| 80mm  | 100mm | 157 | 4113008 |
| 80mm  | 130mm | 157 | 4113108 |
| 80mm  | 150mm | 157 | 4113308 |
| 100mm | 130mm | 157 | 4113010 |
| 100mm | 150mm | 157 | 4113110 |
| 130mm | 150mm | 157 | 4113013 |
| 130mm | 180mm | 157 | 4113113 |
| 150mm | 180mm | 157 | 4113015 |
| 150mm | 200mm | 157 | 4113115 |
| 150mm | 250mm | 157 | 4113315 |
| 180mm | 200mm | 157 | 4113018 |
| 180mm | 250mm | 157 | 4113318 |
| 200mm | 250mm | 157 | 4113020 |
| 200mm | 300mm | 157 | 4113120 |
| 200mm | 350mm | 157 | 4113320 |
| 250mm | 300mm | 157 | 4113025 |
| 250mm | 350mm | 157 | 4113125 |
| 300mm | 350mm | 157 | 4113030 |

### Eccentric Increaser

Used mainly in an inclined run to increase the system diameter whilst preventing potential condensate pooling.



| D1    | D2    | B   | Code     |
|-------|-------|-----|----------|
| 80mm  | 100mm | 100 | 4170808N |
| 80mm  | 130mm | 130 | 4170508N |
| 80mm  | 150mm | 150 | 4170608N |
| 100mm | 130mm | 130 | 4170810N |
| 100mm | 150mm | 150 | 4170610N |
| 100mm | 180mm | 180 | 4170910N |
| 100mm | 200mm | 200 | 4170710N |
| 130mm | 150mm | 150 | 4170813N |
| 130mm | 180mm | 180 | 4170613N |
| 130mm | 200mm | 200 | 4170713N |
| 150mm | 180mm | 180 | 4170715N |
| 150mm | 200mm | 200 | 4170615N |
| 150mm | 250mm | 250 | 4170815N |
| 180mm | 200mm | 200 | 4170818N |
| 200mm | 250mm | 250 | 4170720N |
| 200mm | 300mm | 300 | 4170620N |
| 250mm | 300mm | 300 | 4170725N |
| 250mm | 350mm | 350 | 4170625N |
| 300mm | 350mm | 350 | 4170630N |



All Increasers and Reducers are available as specials to suit the customers individual requirement.



# Support Components

# SUPRA PLUS

## Support Length



The Support Length can serve two applications, firstly allowing a SUPRA PLUS liner to be lowered down a masonry chimney and secondly as a Support Length when used with the Support Plate (with collar removed).

When used to lower a liner down an existing masonry chimney, all the lugs on the Support Length must be used. The maximum length of product that can be supported by the component is 30 metres.

| Ø     | Code    |
|-------|---------|
| 80mm  | 4110408 |
| 100mm | 4110410 |
| 130mm | 4110413 |
| 150mm | 4110415 |
| 180mm | 4110418 |
| 200mm | 4110420 |
| 250mm | 4110425 |
| 300mm | 4110430 |
| 350mm | 4110435 |

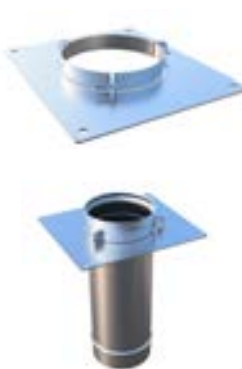
## Bracing Bracket



Used to provide lateral stability back to a support structure. This component is design for use with rigid stays or as a guy wire attachment bracket. The hole diameters for the M6 nuts and bolts are 7mm. Constructed from stainless steel.

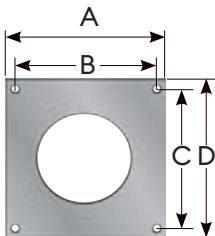
| Ø     | I.D. (mm) | Code    |
|-------|-----------|---------|
| 80mm  | 82        | 4069208 |
| 100mm | 102       | 4069210 |
| 130mm | 132       | 4069213 |
| 150mm | 152       | 4069215 |
| 180mm | 182       | 4069218 |
| 200mm | 202       | 4069220 |
| 250mm | 252       | 4069225 |
| 300mm | 302       | 4069230 |
| 350mm | 352       | 4069235 |

## Support Plate



Consists of a stainless steel plate with a three part support collar. The collar rests on the plate and is located under the female end form of the joint. The three fixing points of the collar rest on the plate, the hole in which being large enough to permit the passage of the male end.

The plate must be adequately supported and secured to a suitable bracket. This component can also be used in conjunction with a Support Length, but the collar would be discarded for this application.

