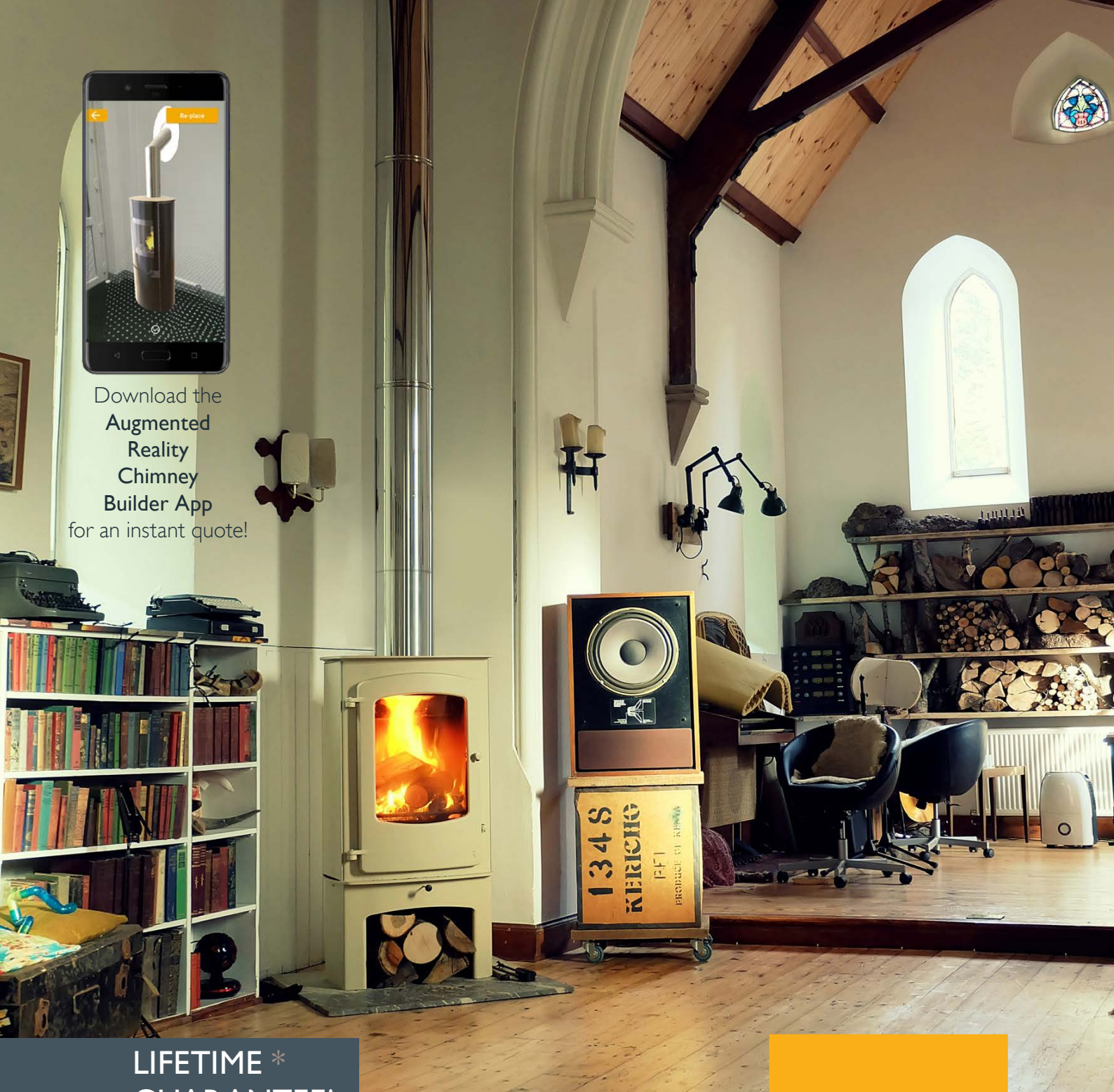




Download the  
Augmented  
Reality  
Chimney  
Builder App  
for an instant quote!



LIFETIME \*  
GUARANTEE!

## ICID Plus

100-200mm Diameter Range  
Twin Wall Insulated System Chimney  
for Gas, Oil, Wood and Multi-fuel



DON'T FORGET TO REGISTER YOUR INSTALLATIONS  
AND START EARNING SCHIEDEL INSTALLER REWARDS  
See inside for more details

**SCHIEDEL**

# Product Description

Our ICID range has evolved into a multi-application system adaptable for Dry (D), Fu (W) and even Positive Pressure (P) applications.

At Schiedel, we pride ourselves on our technology and innovation and this heating season introduce our evolutionary 3-in-1 system:

**ICID Plus** Ideal not only for traditional stoves but also for pellet stoves, biomass appliances, mini/micro CHP and even condensing boilers capable of withstanding positive pressure.

The system is designed so that the outer case is load bearing and the inner liner is free to expand independently, therefore thermal expansion is accommodated within each and every joint of the system.

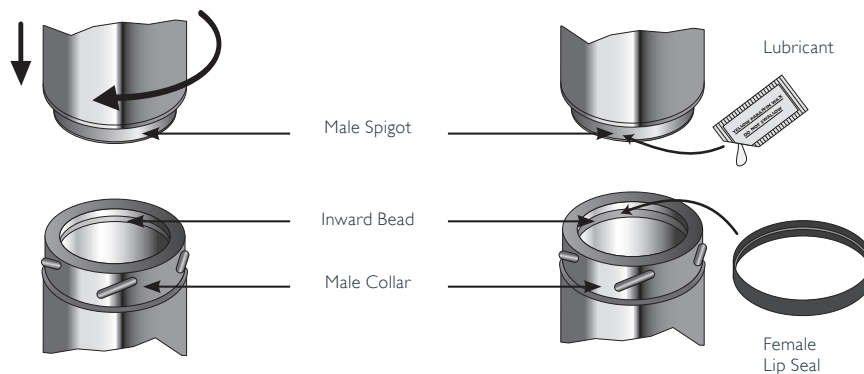
Available in two versions with a choice of either a bright annealed or a matt black painted stainless steel outer case, ICID Plus is available in the following range of diameters:- 100, 125, 150, 180 and 200mm.

Front cover image courtesy of Charlotte Smith from St. Mary's Space showing an ICID system installed by Backwoodsman.

## Joint Design

### ICID PLUS PRODUCT FEATURES

- Twist-lock bayonet jointing system. Secured by locking band.
- Advanced corrosion resistant design and construction uses laser welded 316L stainless steel inner liner and stainless steel case.
- The 25mm of high density mineral wool insulation maintains flue gas temperature, maximising efficiency, improving flue draught on start up and minimising condensation.
- Low external case temperature.
- The inner liner is free to expand through the female collar, allowing for maximum thermal expansion even during a soot fire.
- The inner liner has an engineered design with an inward bead at the female end which acts as a capillary break preventing moisture being drawn through the joint.
- Lip seal packs are available containing a quick fit female lip seal with a grease sachet to allow product to be easily adapted for use in Positive Pressure (P) applications for use on condensing positive pressure appliances.



**WITHOUT LIP SEAL**  
ICID Plus for N rated Negative  
Pressure Applications  
(i.e. Stoves)

**WITH LIP SEAL**  
ICID Plus for P rated Positive  
Pressure Applications  
(i.e. Condensing Boilers)

# Technical Data

|                                    | ICID (without Lip Seal)              | ICID Plus (with Lip Seal) |
|------------------------------------|--------------------------------------|---------------------------|
| Fuel                               | Wood, solid fuel                     | Gas, Oil                  |
| Firing Temp                        | 450°C                                | 200°C                     |
| Short Firing Temp                  | 550°C                                | 250°C                     |
| Thermal Shock                      | 1000°C                               | -                         |
| Mode of Operation                  | Zero & Negative Pressure             | Positive Pressure         |
| Pressure Capabilities              | 40Pa                                 | 200Pa                     |
| Fire Rating                        | 4 Hour Fire Rating to BS 476 Part 20 |                           |
| Outer Case (Standard)              | Stainless Steel                      |                           |
| Outer Case (Option)                | Painted matt black                   |                           |
| Outer Case Thickness               | 0.5mm                                |                           |
| Seam                               | Laser or inert gas welded            |                           |
| Liner                              | 316L : 1.4404 : X2CrNiMo 17-12-2     |                           |
| Liner Thickness (mm)               | 0.5mm                                |                           |
| Seam                               | Laser or inert gas welded            |                           |
| Insulation                         | High performance mineral fibre       |                           |
| Insulation Thickness               | 25mm                                 |                           |
| Average Thermal Resistance (200°C) | 0.4m <sup>2</sup> k/W                |                           |

## CORROSION RESISTANCE

Chimneys are subject to significant corrosion attack by flue gas condensates, particularly from solid fuel. ICID Plus is specifically designed and manufactured to resist this corrosion.

## CHIMNEY DIAMETER

The chimney size should be as recommended by the appliance manufacturer. Where there is a requirement for a flue diameter smaller than the appliance spigot, then the operational requirements of the appliance and the configuration of the flue must satisfy the flue sizing requirements of EN13384-1 for single appliances, and EN13384-2 for multi appliances.

# Approvals

ICID is CE Certified to EN1856-1 TÜV 0036 CPR 9195 010 with designations:

ICID is CE Certified to EN1856-2 TÜV 0036 CPR 9195 042 with designations:



| System Chimney EN1856-1                                                                                        |                                                                                                                                   |                                                               |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| T450 N1 W V2 L50050 G60<br>T450 N1 D V3 L50050 G60<br>60mm Distance to combustibles<br>in a combustible shaft* | T450 N1 W V2 L50050 G50<br>T450 N1 D V3 L50050 G50<br>50mm Distance to combustibles<br>in a non combustible shaft or in free air* | T200 P1 W V2 L50050 O00<br><br>Zero distance to combustibles* |
| Connecting Flue Pipe EN1856-2                                                                                  |                                                                                                                                   |                                                               |
| T450 N1 D V2 L50050 G100 M                                                                                     |                                                                                                                                   |                                                               |

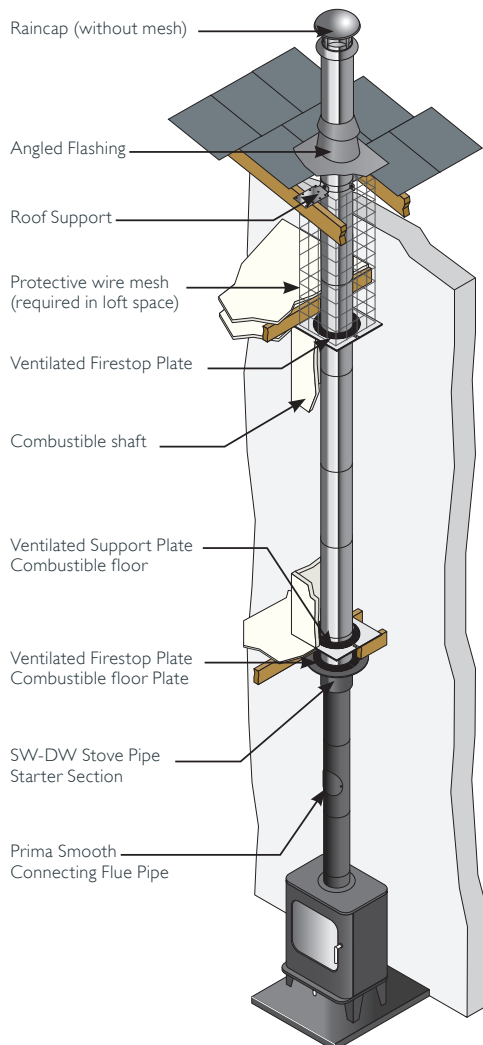
\* For full information refer to p.22 and p.24

- Manufactured under a Quality Management Scheme approved to BS EN ISO 9001
- 4 Hour Fire Rating to BS476 Part 20
- Certified for corrosion resistance on gas, oil and solid fuel by Gastec, MPA and TÜV
- HETAS listed for use on solid fuel applications.

# Typical Installations for Solid Fuel Applications

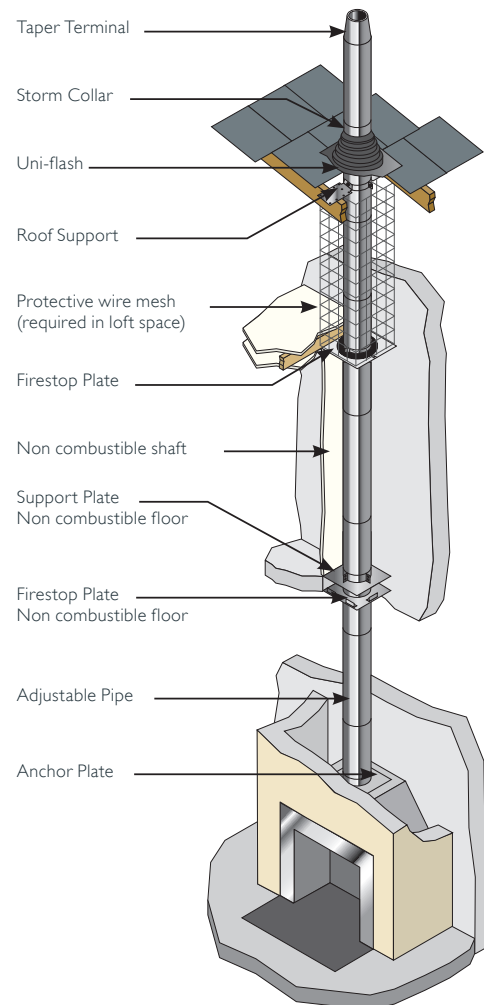
## INTERNAL HOUSE

Combustible Floors



## INTERNAL HOUSE

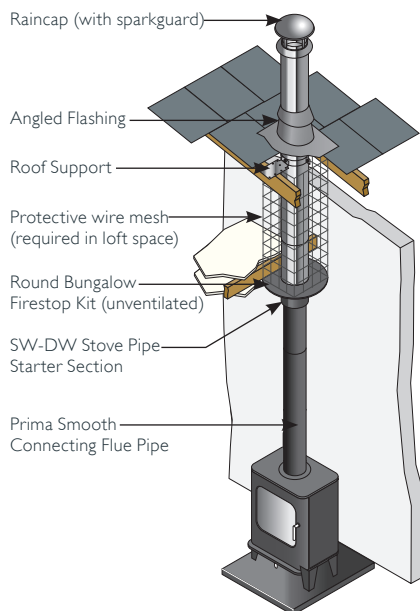
Non Combustible Floors



# Typical Installations for Solid Fuel Applications

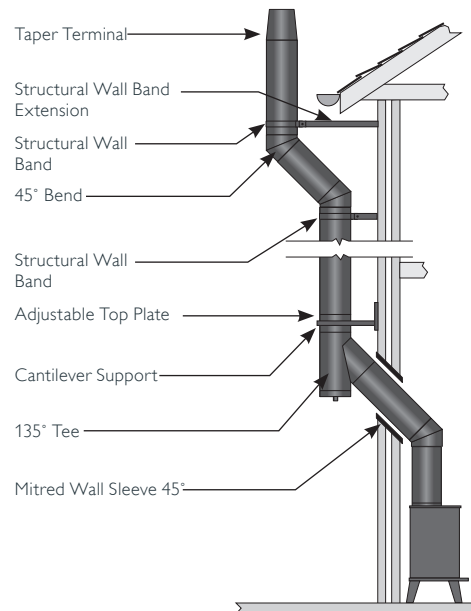
## INTERNAL BUNGALOW (VENTILATED LOFT SPACE)