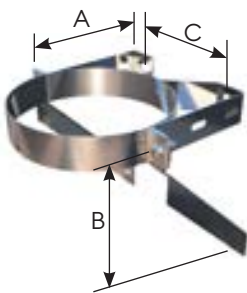


A support must always be used above an Adjustable Length where applied in a vertical application, or where the Adjustable Length would be otherwise liable to load. The maximum length which can be supported by this component is 30 metres.

Fixing holes: M10

| Ø     | A   | B   | C   | D   | Code    |
|-------|-----|-----|-----|-----|---------|
| 80mm  | 147 | 117 | 161 | 191 | 4051108 |
| 100mm | 260 | 230 | 191 | 221 | 4051110 |
| 130mm | 275 | 245 | 208 | 238 | 4051113 |
| 150mm | 300 | 270 | 228 | 258 | 4051115 |
| 180mm | 325 | 295 | 258 | 288 | 4051118 |
| 200mm | 350 | 320 | 278 | 308 | 4051120 |
| 250mm | 400 | 370 | 328 | 358 | 4051125 |
| 300mm | 450 | 420 | 378 | 408 | 4051130 |
| 350mm | 500 | 470 | 428 | 458 | 4051135 |

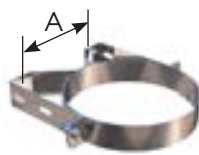
## Wall Support Bracket



The wall band incorporates additional side support struts which can be located below or above the band. In either case the band is located under the female form at a joint between the components. Provides 50mm clearance from the wall. The maximum length which can be supported is 30 metres. Constructed from stainless steel.

| Ø     | A   | B   | C    | Code    |
|-------|-----|-----|------|---------|
| 80mm  | 91  | 114 | 63.5 | 4051208 |
| 100mm | 104 | 124 | 83.5 | 4051210 |
| 130mm | 118 | 158 | 92   | 4051213 |
| 150mm | 128 | 168 | 112  | 4051215 |
| 180mm | 143 | 183 | 142  | 4051218 |
| 200mm | 153 | 193 | 162  | 4051220 |
| 250mm | 178 | 218 | 212  | 4051225 |
| 300mm | 202 | 252 | 266  | 4051230 |
| 350mm | 227 | 277 | 316  | 4051235 |

# Support Components



Provides 50mm clearance to structure

## Wall Band (Stainless Steel)

To be used at intervals not exceeding 2.5 metres to provide lateral stability for both vertical and horizontal installations. Suitable for both internal and external applications.

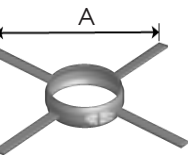
| Ø     | A(mm) | Code    |
|-------|-------|---------|
| 80mm  | 63.5  | 3115084 |
| 100mm | 83.5  | 3115104 |
| 130mm | 92    | 3115134 |
| 150mm | 112   | 3115154 |
| 180mm | 142   | 3115185 |
| 200mm | 162   | 3115205 |
| 250mm | 212   | 3115255 |
| 300mm | 266   | 3115305 |
| 350mm | 316   | 3115355 |



## Adjustable Split Band

Offers support to the chimney system when suspending from the ceiling. The Split Band has adjustable brackets to allow for adjustment for inclines runs. Designed for use with M10 Drop Rods.

| Ø     | Code    |
|-------|---------|
| 80mm  | 3123008 |
| 100mm | 3123100 |
| 130mm | 3123130 |
| 150mm | 3123150 |
| 180mm | 3123180 |
| 200mm | 3123200 |
| 250mm | 3123250 |
| 300mm | 3123300 |
| 350mm | 3123350 |



## Location Band

This component consists of a strap which must be secured underneath a joint. Designed to centrally locate and brace a system within an existing chimney or shaft.

| Ø     | A   | Code    |
|-------|-----|---------|
| 80mm  | 340 | 4117108 |
| 100mm | 375 | 4117110 |
| 130mm | 390 | 4117113 |
| 150mm | 410 | 4117115 |
| 180mm | 540 | 4117118 |
| 200mm | 560 | 4117120 |
| 250mm | 610 | 4117125 |
| 300mm | 660 | 4117130 |
| 350mm | 850 | 4117135 |



Bespoke sizes can be manufactured to order

# Ancillaries



## Replacement Seals

The replacement seals are only suitable for use with the SUPRA PLUS / NOVA product. Please refer to installation instructions on removing and installing replacement seals. Seals are classed as sacrificial and therefore covered by a 12 month manufacturing defects warranty.

| Ø     | Code    |
|-------|---------|
| 80mm  | 4006308 |
| 100mm | 4006310 |
| 130mm | 4006313 |
| 150mm | 4006315 |
| 180mm | 4006318 |
| 200mm | 4006320 |
| 250mm | 4006325 |
| 300mm | 4006330 |
| 350mm | 4006335 |



## Sprung Locking Band

Used for the general assembly of the SUPRA PLUS product. Features a simple sprung toggle locking device for ease of installation. Locking bands must be ordered separately.