Combustible and Non-Combustible floors



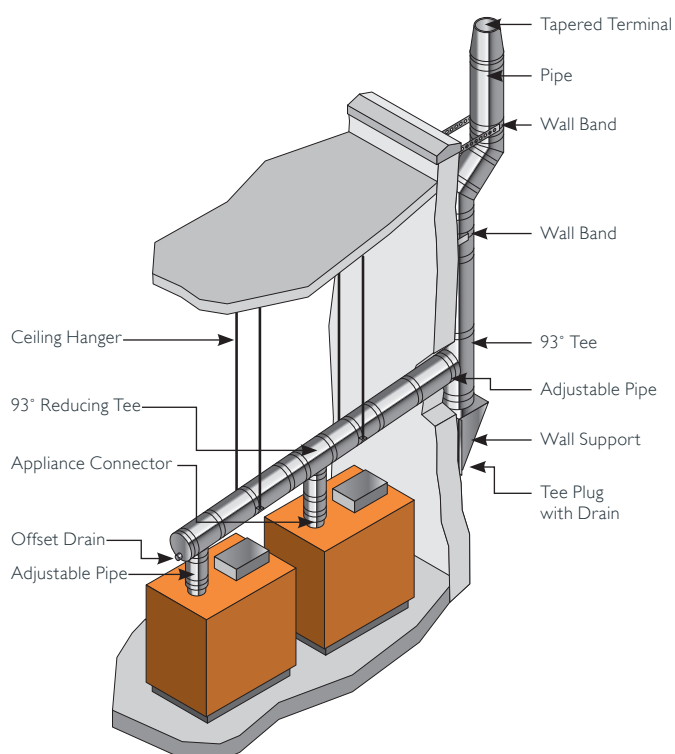
## EXTERNAL

System Chimney

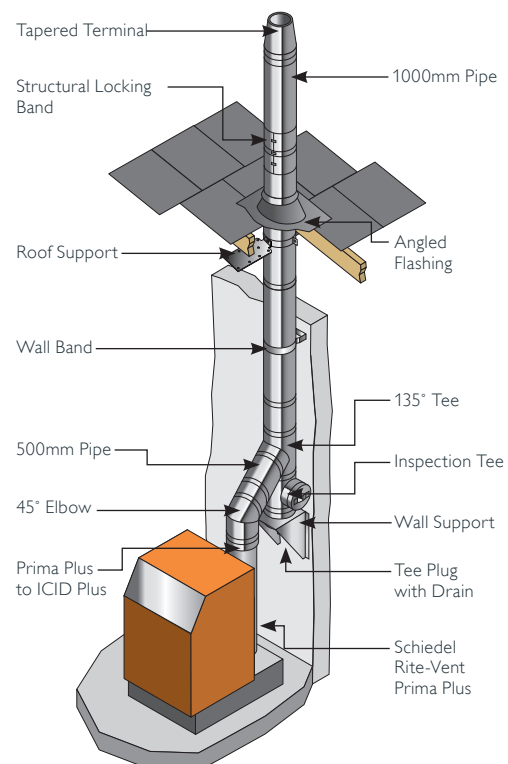


# Typical Installations

## TYPICAL CONDENSING BOILER INSTALLATION



## TYPICAL BIOMASS INSTALLATION



# Gasket kits

(for use in P rated positive pressure applications)



## Female Viton Lip Seal Kit

|          |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|
| Int Ømm  | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm  | 150    | 180    | 200    | 230    | 250    |
| SAP Code | 147322 | 147323 | 147324 | 147325 | 147326 |

This female lip seal must be used on wet positive pressure applications and fits into the inward bead on the female socket on the inside of the liner immediately below the male collar.



## Adjustable Pipe Seal Kit

|          |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|
| Int Ømm  | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm  | 150    | 180    | 200    | 230    | 250    |
| SAP Code | 152135 | 152136 | 152137 | 152138 | 152139 |

This kit consists of a female viton seal which fits into the inward bead on the female socket on the inside of the liner immediately below the male collar and a male viton lip seal which must be fitted into the inward bead of the liner, which is situated in the top half of the 2-piece adjustable pipe, and at the bottom of the liner on the 1-piece adjustable pipe.

# Dimensions

## The dimensions of the flue are:

|         |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|
| Int Ømm | 100 | 125 | 150 | 180 | 200 |
| Ext Ømm | 150 | 180 | 200 | 235 | 256 |

# Finish

Paint - ICID Plus can be supplied painted in any RAL colour (additional costs apply).

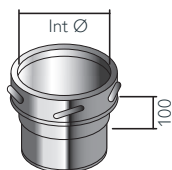
The standard finish for ICID Plus is satin. The option of a matt finish is available on request.

The photo shows an installation from Heatsource with the ICID flue painted to match the appliance colour.

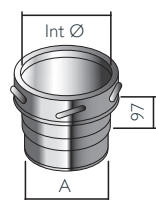
Twitter @heatsourcerer



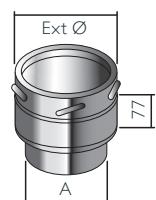
# Starting Components



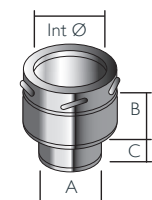
| SW - DW Connector (Open)                                                        |        |        |        |        | DN8A047 |
|---------------------------------------------------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                                                                         | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                                                                         | 150    | 180    | 200    | 235    | 256     |
| This component MUST only be fitted to stove pipe and NOT directly to appliance. |        |        |        |        |         |
| SAP Code Plain                                                                  | 147327 | 125307 | 126082 | 126827 | 127410  |
| SAP Code Black                                                                  | 147328 | 125308 | 126079 | 126825 | COA     |



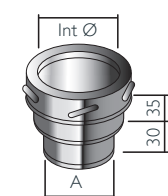
| SW - DW Connector (Closed)                                                      |        |        |        |        | DN8A144 |
|---------------------------------------------------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                                                                         | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                                                                         | 150    | 180    | 200    | 235    | 256     |
| A                                                                               | 97     | 123    | 148    | 177    | 198     |
| This component MUST only be fitted to stove pipe and NOT directly to appliance. |        |        |        |        |         |
| SAP Code Plain                                                                  | 147329 | 125287 | 126060 | 126810 | 127393  |
| SAP Code Black                                                                  | 147330 | 125288 | 126059 | COA    | COA     |



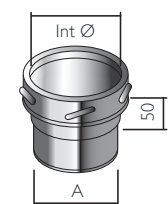
| Insulated Appliance Connector |        |        |        |        |        |
|-------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                       | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                       | 150    | 180    | 200    | 235    | 256    |
| A                             | 97     | 123    | 148    | 177    | 198    |
| SAP Code Plain                | 147406 | 146418 | 146419 | 146420 | 146421 |
| SAP Code Black                | 147405 | 146414 | 146415 | 146416 | 146417 |



| Insulated Increasing Adaptor |     |        |        |        | DN8A136 |
|------------------------------|-----|--------|--------|--------|---------|
| Int Ømm                      | 100 | 125    | 150    | 180    | 200     |
| Ext Ømm                      | 150 | 180    | 200    | 235    | 256     |
| A                            | -   | 98     | 123    | 148    | 178     |
| B                            | -   | 100    | 118    | 116    | 116     |
| C                            | -   | 50     | 50     | 50     | 50      |
| SAP Code Plain               | -   | 125305 | 126077 | 126824 | 127408  |
| SAP Code Black               | -   | 144438 | 126078 | COA    | COA     |

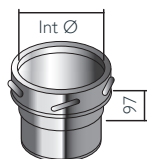


| Uninsulated Increasing Adaptor (SW - DW) |     |        |        |     | DN8A143 |
|------------------------------------------|-----|--------|--------|-----|---------|
| Int Ømm                                  | 100 | 125    | 150    | 180 | 200     |
| Ext Ømm                                  | 150 | 180    | 200    | 235 | 256     |
| A                                        | -   | 98     | 123    | 148 | 178     |
| SAP Code Plain                           | -   | 125320 | 125321 | COA | COA     |
| SAP Code Black                           | -   | 144439 | 125319 | COA | COA     |
| * used on appliances with rear outlet    |     |        |        |     |         |

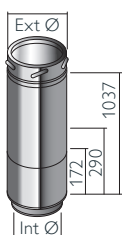


| Adaptor Prima Plus to ICID Plus                                                 |        |        |        |        | S027   |
|---------------------------------------------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                                                         | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                                                         | 150    | 180    | 200    | 235    | 256    |
| A                                                                               | 100    | 130    | 150    | 180    | 200    |
| SAP Code Plain                                                                  | 152140 | 125688 | 126278 | 126967 | 127575 |
| This component MUST only be fitted to stove pipe and NOT directly to appliance. |        |        |        |        |        |

# Starting Components



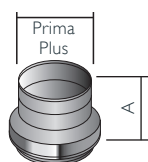
| Adaptor Prima Smooth to ICID Plus (Dry Applications only)                       |     |        |        |        | PS027  |
|---------------------------------------------------------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                                                                         | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                                                                         | 150 | 180    | 200    | 235    | 256    |
| SAP Code Plain                                                                  | -   | 109992 | 110270 | 126981 | 127588 |
| SAP Code Black                                                                  | -   | 109991 | 110268 | 126980 | 127587 |
| This component MUST only be fitted to stove pipe and NOT directly to appliance. |     |        |        |        |        |



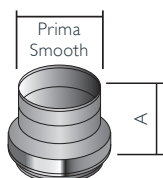
| Double Wall Adjustable Starter Section (1037mm) |     |        |        |        |        |
|-------------------------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                                         | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                                         | 150 | 180    | 200    | 235    | 256    |
| SAP Code Plain                                  | -   | 149644 | 149645 | 149646 | 149647 |
| SAP Code Black                                  | -   | 149648 | 149649 | 149650 | 149651 |



| Double Wall Adjustable Starter Section (600mm) |     |        |        |        |        |
|------------------------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                                        | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                                        | 150 | 180    | 200    | 235    | 256    |
| SAP Code Plain                                 | -   | 152214 | 152215 | 152216 | 152217 |
| SAP Code Black                                 | -   | 152218 | 152219 | 152220 | 152221 |

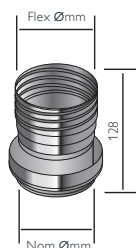


| Adaptor ICID Plus to Prima Plus |        |        |        |        | DN8A113 |
|---------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                         | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                         | 150    | 180    | 200    | 235    | 256     |
| A                               | 132    | 132    | 132    | 134    | 134     |
| SAP Code Plain                  | 147331 | 125292 | 126062 | 126813 | 127396  |



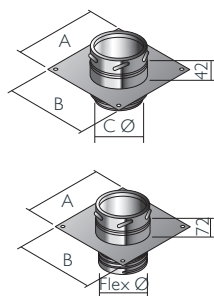
| Adaptor ICID Plus to Prima Smooth (Dry Applications only) |     |        |        |        |        |
|-----------------------------------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                                                   | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                                                   | 150 | 180    | 200    | 235    | 256    |
| A                                                         | -   | 132    | 132    | 134    | 134    |
| SAP Code Plain                                            | -   | 145516 | 145517 | 145518 | 145519 |

# Starting Components



## Screwfit adaptor from ICID Plus to TecnoFlex Plus

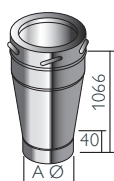
|                |        |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 150    | 180    | 200    |
| Flex Ømm       | 100    | 125    | 150    | 155    | 180    | 200    |
| SAP Code Plain | 174081 | 174082 | 174083 | 174084 | 174085 | 174086 |



## Anchor Plate (Dry Applications only)

DN8A0D6

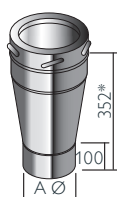
|                |        |         |         |         |         |
|----------------|--------|---------|---------|---------|---------|
| Int Ømm        | 100    | 125     | 150     | 180     | 200     |
| Ext Ømm        | 150    | 180     | 200     | 235     | 256     |
| A              | 250    | 300     | 320     | 355     | 375     |
| B              | 270    | 280     | 300     | 335     | 356     |
| C              | 97     | 123     | 148     | 178     | 198     |
| Flex Ømm       | 125    | 125     | 155     | 180     | 200     |
| SAP Code Plain | -      | 125300* | 126072* | 126774* | 127344* |
| SAP Code Flex  | 147336 | 142587  | 142595  | 142589  | 142590  |
| SAP Code Black | 147337 | 142591  | 142596  | 142593  | 142594  |



## SW-DW Adjustable Starter Section (Long) (Dry Applications only)

|                |        |        |
|----------------|--------|--------|
| Int Ømm        | 125    | 150    |
| Ext Ømm        | 180    | 200    |
| A              | 123    | 148    |
| B              | 1066   | 1066   |
| SAP Code Black | 148507 | 148508 |

This component MUST only be fitted to stove pipe and NOT directly to appliance.



## SW-DW Adjustable Starter Section (Short) (Dry Applications only)

DN8A159

## Increasing SW-DW Adjustable Starter Section\* (Short) (Dry Applications only)

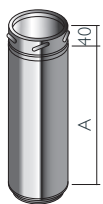
DN8A161

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 125    | 125*   | 150    | 180    | 200    |
| Ext Ømm        | 180    | 200    | 200    | 235    | 256    |
| A              | 123    | 123    | 148    | 178    | 198    |
| B              | 352    | 434    | 352    | 352    | 352    |
| SAP Code Plain | 125340 | 126096 | 126118 | 126850 | 127435 |
| SAP Code Black | 125339 | 131148 | 126117 | 126849 | 127434 |

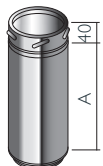
This component MUST only be fitted to stove pipe and NOT directly to appliance.

# Pipes

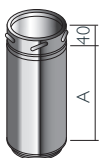
NOTE: Black product MUST not be connected directly to the stove.  
Refer to stove starting components



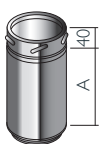
| 1460mm Pipe (1454mm Effective Length) |      |        |        |        | DN8A128 |
|---------------------------------------|------|--------|--------|--------|---------|
| Int Ømm                               | 100  | 125    | 150    | 180    | 200     |
| Ext Ømm                               | 150  | 180    | 200    | 238    | 256     |
| A                                     | 1454 | 1454   | 1454   | 1454   | 1454    |
| SAP Code Plain                        |      | 125253 | 126019 | 126780 | 127350  |
| SAP Code Black                        |      | 125251 | 126017 | 126778 |         |



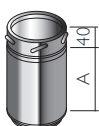
| 960mm Pipe (954mm Effective Length) |        |        |        |        | DN8A001 |
|-------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                             | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                             | 150    | 180    | 200    | 235    | 256     |
| A                                   | 954    | 954    | 954    | 954    | 954     |
| SAP Code Plain                      | 147343 | 125285 | 126058 | 126808 | 127392  |
| SAP Code Black                      | 147338 | 125286 | 126056 | 126809 | 127388  |



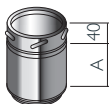
| 750mm Pipe (744mm Effective Length) |        |        |        |        | DN8A157 |
|-------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                             | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                             | 150    | 180    | 200    | 235    | 256     |
| A                                   | 744    | 744    | 744    | 744    | 744     |
| SAP Code Plain                      | 147347 | 125273 | 126045 | 126797 | 127380  |
| SAP Code Black                      | 147342 | 125274 | 126046 | 126798 | 127379  |



| 460mm Pipe (454mm Effective Length) |        |        |        |        | DN8A002 |
|-------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                             | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                             | 150    | 180    | 200    | 235    | 256     |
| A                                   | 454    | 454    | 454    | 454    | 454     |
| SAP Code Plain                      | 147344 | 125269 | 126039 | 126793 | 127376  |
| SAP Code Black                      | 147339 | 125270 | 126037 | 126794 | 127372  |



| 293mm Pipe (287mm Effective Length) |        |        |        |        | DN8A003 |
|-------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                             | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                             | 150    | 180    | 200    | 235    | 256     |
| A                                   | 287    | 287    | 287    | 287    | 287     |
| SAP Code Plain                      | 147345 | 125261 | 126030 | 126786 | 127362  |
| SAP Code Black                      | 147340 | 125262 | 126028 | COA    | 127358  |

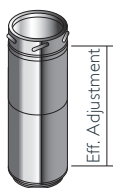


| 160mm Effective Length |        |        |        |        | DN8A004 |
|------------------------|--------|--------|--------|--------|---------|
| Int Ømm                | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                | 150    | 180    | 200    | 235    | 256     |
| A                      | 160    | 160    | 160    | 160    | 160     |
| SAP Code Plain         | 147346 | 125258 | 126025 | 126784 | 127357  |
| SAP Code Black         | 147341 | 125259 | 126023 | COA    | COA     |

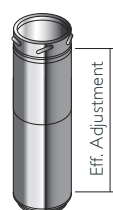


| Adjustable Pipe - 1 Piece 50-230mm                                                                                               |        |        |        |        | DN8A009 |
|----------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                                                                                                                          | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                                                                                                                          | 150    | 180    | 200    | 235    | 256     |
| SAP Code Plain                                                                                                                   | 147351 | 125298 | 126071 | 126819 | 127402  |
| SAP Code Black                                                                                                                   | 147348 | 125294 | 126064 | 126815 | COA     |
| This item is converted for use on wet positive pressure applications by using the Lip Seal Kit for adjustable pipes - see page 6 |        |        |        |        |         |

# Pipes



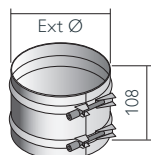
| Telescopic Pipe - 2 Piece 215-310mm                                                                                              |        |        |        |        | DN8A151 |
|----------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                                                                                                                          | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                                                                                                                          | 150    | 180    | 200    | 235    | 256     |
| SAP Code Plain                                                                                                                   | 147352 | 125295 | 126066 | 126816 | 127399  |
| SAP Code Black                                                                                                                   | 147349 | 144441 | 126068 | COA    | COA     |
| This item is converted for use on wet positive pressure applications by using the Lip Seal Kit for adjustable pipes - see page 6 |        |        |        |        |         |



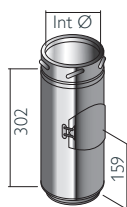
| Telescopic Pipe - 2 Piece 350-570mm                                                                                              |        |        |        |        | DN8A150 |
|----------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                                                                                                                          | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                                                                                                                          | 150    | 180    | 200    | 235    | 256     |
| SAP Code Plain                                                                                                                   | 147353 | 125297 | 126069 | 126818 | 127401  |
| SAP Code Black                                                                                                                   | 147350 | 141888 | 126065 | COA    | 127398  |
| This item is converted for use on wet positive pressure applications by using the Lip Seal Kit for adjustable pipes - see page 6 |        |        |        |        |         |



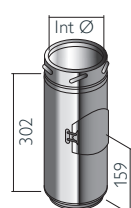
| Locking Band                                                  |        |        |        |        | DN8A083 |
|---------------------------------------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                                                       | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                                                       | 150    | 180    | 200    | 235    | 256     |
| SAP Code Plain                                                | 147354 | 125330 | 126106 | 126842 | 127426  |
| SAP Code Black                                                | 147355 | 125331 | 126107 | COA    | COA     |
| Supplied as standard with all components with a female collar |        |        |        |        |         |



| Structural Locking Band |        |        |        |        | DN8A092 |
|-------------------------|--------|--------|--------|--------|---------|
| Int Ømm                 | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                 | 150    | 180    | 200    | 235    | 256     |
| SAP Code Plain          | 147356 | 125317 | 126092 | 126835 | 127419  |
| SAP Code Black          | 147357 | 125318 | 126093 | COA    | COA     |

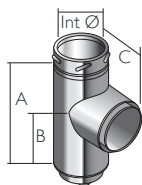


| Inspection Pipe with Test Point (Dry Applications only)                                                                        |     |        |        |        |        |
|--------------------------------------------------------------------------------------------------------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                                                                                                                        | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                                                                                                                        | 150 | 180    | 200    | 235    | 256    |
| SAP Code Plain                                                                                                                 | -   | 148484 | 148485 | 148486 | 148487 |
| SAP Code Black                                                                                                                 | -   | 148488 | 148489 | -      | -      |
| This component incorporates a locking plug with a spring gasket suitable for high temperature T450 rated dry applications only |     |        |        |        |        |



| Inspection Pipe with Test Point (Condensing Applications only)                                                                    |        |        |        |        |        |
|-----------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                                                                                                           | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                                                                                                           | 150    | 180    | 200    | 235    | 256    |
| SAP Code Plain                                                                                                                    | 152142 | 148492 | 148493 | 148494 | 148495 |
| This component incorporates a locking plug with a lip seal gasket suitable for low temperature, max T200 rated applications only. |        |        |        |        |        |

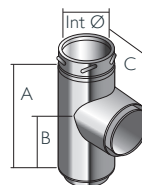
# Tees



## 90° Tee including Drain Cap (Dry Applications only)

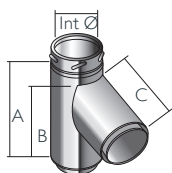
DN8A135

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 282    | 301    | 329    | 354    | 394    |
| B              | 150    | 154    | 162    | 176    | 195    |
| C              | 120    | 133    | 142    | 160    | 170    |
| SAP Code Plain | 147360 | 125282 | 126054 | 126805 | 127387 |
| SAP Code Black | 147359 | 125283 | 126055 | COA    | COA    |



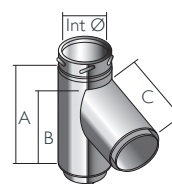
## 93° Tee including Drain Cap (Condensing and Dry Applications)

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 285    | 297    | 322    | 356    | 396    |
| B              | 155    | 158    | 166    | 180    | 201    |
| C              | 121    | 136    | 147    | 167    | 177    |
| SAP Code Plain | 151975 | 148110 | 148112 | 148114 | 148117 |



## 135° Tee including Drain Cap (Condensing and Dry Applications)

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 325    | 336    | 365    | 414    | 444    |
| B              | 254    | 259    | 283    | 326    | 351    |
| C              | 254    | 259    | 283    | 326    | 351    |
| SAP Code Plain | 147362 | 125248 | 126014 | 126776 | 127346 |

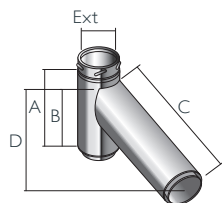


## 135° Tee including Drain Cap (Dry Applications only)

DN8A137

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 325    | 336    | 365    | 414    | 444    |
| B              | 254    | 259    | 283    | 326    | 351    |
| C              | 254    | 259    | 283    | 326    | 351    |
| SAP Code Plain | 147364 | 125249 | 126015 | 126777 | 127347 |
| SAP Code Black | 147365 | 125250 | 126016 | 148190 | 131796 |

# Tees



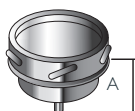
## 135° Long Tee - Adjustable (Dry Applications only)

|                |          |          |
|----------------|----------|----------|
| Int Ømm        | 125      | 150      |
| Ext Ømm        | 180      | 200      |
| A              | 336      | 365      |
| B              | 259      | 283      |
| C Min/Max      | 815/1193 | 841/1219 |
| D Min/Max      | 576/844  | 844/862  |
| SAP Code Plain | 154662   | 154663   |
| SAP Code Black | 154664   | 154665   |



## Tee Plug

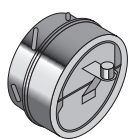
|                |     |        |        |        |        |
|----------------|-----|--------|--------|--------|--------|
| Int Ømm        | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150 | 180    | 200    | 235    | 256    |
| SAP Code Plain | COA | 125343 | 126121 | 126853 | 127438 |
| SAP Code Black | COA | COA    | 126122 | COA    | COA    |



## Tee Plug with Drain

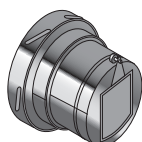
DN8A138

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 61     | 119    | 119    | 119    | 119    |
| SAP Code Plain | 147366 | 125312 | 126088 | 126831 | 127415 |
| SAP Code Black | 147367 | 144440 | 126089 | COA    | COA    |



## Draught Stabiliser

|                |     |        |        |        |        |
|----------------|-----|--------|--------|--------|--------|
| Int Ømm        | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150 | 180    | 200    | 235    | 256    |
| SAP Code Plain | -   | 138143 | 138145 | 149525 | 138147 |
| SAP Code Black | -   | COA    | COA    | COA    | COA    |



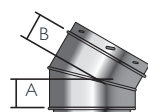
## Draught Stabiliser with Explosion Relief

|                |     |        |        |        |        |
|----------------|-----|--------|--------|--------|--------|
| Int Ømm        | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150 | 180    | 200    | 235    | 256    |
| SAP Code Plain | -   | 149521 | 138148 | 138144 | 149526 |
| SAP Code Black | -   | COA    | COA    | COA    | COA    |

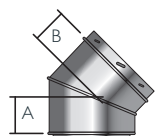
# Bends



| 15° Bend       |        |        |        |        | DN8A018 |
|----------------|--------|--------|--------|--------|---------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256     |
| A              | 60     | 63     | 63     | 63     | 64      |
| B              | 56     | 55     | 56     | 56     | 57      |
| SAP Code Plain | 147372 | 125256 | 126022 | 126782 | 127353  |
| SAP Code Black | 147368 | 125254 | 126020 | COA    | COA     |



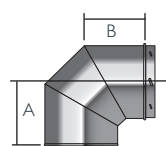
| 30° Bend       |        |        |        |        | DN8A019 |
|----------------|--------|--------|--------|--------|---------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256     |
| A              | 63     | 66     | 70     | 73     | 77      |
| B              | 59     | 57     | 61     | 64     | 68      |
| SAP Code Plain | 147373 | 125264 | 126033 | 126788 | 127366  |
| SAP Code Black | 147369 | 144442 | 126031 | COA    | COA     |



| 45° Bend       |        |        |        |        | DN8A017 |
|----------------|--------|--------|--------|--------|---------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256     |
| A              | 76     | 79     | 83     | 91     | 95      |
| B              | 74     | 70     | 74     | 82     | 86      |
| SAP Code Plain | 147374 | 125267 | 126036 | 126791 | 127371  |
| SAP Code Black | 147370 | 125265 | 126034 | 126789 | 127367  |

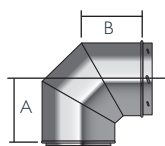


| Structural Locking Band for Bends |        |        |        |        | DN8A155 |
|-----------------------------------|--------|--------|--------|--------|---------|
| Int Ømm                           | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                           | 150    | 180    | 200    | 235    | 256     |
| A                                 | 56     | 56     | 56     | 56     | 56      |
| SAP Code Plain                    | 147376 | 125342 | 126120 | 126852 | 127437  |
| SAP Code Black                    | 147377 | 125341 | 126119 | 126851 | 127436  |

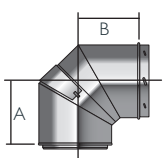


| 90° Bend       |        |        |        |        | DN8A015 |
|----------------|--------|--------|--------|--------|---------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256     |
| A              | 131    | 146    | 156    | 174    | 184     |
| B              | 122    | 137    | 147    | 165    | 175     |
| SAP Code Plain | 147375 | 125277 | 126049 | 126800 | 127382  |
| SAP Code Black | 147371 | 125275 | 126047 | COA    | COA     |

# Bends

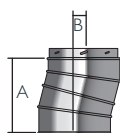


| 87° Bend       |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 125    | 141    | 151    | 196    | 179    |
| B              | 122    | 138    | 147    | 164    | 175    |
| SAP Code Plain | 151971 | 148023 | 148024 | 148025 | 148026 |