| Ø     | Code    |
|-------|---------|
| 80mm  | 4117308 |
| 100mm | 4117310 |
| 130mm | 4117313 |
| 150mm | 4117315 |
| 180mm | 4117328 |
| 200mm | 4117320 |
| 250mm | 4117325 |
| 300mm | 4117330 |
| 350mm | 4117335 |

## Ancillaries

### Heavy Duty Bolted Locking Band



Used mainly where additional bracing and strength is required at the joint, such as when installing offsets etc. Locking bands must be ordered separately.

| Ø     | Code    |
|-------|---------|
| 80mm  | 4117008 |
| 100mm | 4117010 |
| 130mm | 4117013 |
| 150mm | 4117015 |
| 180mm | 4117028 |
| 200mm | 4117020 |
| 250mm | 4117025 |
| 300mm | 4117030 |
| 350mm | 4117035 |

### Adjustable Gasket and Locking Band Kit



Replacement locking band and gasket set used on the adjustable lengths.

| Ø     | Code    |
|-------|---------|
| 80mm  | 4007208 |
| 100mm | 4007210 |
| 130mm | 4007213 |
| 150mm | 4007215 |
| 180mm | 4007218 |
| 200mm | 4007220 |
| 250mm | 4007225 |
| 300mm | 4007230 |
| 350mm | 4007235 |

### Drain Adaptor 1" BSP to 1 1/4" BSP

Use to connect the standard 1" BSP drain connection to a 1 1/4" BSP pipe.

| Ø         | Code    |
|-----------|---------|
| All Sizes | FXSS040 |

### Seal Lubricant

Lubricant must be applied both around the face of the seal and also around the circumference of the male end. Failure to use lubricant could result in damage of the seal when making the joint.



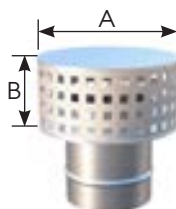
|                        |         |
|------------------------|---------|
| Seal Lubricant (250ml) | 3107500 |
|------------------------|---------|

**Notes:** The SFL Seal Lubricant has been specifically formulated for use with SFL EPDM and Silicone Seals. The use of alternative lubricant is not recommended and may invalidate the product warranty and reduce the working life of the seal.

# SUPRA PLUS

## Terminals

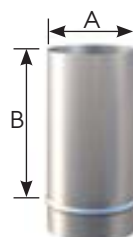
### Gas Terminal



A terminal designed for use where SUPRA PLUS serves conventional gas fired equipment. Incorporates a bird screen/mesh. For condensing and positive pressure applications, a Tapered Top Stub with Mesh is recommended.

| Ø     | A(mm) | B(mm) | Code    |
|-------|-------|-------|---------|
| 80mm  | 90    | 210   | 4116108 |
| 100mm | 90    | 210   | 4116110 |
| 130mm | 115   | 235   | 4116113 |
| 150mm | 115   | 235   | 4116115 |
| 180mm | 220   | 293   | 4116118 |
| 200mm | 220   | 320   | 4116120 |
| 250mm | 198   | 365   | 4116125 |
| 300mm | 234   | 416   | 4116130 |
| 350mm | 288   | 468   | 4116135 |

### Tapered Top Stub

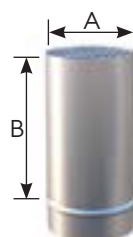


This terminal offers minimal resistance to the evacuation of flue gases and helps to minimise the effects of pluming by slightly increasing the exit velocity.

| Ø     | A(mm) | B(mm) | Code    |
|-------|-------|-------|---------|
| 80mm  | 70    | 241   | 4115808 |
| 100mm | 90    | 241   | 4115810 |
| 130mm | 120   | 241   | 4115813 |
| 150mm | 140   | 241   | 4115815 |
| 180mm | 170   | 241   | 4115818 |
| 200mm | 190   | 241   | 4115820 |
| 250mm | 240   | 241   | 4115825 |
| 300mm | 290   | 241   | 4115830 |
| 350mm | 340   | 241   | 4115835 |

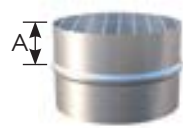
### Tapered Top Stub with Mesh

As above but with a 10mm gas mesh.



| Ø     | A(mm) | B(mm) | Code    |
|-------|-------|-------|---------|
| 80mm  | 70    | 241   | 4116008 |
| 100mm | 90    | 241   | 4116010 |
| 130mm | 120   | 241   | 4116013 |
| 150mm | 140   | 241   | 4116015 |
| 180mm | 170   | 241   | 4116018 |
| 200mm | 190   | 241   | 4116020 |
| 250mm | 240   | 241   | 4116025 |
| 300mm | 290   | 241   | 4116030 |
| 350mm | 340   | 241   | 4116035 |

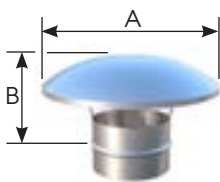
# Terminals



## Parallel Top Stub and Mesh

Suitable for gas condensing appliances. Parallel flow to minimise back pressure on appliance and maintain system velocity. Fitted with 10mm welded stainless steel mesh.