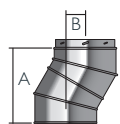


| 90° Inspection Bend (Dry Systems only)126803 |     |        |        |        | DN8A0A2 |
|----------------------------------------------|-----|--------|--------|--------|---------|
| Int Ømm                                      | 100 | 125    | 150    | 180    | 200     |
| Ext Ømm                                      | 150 | 180    | 200    | 235    | 256     |
| A                                            | -   | 184    | 194    | 209    | 219     |
| B                                            | -   | 139    | 149    | 164    | 174     |
| SAP Code Plain                               | -   | 125280 | 126052 | 126803 | 127385  |
| SAP Code Black                               | -   | COA    | COA    | COA    | COA     |

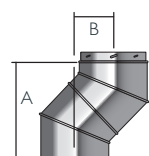
## Typical Offsets (made by assembling 2 bends)



| 15° Offset |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Int Ømm    | 100 | 125 | 150 | 180 | 200 |
| Ext Ømm    | 150 | 180 | 200 | 238 | 256 |
| A          | 228 | 232 | 234 | 234 | 238 |
| B          | 30  | 31  | 31  | 31  | 31  |



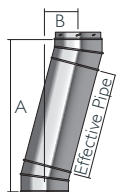
| 30° Offset |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Int Ømm    | 100 | 125 | 150 | 180 | 200 |
| Ext Ømm    | 150 | 180 | 200 | 238 | 256 |
| A          | 228 | 230 | 244 | 256 | 271 |
| B          | 61  | 62  | 65  | 69  | 73  |



| 45° Offset |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Int Ømm    | 100 | 125 | 150 | 180 | 200 |
| Ext Ømm    | 150 | 180 | 200 | 238 | 256 |
| A          | 256 | 254 | 268 | 295 | 309 |
| B          | 106 | 105 | 111 | 122 | 128 |

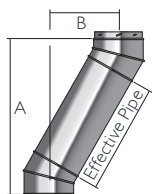
# Typical Offsets

(made by assembling 2 bends and a standard pipe section)



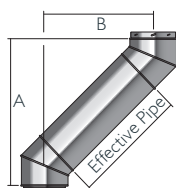
**15° Bend offset with Standard Pipe Length**

|                     |   |      |      |      |      |      |
|---------------------|---|------|------|------|------|------|
| Int Ømm             |   | 100  | 125  | 150  | 180  | 200  |
| Ext Ømm             |   | 150  | 180  | 200  | 238  | 256  |
| 1454 Effective Pipe | A | 1633 | 1636 | 1638 | 1638 | 1642 |
|                     | B | 406  | 407  | 407  | 407  | 408  |
| 954 Effective Pipe  | A | 1150 | 1153 | 1155 | 1155 | 1159 |
|                     | B | 277  | 277  | 278  | 278  | 278  |
| 744 Effective Pipe  | A | 947  | 951  | 953  | 953  | 957  |
|                     | B | 223  | 223  | 223  | 223  | 224  |
| 454 Effective Pipe  | A | 667  | 671  | 672  | 672  | 676  |
|                     | B | 148  | 148  | 148  | 148  | 149  |
| 287 Effective Pipe  | A | 505  | 509  | 511  | 511  | 515  |
|                     | B | 104  | 105  | 105  | 105  | 106  |
| 160 Effective Pipe  | A | 383  | 387  | 388  | 388  | 392  |
|                     | B | 71   | 72   | 72   | 72   | 73   |



**30° Bend offset with Standard Pipe Length**

|                     |   |      |      |      |      |      |
|---------------------|---|------|------|------|------|------|
| Int Ømm             |   | 100  | 125  | 150  | 180  | 200  |
| Ext Ømm             |   | 150  | 180  | 200  | 238  | 256  |
| 1454 Effective Pipe | A | 1487 | 1489 | 1504 | 1515 | 1530 |
|                     | B | 788  | 789  | 793  | 796  | 800  |
| 954 Effective Pipe  | A | 1054 | 1056 | 1071 | 1082 | 1097 |
|                     | B | 538  | 539  | 543  | 546  | 550  |
| 744 Effective Pipe  | A | 872  | 874  | 889  | 900  | 915  |
|                     | B | 433  | 434  | 438  | 441  | 445  |
| 454 Effective Pipe  | A | 621  | 623  | 638  | 649  | 664  |
|                     | B | 288  | 289  | 293  | 296  | 300  |
| 287 Effective Pipe  | A | 476  | 478  | 493  | 504  | 519  |
|                     | B | 205  | 205  | 209  | 212  | 216  |
| 160 Effective Pipe  | A | 366  | 368  | 383  | 394  | 409  |
|                     | B | 141  | 142  | 146  | 149  | 153  |

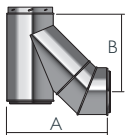


**45° Bend offset with Standard Pipe Length**

|                     |   |      |      |      |      |      |
|---------------------|---|------|------|------|------|------|
| Int Ømm             |   | 100  | 125  | 150  | 180  | 200  |
| Ext Ømm             |   | 150  | 180  | 200  | 238  | 256  |
| 1454 Effective Pipe | A | 1284 | 1282 | 1296 | 1323 | 1337 |
|                     | B | 1134 | 1133 | 1139 | 1150 | 1156 |
| 954 Effective Pipe  | A | 931  | 929  | 943  | 970  | 984  |
|                     | B | 781  | 780  | 786  | 797  | 803  |
| 744 Effective Pipe  | A | 782  | 780  | 794  | 821  | 835  |
|                     | B | 632  | 631  | 637  | 648  | 654  |
| 454 Effective Pipe  | A | 577  | 576  | 590  | 616  | 630  |
|                     | B | 427  | 427  | 433  | 443  | 449  |
| 287 Effective Pipe  | A | 459  | 457  | 471  | 498  | 512  |
|                     | B | 309  | 308  | 314  | 325  | 331  |
| 160 Effective Pipe  | A | 369  | 367  | 381  | 408  | 422  |
|                     | B | 219  | 218  | 224  | 235  | 241  |

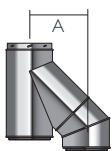
# Typical Offsets

(made by assembling 2 bends and a standard pipe section)



Offsets for 135° Tee and 45° Bend

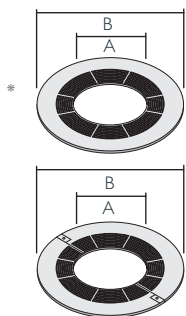
|         |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|
| Int Ømm | 100 | 125 | 150 | 180 | 200 |
| Ext Ømm | 150 | 180 | 200 | 238 | 256 |
| A       | 383 | 402 | 435 | 497 | 532 |
| B       | 303 | 310 | 334 | 376 | 402 |



Offsets for 135° Tee and 45° Bend

|         |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|
| Int Ømm | 100 | 125 | 150 | 180 | 200 |
| Ext Ømm | 150 | 180 | 200 | 238 | 256 |
| A       | 232 | 233 | 252 | 288 | 309 |

## Firestop Components



Combustible Floor

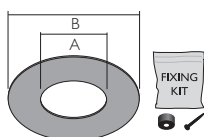
Round Ventilated Firestop Plate - 1 Piece\*

9423

Round Ventilated Firestop Plate - 2 Piece

9424

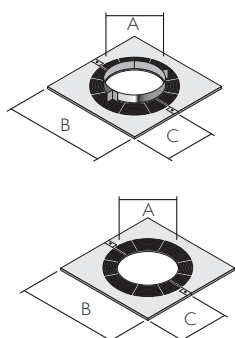
|                    |        |        |        |        |        |
|--------------------|--------|--------|--------|--------|--------|
| Int Ømm            | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm            | 150    | 180    | 200    | 235    | 256    |
| A                  | 153    | 183    | 203    | 241    | 259    |
| B                  | 350    | 380    | 400    | 430    | 450    |
| SAP Code 1PC Plain | 125902 | 126661 | 127227 | 128117 | 128601 |
| SAP Code 1PC Black | 125900 | 126659 | 127225 | 128115 | 128599 |
| SAP Code 1PC White | 125901 | 126660 | 127226 | 128116 | 128600 |
| SAP Code 2PC Plain | 125905 | 126664 | 127230 | 128120 | 128604 |
| SAP Code 2PC Black | 125903 | 126662 | 127228 | 128118 | 128602 |
| SAP Code 2PC White | 125904 | 126663 | 127229 | 128119 | 128603 |



Magnetic Firestop Cover Plate Kit

9509

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 154    | 183    | 203    | 241    | 259    |
| B              | 370    | 380    | 400    | 430    | 450    |
| SAP Code Plain | 147378 | 126945 | 127552 | 128127 | 128611 |
| SAP Code Black | 147379 | 126946 | 127553 | 128128 | 128612 |
| SAP Code White | 147380 | 126947 | 127554 | 128129 | 128613 |



Combustible Floor

Ventilated Support Plate - 2 Piece

95260

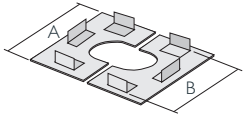
Rectangular Ventilated Firestop Plate - 2 Piece

94250

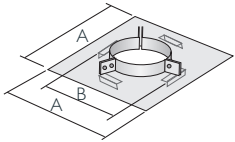
|                         |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|
| Int Ømm                 | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                 | 150    | 180    | 200    | 235    | 256    |
| A                       | 153    | 183    | 203    | 241    | 259    |
| B                       | 350    | 380    | 400    | 430    | 450    |
| C                       | 175    | 190    | 200    | 215    | 225    |
| SAP Code Support Plate  | 125908 | 126667 | 127234 | 128124 | 128607 |
| SAP Code Firestop Plate | 125907 | 126666 | 127232 | 128122 | 128606 |

COA : Code on application

# Firestop Components



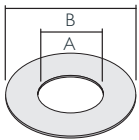
| Non Combustible Floor Firestop Plate 94670 |        |        |        |        |        |
|--------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                    | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                    | 150    | 180    | 200    | 235    | 256    |
| A                                          | 300    | 450    | 450    | 450    | 610    |
| B                                          | 250    | 280    | 300    | 338    | 356    |
| SAP Code Plain                             | 125891 | 126624 | 127200 | 128099 | 128584 |



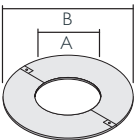
| Non Combustible Floor Support Plate 95680 |        |        |        |        |        |
|-------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                   | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                   | 150    | 180    | 200    | 235    | 256    |
| A                                         | 300    | 330    | 350    | 388    | 406    |
| B                                         | 250    | 280    | 300    | 338    | 356    |
| SAP Code Plain                            | 125896 | 126646 | 127210 | 128107 | 128591 |

# Bungalow Firestop Kits

All Unventilated Bungalow Firestop Kits may only be used on a combustible ceiling in a bungalow where there is a minimum 60mm distance to combustibles where the chimney penetrates the ceiling area and where the roof space above the ceiling is open and ventilated. Within the roof space, a protective wire mesh framework must be built around the chimney to ensure the minimum 60mm distance to combustibles is maintained.



| Unventilated Bungalow Round Firestop Plate - 1 Piece 9428 |        |        |        |        |        |
|-----------------------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                                   | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                                   | 150    | 180    | 200    | 235    | 256    |
| A                                                         | 153    | 183    | 203    | 241    | 259    |
| B                                                         | 350    | 380    | 400    | 430    | 450    |
| SAP Code Plain                                            | 147381 | 126526 | 127108 | 128084 | 128571 |
| SAP Code Black                                            | 147382 | 126528 | 127110 | 128086 | 128572 |
| SAP Code White                                            | 147383 | 126529 | 127111 | 128087 | 128573 |



| Unventilated Bungalow Round Firestop Plate - 2 Piece 9429 |        |        |        |        |        |
|-----------------------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                                   | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                                   | 150    | 180    | 200    | 235    | 256    |
| A                                                         | 153    | 183    | 203    | 241    | 259    |
| B                                                         | 350    | 380    | 400    | 430    | 450    |
| SAP Code Plain                                            | 147384 | 126527 | 127109 | 128085 | 131123 |
| SAP Code Black                                            | 147385 | 131122 | 127106 | -      | -      |
| SAP Code White                                            | 147386 | -      | 127107 | -      | -      |

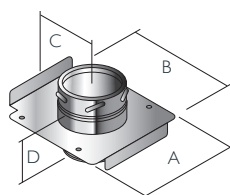
# Support Components

**NEW!**



## Retrofit Wall Supports

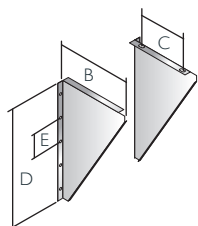
|                             |        |        |        |
|-----------------------------|--------|--------|--------|
| Int Ømm                     | 100    | 125    | 150    |
| Ext Ømm                     | 150    | 180    | 200    |
| SAP Code Plain 60mm - 200mm | 169699 | 169700 | 169701 |
| SAP Code Black 60mm - 200mm | 169696 | 169697 | 169698 |
| SAP Code Plain 200 - 375mm  | 170321 | 170322 | 170323 |
| SAP Code Black 200 - 375mm  | 170318 | 170319 | 170320 |



## Top Plate

**DN8A0D3**

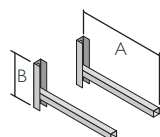
|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 266    | 276    | 296    | 334    | 352    |
| B              | 247    | 287    | 307    | 342    | 363    |
| C              | 127    | 142    | 152    | 170    | 180    |
| D              | 106    | 106    | 106    | 105    | 108    |
| SAP Code Plain | 147387 | 125140 | 125833 | 126572 | 127151 |
| SAP Code Black | 147388 | 125141 | 125834 | COA    | COA    |



## Wall Support Side Plates

**DN8A0D2**

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| A              | 235    | 275    | 295    | 325    | 345    |
| B              | 165    | 160    | 180    | 210    | 230    |
| C              | 470    | 470    | 470    | 470    | 470    |
| D              | 100    | 100    | 100    | 100    | 100    |
| SAP Code Plain | 101043 | 125357 | 126136 | 126862 | 127445 |
| SAP Code Black | -      | 125355 | 126133 | -      | -      |

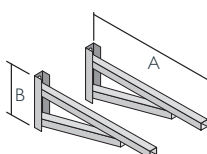


## Cantilever Support

**Type 325 - 95420001**  
**Type 475 - 95420002**

|                |        |         |
|----------------|--------|---------|
| Type           | 325    | 475     |
| Int Ømm Range  | 00-150 | 100-200 |
| A              | 325    | 475     |
| B              | 242    | 242     |
| SAP Code Plain | 101742 | 101743  |
| SAP Code Black | 130686 | 130687  |

Used in combination with Adjustable Top Plate.