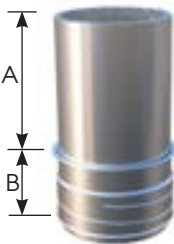
| Ø     | A(mm) | Code    |
|-------|-------|---------|
| 80mm  | 50    | 4155408 |
| 100mm | 50    | 4155410 |
| 130mm | 50    | 4155413 |
| 150mm | 50    | 4155415 |
| 180mm | 50    | 4155418 |
| 200mm | 50    | 4155420 |
| 250mm | 50    | 4155425 |
| 300mm | 50    | 4155430 |
| 350mm | 50    | 4155435 |



## Rain Cap

A basic terminal that offers a degree of protection against rainwater ingress. Not suitable for gas appliances.

| Ø     | A (mm) | B(mm) | Code    |
|-------|--------|-------|---------|
| 80mm  | 200    | 183   | 4155208 |
| 100mm | 200    | 186   | 4155210 |
| 130mm | 255    | 174   | 4155213 |
| 150mm | 305    | 221   | 4155215 |
| 180mm | 365    | 221   | 4155218 |
| 200mm | 406    | 264   | 4155220 |
| 250mm | 507    | 276   | 4155225 |
| 300mm | 614    | 354   | 4155230 |
| 350mm | 716    | 419   | 4155235 |



## SELFLEX Gas Terminal with Mesh

Gas terminal for use with Capping Plate and Flaunching. Ideal for use where SUPRA PLUS connects to SELFLEX when serving a condensing system. Supplied with screwed connection and Support Flange. Mesh size 10mm.

| Ø     | A (mm) | B(mm) | Code    |
|-------|--------|-------|---------|
| 130mm | 149    | 80    | 0592512 |
| 150mm | 149    | 80    | 0592515 |

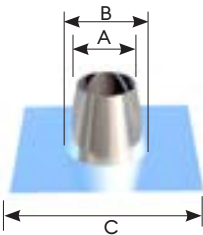
# Flashings

## Aluminium Flashings

SUPRA PLUS uses the standard SFL Flashing range. All flashings are manufactured from malleable aluminium and must be finished with a Storm collar. Where weathering an industrial profiled roof, it is recommended that the MasterFlash is used.

## Flat Flashing

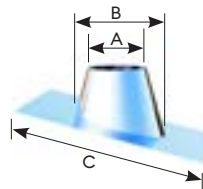
Used for weathering flat roofs.



| Ø     | A   | B   | C   | Code     |
|-------|-----|-----|-----|----------|
| 80mm  | 90  | 180 | 495 | 70000000 |
| 100mm | 110 | 200 | 495 | 70000001 |
| 130mm | 140 | 230 | 495 | 70000005 |
| 150mm | 160 | 250 | 495 | 70000006 |
| 180mm | 190 | 280 | 495 | 70000007 |
| 200mm | 210 | 300 | 495 | 70000009 |
| 250mm | 260 | 350 | 660 | 70000011 |
| 300mm | 310 | 400 | 660 | 70000012 |
| 350mm | 360 | 450 | 660 | 70000013 |

## 5° - 30° Angled Flashing

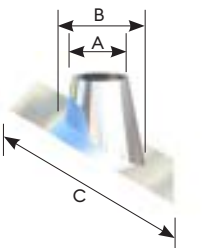
Used for weathering angled roofs.



| Ø     | A   | B   | C   | Code     |
|-------|-----|-----|-----|----------|
| 80mm  | 90  | 180 | 495 | 70053000 |
| 100mm | 110 | 200 | 495 | 70053001 |
| 130mm | 140 | 230 | 495 | 70053005 |
| 150mm | 160 | 250 | 495 | 70053006 |
| 180mm | 190 | 280 | 495 | 70053007 |
| 200mm | 210 | 300 | 495 | 70053009 |
| 250mm | 260 | 350 | 660 | 70053011 |
| 300mm | 310 | 400 | 660 | 70053012 |
| 350mm | 360 | 450 | 660 | 70053013 |

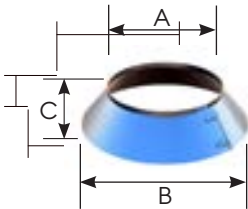
## 30° - 45° Angled Flashing

Used for weathering angled roofs.



| Ø     | A   | B   | C   | Code     |
|-------|-----|-----|-----|----------|
| 80mm  | 90  | 180 | 495 | 70324500 |
| 100mm | 110 | 200 | 495 | 70324501 |
| 130mm | 140 | 230 | 495 | 70324505 |
| 150mm | 160 | 250 | 495 | 70324506 |
| 180mm | 190 | 280 | 495 | 70324507 |
| 200mm | 210 | 300 | 495 | 70324509 |
| 250mm | 260 | 350 | 660 | 70324511 |
| 300mm | 310 | 400 | 660 | 70324512 |
| 350mm | 360 | 450 | 660 | 70324513 |

# Flashings



## Storm Collar

The Storm Collar sits on top of the flashing cone to provide weather protection. Each Storm Collar is provided with a tube of silicone sealant. A bead of sealant must be applied around the top of the Storm Collar where it interfaces with the outside of the chimney to ensure weather protection.

| Ø     | A   | B   | C  | Code     |
|-------|-----|-----|----|----------|
| 80mm  | 82  | 195 | 70 | 70123400 |
| 100mm | 102 | 201 | 70 | 70123401 |
| 130mm | 132 | 231 | 70 | 70123405 |
| 150mm | 152 | 251 | 70 | 70123406 |
| 180mm | 182 | 281 | 70 | 70123407 |
| 200mm | 202 | 301 | 70 | 70123409 |
| 250mm | 252 | 330 | 70 | 70123411 |
| 300mm | 302 | 351 | 70 | 70123412 |
| 350mm | 352 | 401 | 70 | 70123413 |



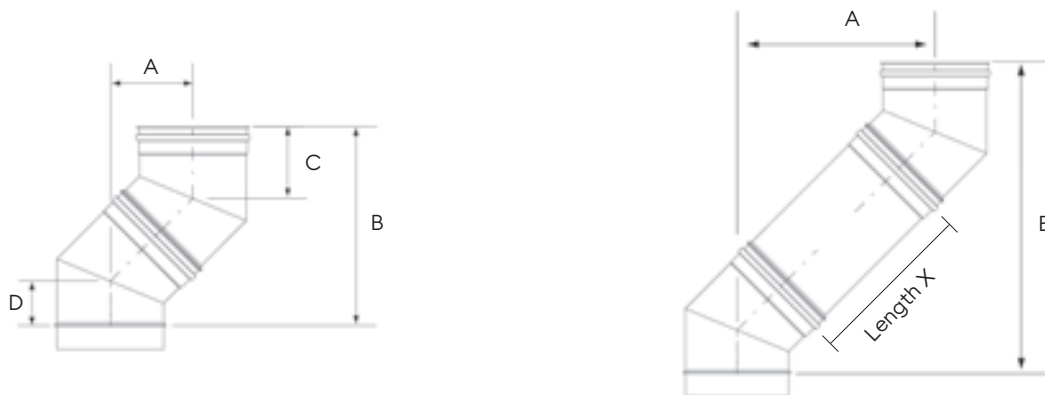
## MasterFlash

The MasterFlash is designed primarily for corrugated and heavily profiled roofs. The cone is manufactured from rubber and is easily trimmed on site to suit the external diameter of the chimney. A fixing kit/s is supplied with each flashing.

| Ø     | Code    |
|-------|---------|
| 80mm  | 4911003 |
| 100mm | 4911003 |
| 130mm | 4911003 |
| 150mm | 4911004 |
| 180mm | 4911005 |
| 200mm | 4911005 |
| 250mm | 4911006 |
| 300mm | 4911008 |
| 350mm | 4911009 |



## Elbow Offset Dimensions



|       | Elbow To Elbow |     |     |    | Elbow To Elbow With Standard Length X |     |       |     |       |     |       |      |        |      |
|-------|----------------|-----|-----|----|---------------------------------------|-----|-------|-----|-------|-----|-------|------|--------|------|
| 15°   |                |     |     |    | 98mm                                  |     | 224mm |     | 474mm |     | 974mm |      | 1245mm |      |
| Ø     | A              | B   | C   | D  | A                                     | B   | A     | B   | A     | B   | A     | B    | A      | B    |
| 80mm  | 27             | 206 | 77  | 28 | 53                                    | 303 | 85    | 423 | 150   | 664 | 279   | 1147 | 335    | 1297 |
| 100mm | 28             | 212 | 78  | 30 | 54                                    | 309 | 86    | 429 | 151   | 670 | 280   | 1153 | 335    | 1301 |
| 130mm | 29             | 222 | 81  | 32 | 55                                    | 319 | 87    | 439 | 152   | 680 | 281   | 1163 | 336    | 1307 |
| 150mm | 30             | 226 | 82  | 33 | 56                                    | 323 | 88    | 442 | 152   | 684 | 282   | 1167 | 336    | 1309 |
| 180mm | 31             | 234 | 84  | 35 | 57                                    | 331 | 89    | 450 | 153   | 692 | 283   | 1175 | 337    | 1313 |
| 200mm | 31             | 238 | 85  | 36 | 57                                    | 334 | 89    | 454 | 154   | 696 | 283   | 1179 | 337    | 1317 |
| 250mm | 33             | 252 | 88  | 40 | 59                                    | 348 | 91    | 468 | 156   | 709 | 285   | 1192 | 339    | 1326 |
| 300mm | 40             | 303 | 100 | 54 | 66                                    | 399 | 98    | 519 | 163   | 761 | 292   | 1244 | 343    | 1360 |
| 350mm | 42             | 317 | 105 | 56 | 68                                    | 413 | 100   | 533 | 164   | 774 | 294   | 1257 | 344    | 1366 |