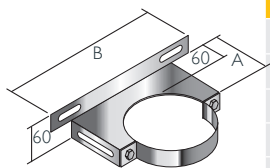
## Cantilever Support

**Type 570 - 95420003**

|                |         |
|----------------|---------|
| Type           | 570     |
| Int Ømm Range  | 100-200 |
| A              | 570     |
| B              | 330     |
| SAP Code Plain | 101744  |
| SAP Code Black | 130688  |

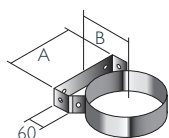
Used in combination with Adjustable Top Plate.

# Support Components

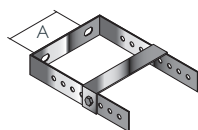


| Retrofit Wall Band |        |        |        |        | 95600  |
|--------------------|--------|--------|--------|--------|--------|
| Int Ømm            | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm            | 150    | 180    | 200    | 235    | 256    |
| A                  | 136    | 151    | 161    | 180    | 189    |
| B                  | 300    | 330    | 350    | 388    | 406    |
| SAP Code Plain     | 147389 | 126657 | 127223 | 128113 | 128597 |
| SAP Code Black     | 147390 | 126658 | 127224 | 128114 | 128598 |

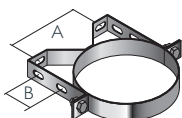
COA : Code on application



| Wall Band (60mm) |        |        |        |        | 92930  |
|------------------|--------|--------|--------|--------|--------|
| Int Ømm          | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm          | 150    | 180    | 200    | 235    | 256    |
| A                | 148    | 180    | 200    | 238    | 256    |
| B                | 135    | 140    | 150    | 168    | 178    |
| SAP Code Plain   | 125898 | 126648 | 127213 | 128110 | 128594 |
| SAP Code Black   | 131170 | 126620 | 127196 | 128095 | 128580 |

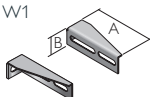


| Adjustable Back Bracket for Wall Band 60-300mm |        |        |        |        | 95950  |
|------------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                        | 150    | 180    | 200    | 235    | 256    |
| A                                              | 83     | 112    | 132    | 162    | 186    |
| SAP Code Plain                                 | 125890 | 126623 | 127199 | 128098 | 128583 |
| SAP Code Black                                 | -      | 126622 | 127198 | 128097 | 128582 |

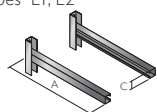


| Structural Wall Band (50mm) |        |        |        |        | 95430  |
|-----------------------------|--------|--------|--------|--------|--------|
| Int Ømm                     | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                     | 150    | 180    | 200    | 235    | 256    |
| A                           | 126    | 144    | 164    | 194    | 214    |
| B                           | 55     | 55     | 55     | 55     | 55     |
| SAP Code Plain              | 101264 | 101265 | 101266 | 128112 | 128596 |
| SAP Code Black              | -      | 126654 | 127218 | -      | -      |

Type W1



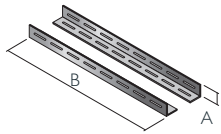
Types L1, L2



| Structural and Retrofit Wall Band Extensions |        |         |         | W1 - 95440001<br>L1 - 95440004<br>L2 - 95440005 |
|----------------------------------------------|--------|---------|---------|-------------------------------------------------|
| Type                                         | W1     | L1      | L2      |                                                 |
| Adj.                                         | 55-100 | 100-250 | 100-440 |                                                 |
| A                                            | 130    | 300     | 450     |                                                 |
| B                                            | 36     | -       | -       |                                                 |
| C                                            | -      | 32      | 32      |                                                 |
| SAP Code Plain                               | 101735 | 143846  | 143847  |                                                 |
| SAP Code Black                               | 130824 | 144655  | 144656  |                                                 |

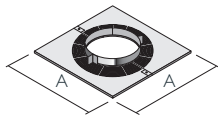
COA : Code on application

# Support Components

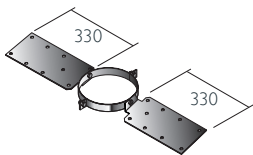


| Ceiling Joist Support Arms (Pair) |  |  |  |  | 9459001 |
|-----------------------------------|--|--|--|--|---------|
| Type                              |  |  |  |  | 570     |
| Int Ømm Range                     |  |  |  |  | 125-200 |
| A                                 |  |  |  |  | 39      |
| B                                 |  |  |  |  | 700     |
| SAP Code Plain                    |  |  |  |  | 130694  |

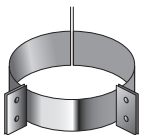
Used in combination with Ceiling Joist Support.



| Ceiling Joist Support |        |        |        |        |        | 94590 |
|-----------------------|--------|--------|--------|--------|--------|-------|
| Int Ømm               | 100    | 125    | 150    | 180    | 200    |       |
| Ext Ømm               | 150    | 180    | 200    | 238    | 256    |       |
| A                     | 291    | 321    | 341    | 379    | 397    |       |
| SAP Code Plain        | 147391 | 126669 | 127238 | 128125 | 128609 |       |



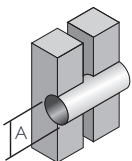
| Roof Support   |        |        |        |        |        | 94640 |
|----------------|--------|--------|--------|--------|--------|-------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |       |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |       |
| SAP Code Plain | 100961 | 100962 | 100963 | 128126 | 128610 |       |



| Guy Wire Bracket |        |        |        |        |        | 95900 |
|------------------|--------|--------|--------|--------|--------|-------|
| Int Ømm          | 100    | 125    | 150    | 180    | 200    |       |
| Ext Ømm          | 150    | 180    | 200    | 235    | 256    |       |
| SAP Code Plain   | 100640 | 100641 | 100642 | 128101 | 128586 |       |
| SAP Code Black   | -      | 131808 | 127202 | -      | -      |       |

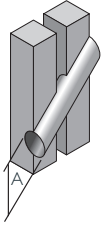


| Telescopic Roof Stays |        |        |        |        |        |
|-----------------------|--------|--------|--------|--------|--------|
| Ext Ømm               | 150    | 180    | 200    | 235    | 256    |
| SAP Code Black        | 170141 | 170142 | 170143 | 170145 | 170147 |

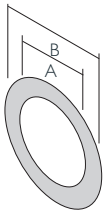


|                  |        |        |        |        |        | Masonry - 94980 | Timber Frame - 94810 |
|------------------|--------|--------|--------|--------|--------|-----------------|----------------------|
| Int Ømm          | 100    | 125    | 150    | 180    | 200    |                 |                      |
| Ext Ømm          | 150    | 180    | 200    | 235    | 256    |                 |                      |
| A Masonry        | 200    | 230    | 250    | 288    | 306    |                 |                      |
| A Timber F       | 270    | 300    | 320    | 358    | 376    |                 |                      |
| SAP Code Masonry | 147392 | 126642 | 127206 | -      | -      |                 |                      |
| SAP Code Timber  | 125897 | 126647 | 127212 | 128108 | 128592 |                 |                      |

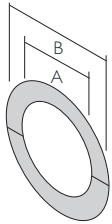
# Support Components



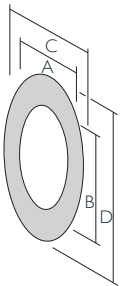
| Masonry - 94620<br>Timber Frame - 94910                       |        |        |        |        |        |
|---------------------------------------------------------------|--------|--------|--------|--------|--------|
| Wall Sleeve 45°                                               |        |        |        |        |        |
| Int Ømm                                                       | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                                       | 150    | 180    | 200    | 235    | 256    |
| A Masonry                                                     | 200    | 230    | 250    | 288    | 306    |
| A Timber F                                                    | 270    | 300    | 320    | 358    | 376    |
| SAP Code Masonry                                              | 125894 | 126641 | 127205 | 128102 | 128587 |
| SAP Code Timber                                               | 125895 | 126643 | 127207 | 128103 | 128588 |
| Supplied as a 1m long mitred tube to be cut to length on site |        |        |        |        |        |



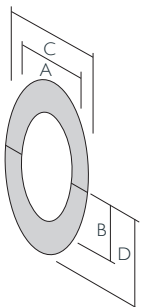
| 1 Piece Trim Collar 90° |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|
| 9580                    |        |        |        |        |        |
| Int Ømm                 | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                 | 150    | 180    | 200    | 235    | 256    |
| A                       | 154    | 184    | 204    | 242    | 260    |
| B                       | 300    | 330    | 350    | 388    | 406    |
| SAP Code Plain          | -      | 127038 | 127642 | 128133 | 128618 |
| SAP Code Black          | 126337 | 127039 | 127643 | 128134 | 128619 |



| 2 Piece Trim Collar 90° |        |        |        |     |     |
|-------------------------|--------|--------|--------|-----|-----|
| 9599                    |        |        |        |     |     |
| Int Ømm                 | 100    | 125    | 150    | 180 | 200 |
| Ext Ømm                 | 150    | 180    | 200    | 235 | 256 |
| A                       | 154    | 184    | 204    | 242 | 260 |
| B                       | 300    | 330    | 350    | 388 | 406 |
| SAP Code Plain          | 126338 | 127040 | 127644 | -   | --  |
| SAP Code Black          | 126339 | 127041 | 127645 | -   | COA |



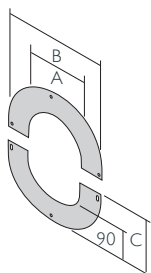
| 1 Piece Trim Collar 45° |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|
| 9589                    |        |        |        |        |        |
| Int Ømm                 | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                 | 150    | 180    | 200    | 235    | 256    |
| A                       | 154    | 184    | 204    | 242    | 260    |
| B                       | 216    | 259    | 287    | 341    | 366    |
| C                       | 300    | 330    | 350    | 388    | 406    |
| D                       | 412    | 454    | 483    | 536    | 562    |
| SAP Code Plain          | 147393 | 126612 | 127186 | 128089 | 128575 |
| SAP Code Black          | 147394 | 126613 | 127187 | 128090 | 128576 |
| SAP Code White          | 147395 | 126614 | 127188 | 128091 | 128577 |



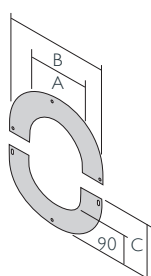
| 2 Piece Trim Collar 45° |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|
| 9579                    |        |        |        |        |        |
| Int Ømm                 | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                 | 150    | 180    | 200    | 235    | 256    |
| A                       | 154    | 184    | 204    | 242    | 260    |
| B                       | 108    | 130    | 144    | 171    | 183    |
| C                       | 300    | 330    | 350    | 388    | 406    |
| D                       | 206    | 227    | 242    | 268    | 281    |
| SAP Code Plain          | 126335 | 127035 | 127639 | 128130 | 128615 |
| SAP Code Black          | 126336 | 127036 | 127640 | 128131 | 128616 |
| SAP Code White          | -      | 127037 | 127641 | 128132 | 128617 |

COA : Code on application

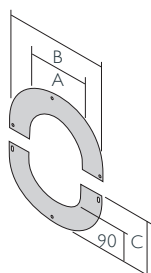
# Support Components



| Adjustable Trim Collar 35-45° |     |        |        |        |        |
|-------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                       | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                       | 150 | 180    | 200    | 235    | 256    |
| A                             | -   | 187    | 204    | 242    | 260    |
| B                             | -   | 364    | 384    | 422    | 440    |
| C                             | -   | 204.5  | 214.5  | 238.5  | 247.5  |
| SAP Code Plain                | -   | 126513 | 127093 | 128071 | 128558 |
| SAP Code Black                | -   | 126511 | 127091 | 128069 | 128556 |
| SAP Code White                | -   | 126512 | 127092 | 128070 | 128557 |

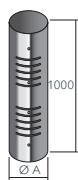


| Adjustable Trim Collar 0-20° |     |        |        |        |        |
|------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                      | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                      | 150 | 180    | 200    | 235    | 256    |
| A                            | -   | 187    | 204    | 242    | 260    |
| B                            | -   | 364    | 384    | 422    | 440    |
| C                            | -   | 204.5  | 214.5  | 238.5  | 247.5  |
| SAP Code Plain               | -   | 126507 | 127087 | 128065 | 128552 |
| SAP Code Black               | -   | 126505 | 127085 | 128063 | 128550 |
| SAP Code White               | -   | 126506 | 127086 | 128064 | 126512 |

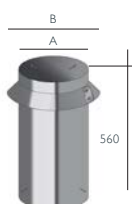


| Adjustable Trim Collar 20-35° |     |        |        |        |        |
|-------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                       | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                       | 150 | 180    | 200    | 235    | 256    |
| A                             | -   | 187    | 204    | 242    | 260    |
| B                             | -   | 364    | 384    | 422    | 440    |
| C                             | -   | 204.5  | 214.5  | 238.5  | 247.5  |
| SAP Code Plain                | -   | 126510 | 127090 | 128068 | 128555 |
| SAP Code Black                | -   | 126508 | 127088 | 128066 | 128553 |
| SAP Code White                | -   | 128067 | 127089 | 128067 | 128554 |

# Loft Guard



| Loft Guard     |     |        |        |        |        |
|----------------|-----|--------|--------|--------|--------|
| Int Ømm        | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150 | 180    | 200    | 235    | 256    |
| Ø A            | -   | 300    | 320    | 350    | 376    |
| SAP Code Plain | -   | 137464 | 137464 | 137465 | 137465 |



| Loft Guard - for Scottish Regulations |  |  |        |        |  |
|---------------------------------------|--|--|--------|--------|--|
| Int Ømm                               |  |  | 180    | 200    |  |
| Ø A                                   |  |  | 300    | 320    |  |
| Ø B                                   |  |  | 400    | 420    |  |
| SAP Code Plain                        |  |  | 158404 | 158405 |  |

# Ignis-Protect

Designed specifically for Air Tight, Energy Efficient and Timber Framed Buildings

In order to meet the latest European building regulations, specific leakage and performance criteria have to be met, which are much more stringent than in the past. These criteria are key in relation to chimney products passing through combustible walls.

Schiedel Chimney Systems have invested heavily to provide tested and approved solutions to resolve these challenges and are proud to introduce their latest cutting edge product.