| 30°   |     |     |     |    | 98mm |     | 224mm |     | 474mm |     | 974mm |      | 1245mm |      |
|-------|-----|-----|-----|----|------|-----|-------|-----|-------|-----|-------|------|--------|------|
| Ø     | A   | B   | C   | D  | A    | B   | A     | B   | A     | B   | A     | B    | A      | B    |
| 80mm  | 59  | 218 | 83  | 34 | 109  | 305 | 171   | 412 | 296   | 629 | 546   | 1062 | 681    | 1297 |
| 100mm | 62  | 230 | 86  | 37 | 112  | 316 | 174   | 424 | 299   | 640 | 549   | 1073 | 684    | 1308 |
| 130mm | 66  | 244 | 90  | 41 | 116  | 331 | 178   | 438 | 303   | 655 | 553   | 1088 | 688    | 1323 |
| 150mm | 68  | 252 | 92  | 43 | 118  | 339 | 180   | 446 | 305   | 662 | 555   | 1095 | 690    | 1330 |
| 180mm | 72  | 267 | 96  | 47 | 122  | 353 | 184   | 461 | 309   | 677 | 559   | 1110 | 694    | 1345 |
| 200mm | 75  | 278 | 99  | 50 | 125  | 365 | 187   | 472 | 312   | 689 | 562   | 1122 | 697    | 1356 |
| 250mm | 82  | 300 | 106 | 57 | 132  | 391 | 194   | 498 | 319   | 715 | 569   | 1148 | 704    | 1382 |
| 300mm | 98  | 364 | 122 | 73 | 148  | 450 | 210   | 558 | 335   | 774 | 585   | 1207 | 720    | 1440 |
| 350mm | 105 | 390 | 129 | 80 | 155  | 477 | 217   | 584 | 342   | 800 | 592   | 1234 | 727    | 1466 |

| 45°   |     |     |     |     | 98mm |     | 224mm |     | 474mm |     | 974mm |      | 1245mm |      |
|-------|-----|-----|-----|-----|------|-----|-------|-----|-------|-----|-------|------|--------|------|
| Ø     | A   | B   | C   | D   | A    | B   | A     | B   | A     | B   | A     | B    | A      | B    |
| 80mm  | 91  | 219 | 88  | 40  | 161  | 289 | 249   | 377 | 426   | 554 | 779   | 907  | 972    | 1102 |
| 100mm | 94  | 227 | 93  | 40  | 165  | 298 | 252   | 385 | 429   | 562 | 783   | 916  | 972    | 1102 |
| 130mm | 103 | 248 | 99  | 46  | 173  | 318 | 261   | 406 | 438   | 583 | 791   | 936  | 981    | 1123 |
| 150mm | 108 | 261 | 103 | 50  | 179  | 332 | 267   | 420 | 443   | 596 | 797   | 950  | 986    | 1136 |
| 180mm | 117 | 283 | 109 | 57  | 188  | 354 | 276   | 442 | 453   | 619 | 806   | 972  | 996    | 1160 |
| 200mm | 123 | 297 | 113 | 61  | 194  | 368 | 281   | 455 | 458   | 632 | 812   | 986  | 1002   | 1174 |
| 250mm | 138 | 333 | 124 | 71  | 209  | 404 | 296   | 491 | 473   | 668 | 827   | 1022 | 1016   | 1208 |
| 300mm | 169 | 408 | 144 | 95  | 240  | 479 | 327   | 566 | 504   | 743 | 858   | 1097 | 1050   | 1290 |
| 350mm | 183 | 442 | 154 | 105 | 254  | 513 | 342   | 601 | 518   | 777 | 872   | 1131 | 1064   | 1324 |

**IMPORTANT**  
(Always Read The Product Installation Instructions)



For detailed information regarding design, installation and application data for this product, scan the QR code and download the full SUPRA PLUS Installation Instructions from our website at [www.sflchimneys.com](http://www.sflchimneys.com).

# RESIDENTIAL

Vitreous Enamel

SVIT



Quick Installation



Brand Compatibility



No Sealant Required



Year Product Warranty

**SVIT®** is a vitreous enamel-coated steel connecting flue pipe designed to facilitate the connection between a multi-fuel appliance, an existing brick chimney or a prefabricated twin wall chimney system. It offers a smooth, aesthetically pleasing joint, without the need for additional locking bands or fire cement and is available in 100mm, 125mm, 150mm, 180mm & 200mm.

Twin Wall / Air Gap Insulation

IL



125-150mm Diameter



T250 Rating



Multi-Fuel Appliances

**IL®** is a twin wall air gap insulated prefabricated domestic and light commercial gas vent system suitable for gas appliances, with draught-hoods or with a flue gas temperature not exceeding 250°C and zero or negative pressure in the flue. Lengths and fittings push and twist lock together to provide strong rigid flue systems and ensure maximum ease of site assembly.

Flexible Liner

SELFLEX



V2 Corrosion Resistant



P1 / N Rating



Brand Compatibility

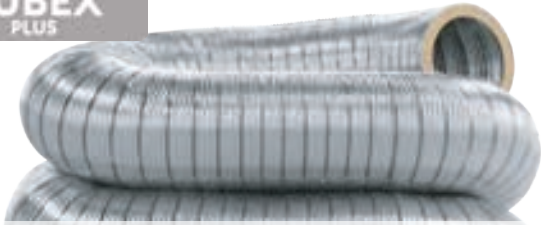


Year Product Warranty

**SELFLEX®** is a double skin multi-fuel flexible chimney liner suitable for multi-fuel, gas, and oil-fired applications up to a maximum flue gas temperature of 600°C. CE marked to EN 1856-2. The SELFLEX® family range is suitable for the relining of masonry flues and used with wood, multi-fuel stoves and open fires and is available in three different specifications including 0.1mm 904L, 0.12mm 316L and 0.1mm 316L.

Insulated Flexible Liner

TUBEX PLUS



V2 Corrosion Resistant



Brand Compatibility



125-150mm Diameter



Product Warranty

**TUBEX PLUS®** is a unique insulated flexible liner for multi-fuel applications that allows maximum flexibility and ease of installation, the insulated core offers excellent thermal resistance to maximise natural draft to ensure optimum efficiency of the appliance with its 13mm high density insulation layer. Ideal for use on modern high-efficiency wood burning and multi-fuel appliance and application.

Single Wall / Connecting Flue

SIGMA



Quick Installation



Brand Compatibility



T600 Rating



Year Product Warranty

**SIGMA®** is a stainless-steel single wall connecting flue pipe for use with multi-fuel appliances, brick chimneys, twin wall systems and flexible liners. Available in four diameters 127mm, 152mm, 178mm and 203mm manufactured for wood and multi-fuel burning appliances it has a gas-tight joint that negates the need for fire cement or rope. Manufactured from 1mm 316L for optimum long term performance.

Twin Wall / Twist Lock

SFLUE



T450 Rating



Brand Compatibility



127-203mm Diameter



Year Product Warranty

**S-FLUE®** is a stainless steel insulated twin wall chimney system. Ideally suited for use on multi-fuel stoves and heating equipment. Offered in natural stainless steel or a satin black finish. Features an 8-barb twist lock jointing system for added strength and ease of installation.

# COMMERCIAL

Twin Wall / Push Fit



5000Pa  
T600 Dry



Easy To  
Install



No Bellows



Ideal For  
Gen-Sets

Single Wall / Push Fit

**SUPRA**  
PLUS



Multi-Fuel  
Appliances



Up To  
5000Pa



T600 Dry  
T200 Wet



Quick  
Installation



Year Product  
Warranty

Twin Wall / Twist Lock

**NOVA**



EI90  
Fire Rated



Up To  
5000Pa



T600 Dry  
T200 Wet



Multi-Fuel  
Appliances



Year Product  
Warranty

Twin Wall / Flanged

**EUROPA**  
PLUS



EI180  
Fire Rated



14,945Pa @ 760°C  
T600 Dry & Wet



CE, UKCA,  
UL ULC



Ø100 - Ø1200mm  
Diameters



Year Product  
Warranty

KEPLER HPT is a push-fit twin wall insulated high pressure generator exhaust system suitable for high temperature / high pressure dry non-condensing applications. Supplied as standard with a 50mm high density insulated annulus. Due to its unique design, the KEPLER HPT generator system does not require expansion components, such as expansion bellows. Available in a range of sizes covering Ø80 - Ø600.

**SUPRA PLUS®** is a British built single wall chimney system designed specifically for today's modern high efficiency appliances that operate under positive pressure and condensing conditions.

Manufactured in 9 diameters ranging from 80mm to 350mm and consists of a range of lengths and fittings which simply push-fit together, and which are secured with a locking band. Seals are factory fitted and bonded for ease of installation. Available with a wide range of support components that cater for both lateral and vertical structural loading of the product. Extended range available from 400mm to 600mm.