Protected in accordance with European patent specification EP 1 878 849 B1

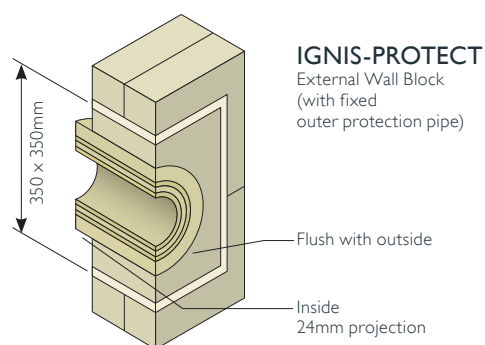
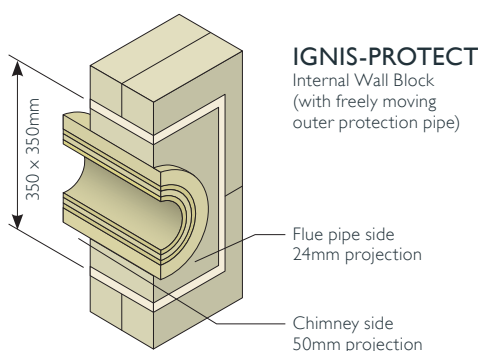


**IGNIS-PROTECT,**  
Winner of Best Product Award  
Hearth & Home Exhibition 2015.

## Product Description

### PRODUCT FEATURES

- Suitable for SW and DW connecting flue pipes passing through interior or exterior walls made of combustible materials
- Available in two versions:
  - **For exterior walls** (with aluminium laminate on inside face)
  - **For interior walls** (without aluminium laminate and with an extended removable core)
- Available in both 90° and 45° versions
- For flue gas temperature up to:
  - 450 °C for SW connecting flue pipes (T450)
  - 600 °C for DW connecting flue pipes (T600)
- Max. 100 °C surface temperature during soot fire
- Monolithic component made of mineral wool, density 120 kg/m<sup>3</sup>, building material class A1
- Internal face finished with aluminium laminate
- External face made with textured surface to facilitate facade rendering
- Removable pipe sections DN 125, 130, 150, 180, 200 mm  
IGNIS-PROTECT can be used without any additional protection
- Available in a range of standard wall thicknesses between 100mm -500mm



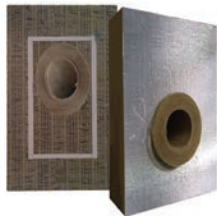
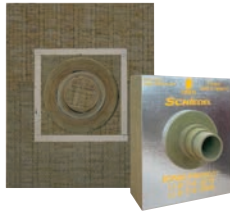
## Approvals

DIBt  
Zulassungs Nr. Z-74-3372 Deutsches Institut für Bautechnik

- Z-74-3372 relating to T450 designated products
- Z-74-3402 relating to T600 designated products

# Ignis-Protect

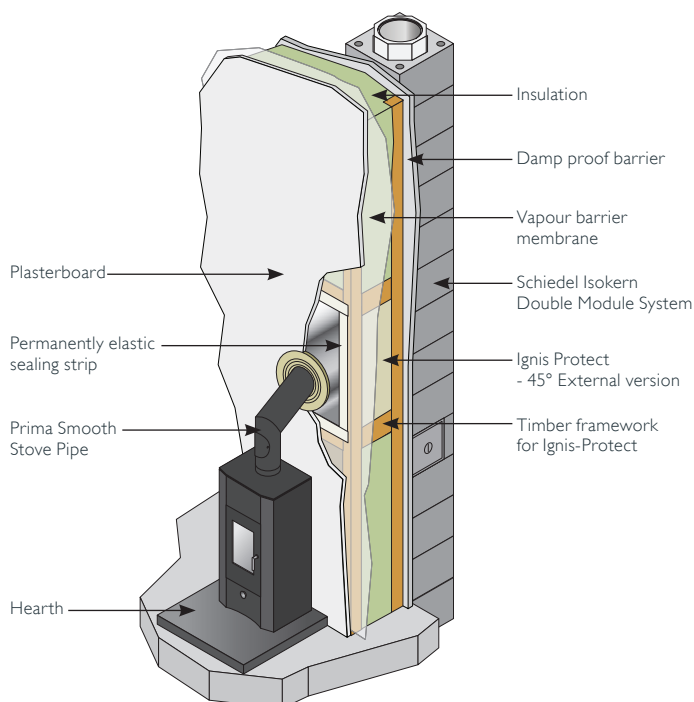
(for air tight wall penetration)



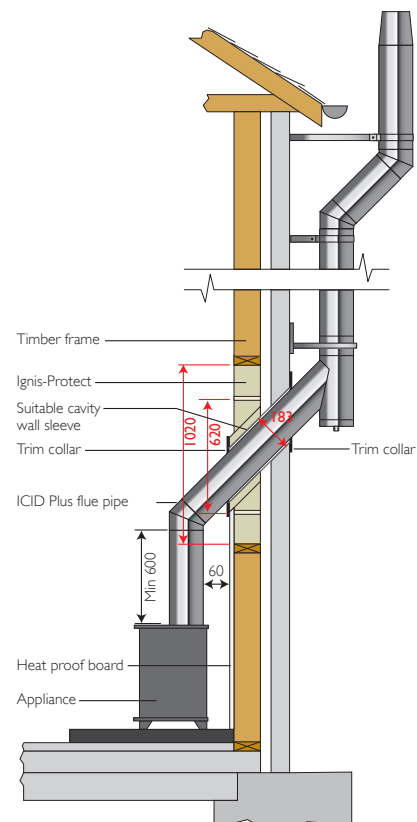
| SAP Code                         | Thickness (mm) | Height (mm) | Width (mm) | Pallet Quantity |
|----------------------------------|----------------|-------------|------------|-----------------|
| <b>Ignis-Protect 90° Version</b> |                |             |            |                 |
| 101841                           | 150            | 700         | 565        | 12              |
| 101842                           | 200            | 700         | 565        | 9               |
| 101843                           | 250            | 700         | 565        | 6               |
| 101844                           | 300            | 700         | 565        | 4               |
| 101845                           | 350            | 700         | 565        | 4               |
| 101846                           | 400            | 700         | 565        | 2               |
| <b>Ignis-Protect 45° Version</b> |                |             |            |                 |
| 149530                           | 100            | 1020        | 565        | 18              |
| 149531                           | 150            | 1020        | 565        | 12              |
| 149532                           | 200            | 1020        | 565        | 9               |
| 149533                           | 250            | 1320        | 565        | 6               |
| 149534                           | 300            | 1320        | 565        | 4               |
| 149535                           | 350            | 1320        | 565        | 4               |
| 149536                           | 400            | 1320        | 565        | 2               |
| 144032                           | 450            | 1320        | 565        | 2               |
| 144033                           | 466            | 1320        | 565        | 2               |
| 144034                           | 500            | 1320        | 565        | 2               |

For more information on IGNIS-PROTECT 90° and 45° please refer to p.30

## IGNIS-PROTECT 45° VERSION



## IGNIS-PROTECT ICID PLUS ON TRADITIONAL TIMBER FRAME WALL



# Protect Box

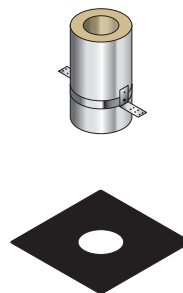
Engineered to meet the key challenges of modern houses...

- Ever more air tight construction
- Increasing depth of loft insulation

**Schiedel Protect Box is the proven solution to safeguard distance to combustibles in low energy and passive houses.**

## PRODUCT FEATURES

- Designed to meet blower door test.
- Constructed using a high temperature resistant Rockwool insulation with an aluminium laminate outer surface to give zero distance to combustibles.
- An EPDM kit is available to allow for the chimney to pass through an air tight membrane at ceiling level in a cold roof construction or at roof level in a warm roof construction.
- Standard height 700 mm to meet new roof insulation requirements.



### Protect Box

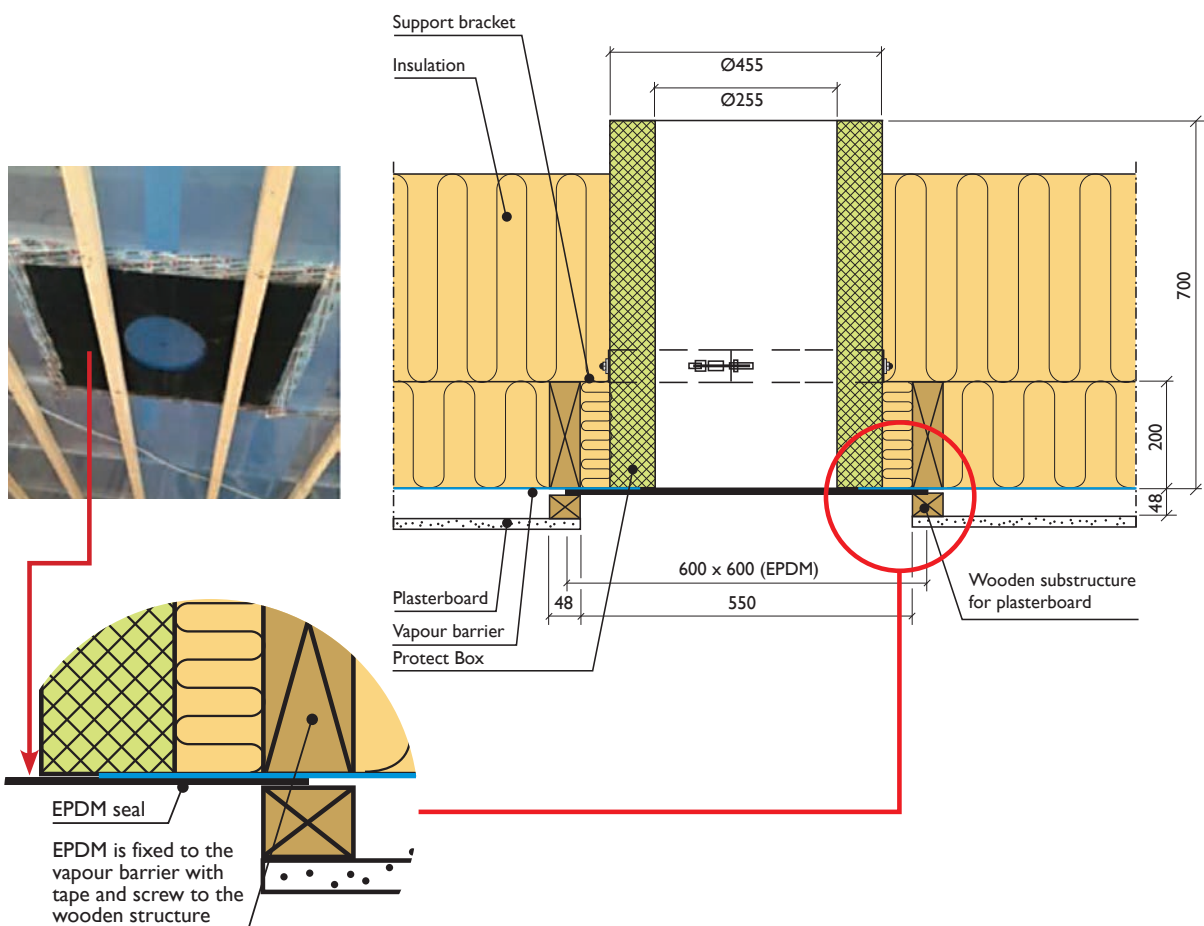
SAP Code

121342

### EPDM Seal

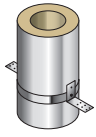
SAP Code

136939

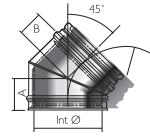


# Protect Box and Accessories

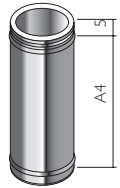
(for air tight ceiling/roof penetration)



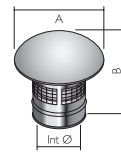
| Protect Box |        |  |
|-------------|--------|--|
| Int Ømm     | 251    |  |
| Ext Ømm     | 451    |  |
| SAP Code    | 121342 |  |



| Bends             |        |  |
|-------------------|--------|--|
| Int Ømm           | 150    |  |
| Ext Ømm           | 250    |  |
| SAP Code 45° Bend | 104804 |  |



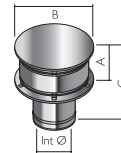
| Pipes            |        |  |
|------------------|--------|--|
| Int Ømm          | 150    |  |
| Ext Ømm          | 250    |  |
| SAP Code 1000 mm | 104784 |  |
| SAP Code 500 mm  | 104779 |  |
| SAP Code 250 mm  | 104774 |  |



| Raincaps           |        |  |
|--------------------|--------|--|
| Int Ømm            | 150    |  |
| Ext Ømm            | 250    |  |
| SAP Code No Mesh   | 126241 |  |
| SAP Code With Mesh | 126240 |  |



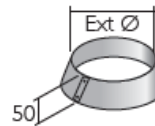
| EPDM Seal |        |  |
|-----------|--------|--|
| SAP Code  | 136939 |  |



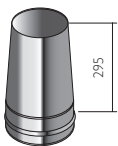
| Anti Draught Term. With Mesh |        |  |
|------------------------------|--------|--|
| Int Ømm                      | 150    |  |
| Ext Ømm                      | 250    |  |
| SAP Code                     | 115244 |  |



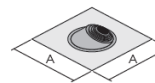
| Roof Support |        |  |
|--------------|--------|--|
| Int Ømm      | 150    |  |
| Ext Ømm      | 250    |  |
| SAP Code     | 100965 |  |



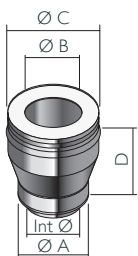
| Storm Collar |        |  |
|--------------|--------|--|
| Int Ømm      | 150    |  |
| Ext Ømm      | 250    |  |
| SAP Code     | 106143 |  |



| Tapered Terminal |        |  |
|------------------|--------|--|
| Int Ømm          | 150    |  |
| Ext Ømm          | 250    |  |
| SAP Code         | 114311 |  |



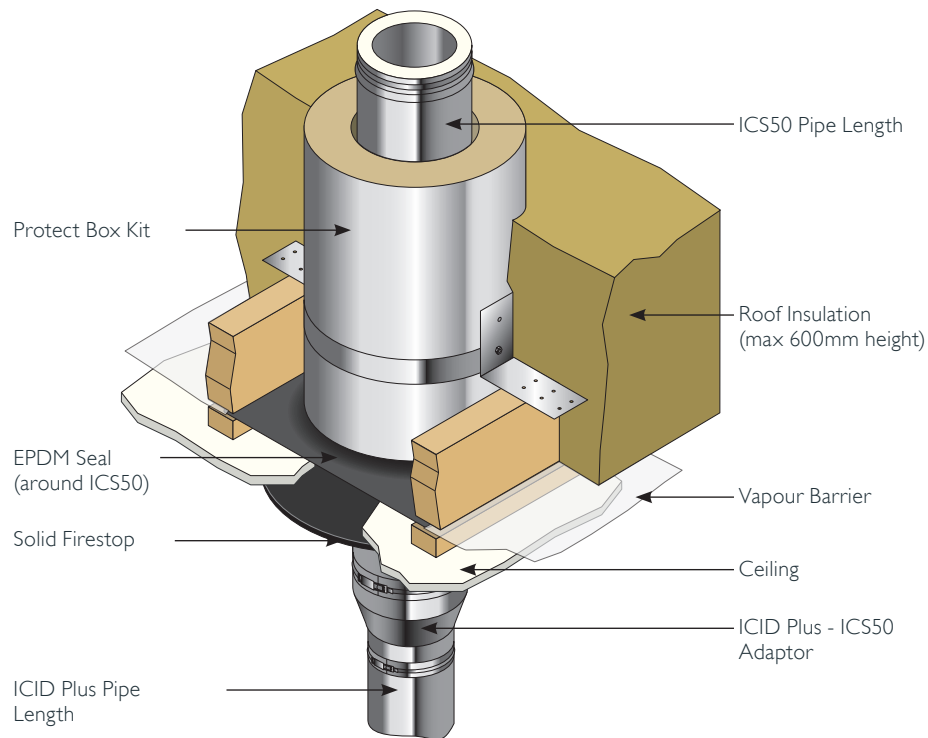
| Uniflash |         |  |
|----------|---------|--|
| Int Ømm  | 150-300 |  |
| A        | 685     |  |
| SAP Code | 112197  |  |



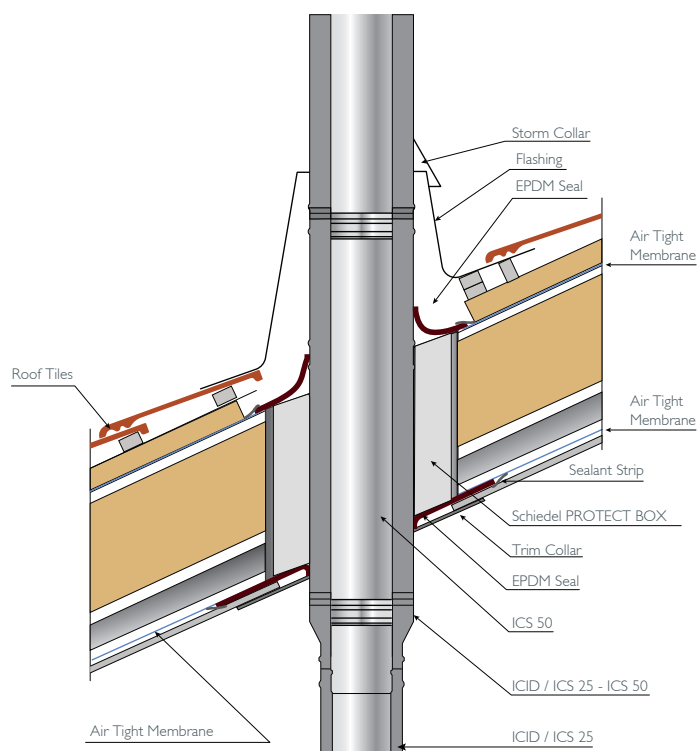
| ICID Plus - ICS50 Adaptor |        |        |  |
|---------------------------|--------|--------|--|
| Int Ømm                   | 125    | 150    |  |
| Ø A                       | 180    | 200    |  |
| Ø B                       | 150    | 150    |  |
| Ø C                       | 251    | 250    |  |
| D                         | 195    | 195    |  |
| SAP Code Plain            | 171864 | 148919 |  |
| SAP Code Black            | 171863 | 148920 |  |

# Typical Installations

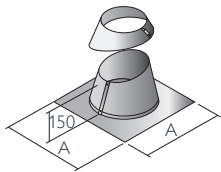
## PROTECT BOX IN SITU



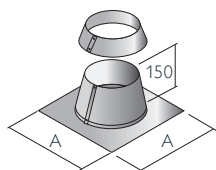
## SCHIEDEL PROTECT BOX THROUGH PITCHED ROOF



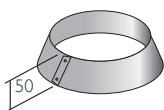
# Flashings



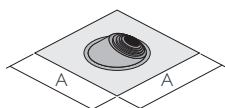
| Angled Flashing Kit 5° - 45° |        |        |        |        | 95510  |
|------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                      | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                      | 150    | 180    | 200    | 235    | 256    |
| A                            | 610    | 610    | 700    | 700    | 800    |
| SAP Code Plain               | 125889 | 126621 | 127197 | 128088 | 128574 |
| SAP Code Black               | -      | -      | 130662 | -      | -      |



| Flat Flashing Kit |        |        |        |        | 95530  |
|-------------------|--------|--------|--------|--------|--------|
| Int Ømm           | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm           | 150    | 180    | 200    | 235    | 256    |
| A                 | 610    | 610    | 610    | 610    | 610    |
| SAP Code Plain    | 125892 | 126625 | 127201 | 128100 | 128585 |
| SAP Code Black    | -      | -      | 131807 | -      | -      |

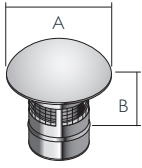


| Storm Collar   |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| Int Ømm        | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm        | 150    | 180    | 200    | 235    | 256    |
| SAP Code Plain | 106138 | 106140 | 106141 | 128106 | 128590 |
| SAP Code Black | -      | 126645 | 127209 | 128105 | -      |

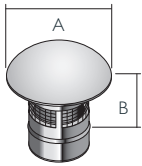


| Uniflash                                                                                          |          |  |          |
|---------------------------------------------------------------------------------------------------|----------|--|----------|
| Product Code                                                                                      | 94540001 |  | 94540002 |
| Ext Ømm                                                                                           | 80-200   |  | 150-300  |
| A                                                                                                 | 500      |  | 685      |
| SAP Code                                                                                          | 112198   |  | 112197   |
| Universal EPDM rubber/aluminium flashing. Just pull the required diameter tab on the rubber seal. |          |  |          |

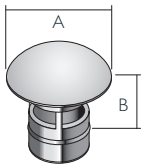
# Terminals



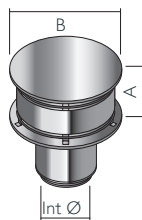
| Raincap with 10mm sparkguard DN8A145 |        |        |        |        |        |
|--------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                              | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                              | 150    | 180    | 200    | 235    | 256    |
| A                                    | 266    | 266    | 310    | 362    | 362    |
| B                                    | 70     | 90     | 90     | 90     | 115    |
| SAP Code Plain                       | 147397 | 125336 | 126112 | 126846 | 127430 |



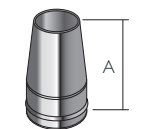
| Raincap with 25mm anti-bird mesh DN8A140 |        |        |        |        |        |
|------------------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                                  | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                                  | 150    | 180    | 200    | 235    | 256    |
| A                                        | 266    | 266    | 310    | 362    | 362    |
| B                                        | 70     | 90     | 90     | 90     | 115    |
| SAP Code Plain                           | 147399 | 125337 | 126113 | 126847 | 127431 |
| SAP Code Black                           | 147400 | 125335 | 126115 | 126845 | 127432 |



| Raincap without mesh DN8A142 |        |        |        |        |        |
|------------------------------|--------|--------|--------|--------|--------|
| Int Ømm                      | 100    | 125    | 150    | 180    | 200    |
| Ext Ømm                      | 150    | 180    | 200    | 235    | 256    |
| A                            | 266    | 266    | 310    | 362    | 362    |
| B                            | 70     | 90     | 90     | 90     | 115    |
| SAP Code Plain               | 147401 | 125144 | 125837 | 126574 | 127153 |
| SAP Code Black               | 147402 | 125145 | 125839 | 126575 | -      |



| Anti-splash Anti-downdraught Terminal (Gastec Approved) |     |        |        |        |        |
|---------------------------------------------------------|-----|--------|--------|--------|--------|
| Int Ømm                                                 | 100 | 125    | 150    | 180    | 200    |
| Ext Ømm                                                 | 150 | 180    | 200    | 230    | 250    |
| A                                                       | -   | 142    | 170    | 204    | 204    |
| B                                                       | -   | 254    | 304    | 354    | 404    |
| SAP Code with mesh Plain                                | -   | 125302 | 126074 | 126821 | 127406 |
| SAP Code with mesh Black                                | -   | -      | -      | -      | -      |
| SAP Code without mesh Plain                             | -   | 125303 | 126075 | 126822 | 127406 |
| SAP Code without mesh Black                             | -   | 125301 | 126073 | -      | 131797 |



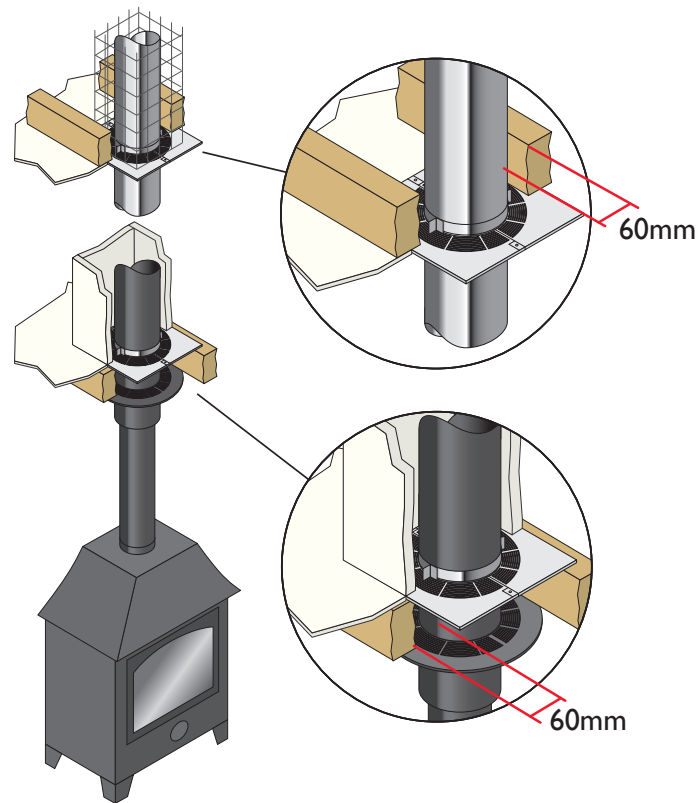
| Insulated Tapered Terminal |        |        |        |        | DN8A038 |
|----------------------------|--------|--------|--------|--------|---------|
| Int Ømm                    | 100    | 125    | 150    | 180    | 200     |
| Ext Ømm                    | 150    | 180    | 200    | 235    | 256     |
| A                          | 204    | 200    | 200    | 204    | 240     |
| SAP Code Plain             | 147403 | 125351 | 126130 | 126857 | 127441  |
| SAP Code Black             | 147404 | 125352 | 126129 | 126858 | -       |

# Distance to Combustibles on high temperature

(T450) applications (see p.24)

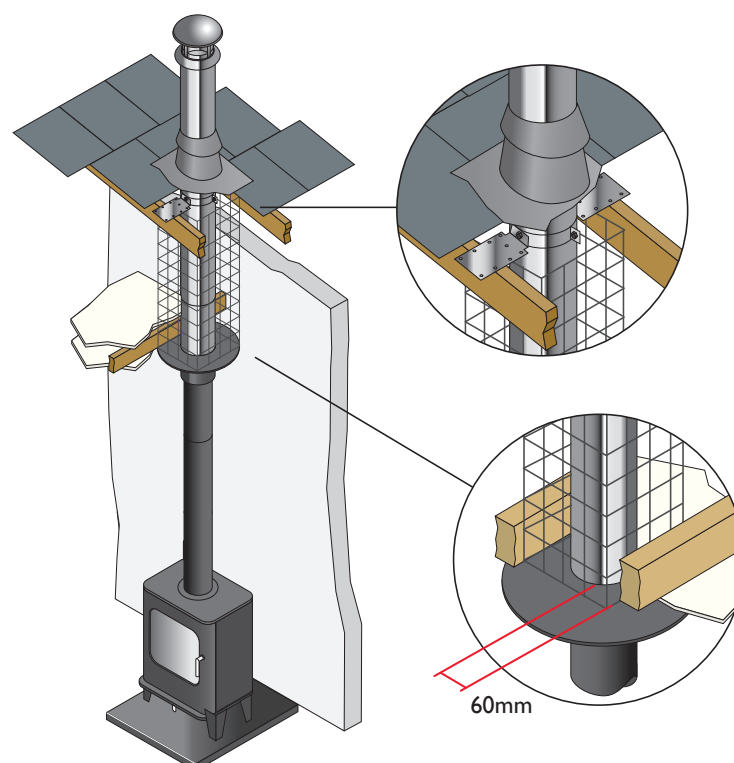
## INTERNAL HOUSE Combustible Floors

Fig. 1



## INTERNAL BUNGALOW (VENTILATED LOFT SPACE) Combustible and Non-Combustible Floors

Fig. 2



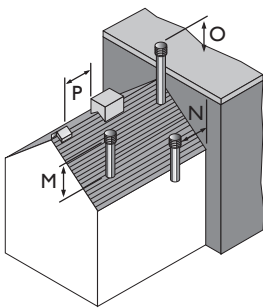
# System Design

## OUTLET SITING

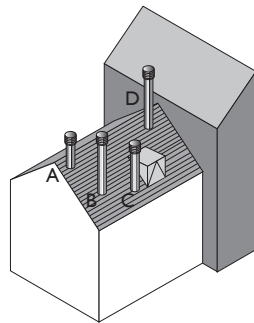
Flue terminations for solid fuel & oil are subject to EN15287-1 2007. Figures A and B illustrate recommendations for the most commonly encountered outlet terminations. Flue terminations for gas in domestic situations are governed by the BS5440-1 2008 Section 4.2. Figure C illustrates recommendations for the most common siting situations encountered. Adjacent taller structures may require increased height. The minimum flue projection through the roof is 600mm to the underside of the terminal.