**NOVA®** is a pre-fabricated, factory-made twin-wall, insulated stainless steel chimney system. Suitable for condensing and positive pressure applications and is specifically designed to meet the demands of the latest high-efficiency heating appliances as well as traditional gas and oil-fired combustion equipment. With its unique multi-barb twist-lock jointing system.

Manufactured in 8 internal diameters, ranging from 100mm to 355mm and consists of a wide range of components, together with a strong 16-barb twist lock jointing system, NOVA offers the ultimate in ease of installation and functionality. With its strong joint design, NOVA can achieve a maximum unsupported height of 3.0 metres above the last support (2.0 m for DN100), without the need for structural locking bands.

NOVA is fire resistance tested to BS EN 1366-13 and holds the following classification:

EI 90 (o → i) h<sub>o</sub> v<sub>e</sub>

NOVA has also been fire resistance tested for a period of 4 hours under the integrity criteria of BS476 Part 20.

**EUROPA PLUS®** is a high pressure and high temperature chimney / exhaust system suitable for continuous operating temperatures of up to 600°C continuous and 750°C intermittent. Suitable for positive pressure systems up to 5000Pa (H1) and UL tested up to 14,945Pa.

It is offered as a double walled prefabricated 316L stainless steel chimney system, available in a range of insulation thickness to meet the most demanding applications. As standard, EUROPA PLUS incorporates a 25mm high performance insulated cavity, with the option to increase the cavity thickness to 50mm and 100mm for applications that demand critically controlled surface temperatures.

**EUROPA PLUS®** is fire resistance tested to the requirements of BS EN1366-13 up to 600mm:

EI 180 (o → i) h<sub>o</sub> v<sub>e</sub>

Above 600mm EUROPA PLUS is fire resistance tested to the integrity and stability requirement of BS 476 Part 24 for a period of 4 hours.

[www.sflchimneys.com](http://www.sflchimneys.com)

# About SFL

**British manufacturer of flues & chimneys for residential & commercial applications for more than 50 years.**

## **Commercial Solutions and Project Assistance**

For large-scale installations in commercial buildings, we manufacture a range of flue systems with ease of install at the centre of your design. From complex header configurations to large-diameter stacks, we can accommodate almost every requirement for any application.

At SFL, we work with carefully selected installation partners to ensure your turnkey package is carried out on time within budget by seasoned professionals.

We're committed to offering industry-leading technical support services, throughout the whole process of design, manufacture, and supply of your upcoming project. Our experienced team are on hand to assist you at every stage of your project. From initial product selection to flue routing and calculations.

## **Residential Solutions**

From wood burning & multi-fuel stoves to gas fires & oil boilers, our time-honoured brands of flues and chimneys have been a mainstay of domestic heating for decades. We work with a network of distribution partners providing high-quality residential flue and chimney components for easy installation. With fast delivery times and comprehensive product warranties, we ensure that your requirements are met with quality and reliability.

## **SFL Head Office & Manufacturing Facility**

**SFL Flues & Chimneys  
Pottington Business Park  
Barnstaple  
Devon  
EX31 1LZ**

Tel: **+44 (0) 1271 326633**  
Email: **info@sflchimneys.com**  
Web: **www.sflchimneys.com**



## At the forefront of flue and chimney manufacturing and technology.

Since 1969 SFL have been leading the way in flue and chimney innovation and technology. Our portfolio of trusted chimney and flues brands are known throughout the world for their engineering excellence. We offer industry-leading technical support services throughout the whole process of design, manufacture, and supply for commercial, domestic, and industrial applications, with uncompromised customer service.

We are proud of our British built heritage at SFL. Our manufacturing centre is based in Barnstaple, Devon, UK, alongside our extensive R&D centre, ensuring continuous product development and testing to the latest Standards.

SFL is part of the Sphering group, Sphering is an EU market maker with renowned expertise in design, manufacturing and distribution of advanced air and flue care systems.

### **WeLab®**

As a committed company determined to play an active role towards the environment and society, the Group has its own R&D centre: WeLab®. This facility has allowed the group to comply with the newest European standards (including the NZEB: nearly zero energy building) in terms of security and performance of appliances, but also to adopt a responsible innovation approach. With our WeLab®, we have developed test rigs based on minimum requirements in order to guarantee our clients the highest levels of security and performance.

SFL branded products are synonymous with the highest quality – it is this reputation that enables specifiers, contractors, and householders to use our products with total confidence.

**NOVA®**

**SUPRA PLUS®**

**EUROPA PLUS®**

**SFLUE®**

**NEXUS®**

**SVIT®**

**SELFLEX®**

**TUBEX PLUS®**

**IL®**

**SIGMA®**

**Over 50 years** of industry leading experience in the flue and chimney market.



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