## LOCATION OF OUTLET

**Fig. A**  
Outlet siting for Oil  
Appliances (<45kW)



**Fig. B**  
Outlet siting for Solid Fuel  
Appliances (<50kW)



## FLUE ROUTING

The chimney should remain as straight as possible through its vertical run to assist flow. Should it be necessary to offset a chimney run the following guidelines should be adhered to: It is recommended that a vertical rise of 600mm should be allowed immediately above the appliance before any change of direction.

Within a system, on all fuels, there should be no more than 4 changes of direction of maximum 45°.

90° Factory made bends or tees within the system may be treated as being equal to two 45° bends (see Document J of the Building Regulations issued October 1st 2010).

## TERMINAL TYPES

On solid fuel appliances, an open termination is normally recommended. However in certain conditions, rain caps or anti-downdraught terminals may be used.

Rain caps and anti-downdraught terminals are available in two versions, with mesh/spark guard and without mesh. Where a terminal with mesh is used, there is a risk of soot build up, and therefore regular cleaning is required to avoid blockage, particularly when using oil or solid fuel.

## PROVISION FOR SWEEPING, CLEANING AND MAINTENANCE

Provision should be made for inspecting and cleaning the chimney. To aid cleaning, sufficient distance should be left between changes of direction to permit the safe passage of cleaning brushes within the system. This is particularly important on solid fuel applications. It is recommended that chimneys serving solid fuel appliances be swept as frequently as necessary but at least twice a year. Choose an access component suitable for your installation unless cleaning/inspection can be done through the appliance.

## OUTLET SITING FOR OIL APPLIANCES (<45KW)

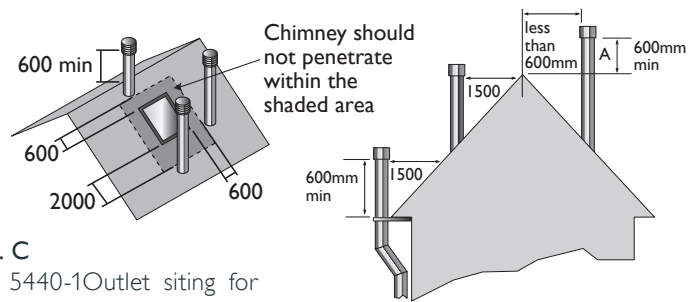
| Location of outlet |                                                                                                                                                     | Pressure Jet Burner | Vapourising Burner |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| M                  | Above the highest point of an intersection with the roof                                                                                            | 600mm               | 1000mm             |
| N                  | From a structure to the side of the terminal                                                                                                        | 750mm               | 2300mm             |
| O                  | Above a vertical structure which is less than 750mm (pressure jet burner) or 2300mm (vapourising burner) horizontally from the side of the terminal | 600mm               | 1000mm             |
| P                  | From a ridge terminal to a vertical structure on the roof                                                                                           | 1500mm              | Should not be used |

## OUTLET SITING FOR SOLID FUEL APPLIANCES (<50KW)

| Point where flue passes through weather surface (Notes 1, 2) |                                                                                                                            | Clearance to flue outlet                                                                                                                                                                                               |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A                                                            | At or within 600mm of the ridge                                                                                            | At or within 600mm above the ridge                                                                                                                                                                                     |
| B                                                            | Elsewhere on the roof (whether pitched or flat)                                                                            | At least 2300mm horizontally from the nearest point on the weather surface and: a) at least 1000mm above the highest point of intersection of the chimney and the weather surface; or b) at least as high as the ridge |
| C                                                            | Below (on a pitched roof) or within 2300mm horizontally to an openable roof-light, dormer window or other opening (Note 3) | At least 1000mm above the top of the opening                                                                                                                                                                           |
| D                                                            | Within 2300mm of an adjoining or adjacent building, whether or not beyond the boundary (Note 3)                            | At least 600mm above any part of the adjacent building within 2300mm                                                                                                                                                   |

# System Design

1. The weather surface is the building external surface, such as its roof, tiles or external walls.
2. A flat roof has a pitch less than 10°.
3. The clearance for A or B, as appropriate, will also apply.
4. A vertical flue fixed to an outside wall should be treated as equivalent to an inside flue emerging at the nearest edge of the roof.



**Fig. C**  
BS 5440-1 Outlet siting for  
Gas Appliances (<70kW)

## ROOM VENTILATION

The room carrying the appliance should have an air vent either direct to an external air source or vented into a room that has an external vent direct to an air source. This is required to provide adequate air supply to allow the appliance and flue to operate efficiently. These requirements are specified in the Building Regulations (Document J) also by CIBSE and BS5440.

## COMMERCIAL INSTALLATIONS

Schiedel Rite-Vent can provide a full design & flue sizing advice service for commercial installations, using both ICID Plus and our ICS product ranges.

## PROVISION FOR CONDENSATE DISPOSAL

(subject to appliance manufacturer recommendations)

Normally solid fuel and atmospheric gas and oil appliances will not need a drain unless rain ingress is significant. Most condensing appliances however need provision for drainage. As a rule of thumb a condensing boiler produces 1 to 1.5 litres of condensate per hour per 10kW of input.

This is a significant amount of acidic liquid which must be drained from the system. Choose appropriate flue drainage components, normally fitted at the base of the stack and close to the appliance outlet.

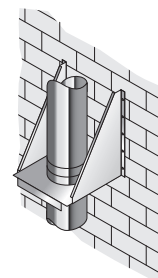
On high efficiency or on condensing systems, a 3° slope on horizontal runs is advised, using the appropriate 87° bend and 93° tee.

# Load Bearing Data

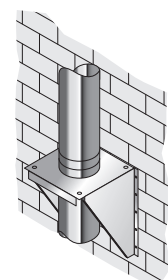
| Maximum Load Bearing (metres of pipe) |        |         |         |
|---------------------------------------|--------|---------|---------|
| Internal Diameter (mm)                | 80-130 | 150-180 | 200-250 |
| Base Drain Section                    | 22     | 18      | 18      |
| Retrofit Wall Support                 | 10     | 10*     | -       |
| Drain Plug Support                    | 18     | 18      | 18      |
| Adjustable Top Plate + Locking Band   | 15     | 15      | 15      |
| Telescopic Floor Support              | 18     | 18      | 18      |
| Pair of Side Plates (see diagram A)   | 15     | 15      | 15      |
| Pair of Side Plates (see diagram B)   | 10     | 10      | 10      |
| Cantilever Support                    | 22     | 18      | 18      |
| Extension Support (Anchor Plate)      | 1.5    | 1.5     | 1.5     |
| Ventilated Support Plate (All types)  | 12     | 12      | 9       |
| Support Plate                         | 12     | 12      | 9       |
| Ceiling Hanger                        | 1.5    | 1.5     | 1.5     |
| Wall Band 50/60mm                     | 3      | 3       | 3       |
| Adjustable Wall Band 60-300mm         | 3      | 3       | 3       |
| Structural Wall Band                  | 4      | 4       | 4       |
| Extension for Structural Wall Band    | 4      | 4       | 4       |
| Guy Wire Bracket                      | 1.5    | 1.5     | 1.5     |
| Roof Support (above truss)            | 6      | 6       | 6       |
| Roof Support (below truss)            | 4      | 4       | 4       |
| 90° Tee + Locking Band                | 22     | 18      | 18      |
| 93° Tee + Locking Band                | 22     | 18      | 18      |
| 135° Tee + Locking Band               | 15     | 10      | 10      |
| Inspection Tee (Round)                | 22     | 18      | 18      |
| Inspection Tee (Rectangular)          | 22     | 18      | 18      |

\* Retrofit Wall Support available diameters 80 - 150 only

| Approximate Weights of Products (Kg) |       |      |      |      |
|--------------------------------------|-------|------|------|------|
| Internal Diameter Length(mm)         | 1000  | 500  | 250  | 195  |
| 80                                   | 4.32  | 2.13 | 1.09 | 0.85 |
| 100                                  | 5.14  | 2.53 | 1.29 | 1.01 |
| 130                                  | 6.35  | 3.14 | 1.60 | 1.24 |
| 150                                  | 7.18  | 3.54 | 1.86 | 1.41 |
| 180                                  | 8.40  | 4.14 | 2.11 | 1.65 |
| 200                                  | 9.22  | 4.55 | 2.31 | 1.80 |
| 230                                  | 10.44 | 5.13 | 2.62 | 2.03 |
| 250                                  | 11.24 | 5.53 | 2.81 | 2.19 |
| 300                                  | 15.08 | 7.58 | 3.44 | 2.47 |



**Diagram A**



**Diagram B**

# Installation

These notes should be read in conjunction with the detailed ICID Plus Installation Instructions.

## MANDATORY REQUIREMENTS

Connection to an appliance that is connected to the fuel supply must be carried out by a GAS SAFE (gas) or OFTEC (oil) registered installer. We recommend the use of HETAS approved installers for solid fuel applications. For full design and installation details the key referral documents are:

- BS EN 1856-1: Chimneys - System Chimney Products
- BS EN 1859: Metal Chimneys - Testing Methods
- BS EN 1443: Chimneys - General Requirements
- BS EN 15287-1: Chimneys. Design, installation and commissioning of chimneys. Chimneys for non-room sealed heating appliances.
- BS 5440-1: Flueing and ventilation for gas appliances of rated input not exceeding 70kW net (1st, 2nd and 3rd family gases)
- Specification for installation of gas appliances to chimneys and for maintenance of chimneys.
- Approved Document J: - Combustion appliances and fuel storage systems (England & Wales)
- DFP Technical Booklet L: - Combustion appliances and fuel storage systems (NI)
- Technical Handbook (Domestic & Non Domestic), Section 3 - Environment (Scotland)
- Appliance Installation Instructions and related standards. Other standards covering specific applications will also be relevant and must be adhered to.
- Planning permission may be required, and reference should be made to the local Building Control Department.

## ENCLOSURE/SHAFTS

With the exception of the room containing the appliance, where the chimney passes through any part of the building, where there is a risk of accidental human contact, i.e a bedroom etc., or where there is a risk of contact with combustible materials stored in a cupboard or in the roof-space, the chimney must be enclosed in an appropriate way to meet Building Regulations. This can be achieved by boxing in the chimney in habitable rooms, or by the use of a protective wire mesh frame in roof spaces etc. In all cases the minimum distance to any combustible material, including loft insulation, must be respected according to the table on p.3, and any enclosure should be ventilated using the appropriate ventilated fire stops (see p.17).

## DISTANCE TO COMBUSTIBLES

In accordance with building regulations it is essential that the correct distance to combustible material is maintained. On solid fuel applications, where there is a risk of soot fire, a distance of 60mm to combustibles must be maintained within a combustible floor and within a combustible shaft (see Fig.1 p.31). There is no need to line the area within the floor cavity with plasterboard; however the ventilated fire stop plate and ventilated support plate must be used.

On gas and oil applications, a distance of 50mm to combustibles must be maintained within a combustible floor and within a combustible shaft. The ventilated fire stop plate and ventilated support plate must be used.

Where the chimney penetrates a non combustible floor and where a non combustible shaft is used, a distance of 50mm to the shaft is sufficient. In this case, non ventilated fire stops and non ventilated support plates may be used at first floor level with a ventilated fire stop being used where the chimney penetrates into the roof space.

On bungalow applications where the chimney runs through either a combustible or non-combustible ceiling, an unventilated bungalow fire stop plate kit can be used. Please note that an unventilated support plate can not be used above the ceiling in this case. The weight of the chimney should be supported using the roof support (see p.21). Distance to combustibles must be respected within the ceiling space (see Fig. 2 p.31) and mesh frame should be used within the loft space, which must be ventilated (see Fig. 2 p.31).

## JOINTING SYSTEM

All joints in the ICID Plus chimney range, which require a locking band, are made by means of a simple twist lock jointing method. This is achieved by pushing together the male and female collars on each end of the main chimney components and twisting the components through 1/6 of a turn to lock the collars into place. It should be noted that the female collars on elbows and tees are not fluted in order to allow for these items to be positioned according to requirements on site. In all cases the joints should be held securely in place using the locking band, which is supplied with all components with a female collar.

Where a system is to be used on a positive pressure condensing appliance, then components, which are not designated as dry only, can be converted for this application by the addition of the lip seal or in the case of adjustable pipes, lip seals. Please refer to p.6.

Joints are not permitted within wall and ceiling spaces. Any flue pipe (i.e. single wall) connection to the chimney must be made in the same room as the appliance. The chimney must project at least 425mm below the ceiling. Where a chimney passes through a wall, a wall sleeve must be used to prevent damage to the chimney and the building.

## CONNECTION TO APPLIANCE

Use the appropriate appliance connector, sealing with fire rope and fire cement or high temperature sealant on solid fuel. The length of the inner liner can be trimmed where required to allow for thermal expansion within the appliance outlet spigot.

## APPLIANCE REMOVAL

Use of an adjustable length immediately above the appliance enables removal of the appliance later without dismantling the full system.

# Installation

## INSPECTION

To conform to Building Regulations, provisions should be made to enable a chimney to be inspected and cleaned. An inspection length or an insulated 90° or 135° Tee can form a suitable inspection point. To aid cleaning, sufficient distance should be left between changes of direction to permit the safe passage of cleaning brushes within the system. This is particularly important on solid fuel applications. It is recommended that chimneys serving solid fuel appliances be swept as frequently as necessary, but at least twice a year.

## CHIMNEY DIAMETER

The chimney size should be as recommended by the appliance manufacturer and must satisfy the flue sizing requirements of EN13384-1 for single appliances, and EN13384-2 for multi appliances.

# Guarantee

## LIFE EXPECTANCY AND GUARANTEE

We are confident in our products and so offer you (the owner) a generous guarantee in relation to the ICID Plus system (the System). Provided that you comply with the conditions stated below, the system will be free from defects for whichever is the greater of:

- a period equal to the guarantee period of the appliance to which the Liner is first connected; or
- 20 years.

The conditions of the guarantee are:

- Correctly sized and installed in accordance with the manufacturer's instructions, current Building Regulations and relevant British and European standards.
- Maintained correctly by a qualified and competent person and maintenance records kept updated for both appliance and chimney/chimney liner.
- Used in combination with an appliance burning only approved fuels in accordance with Schiedel Chimney Systems and the appliance manufacturer's instructions.
- Register your product within 30 days of installation at [www.schiedel.co.uk](http://www.schiedel.co.uk) and provide us with any evidence we reasonably request to prove that your System has been fitted by a HETAS approved installer or if not, has been signed off by a Building Control Inspector prior to use.

- Familiarise yourself with the installation instructions and comply with its provisions in full during the lifetime of your usage of the product (including by keeping the required records safe). Failure to do so will invalidate any guarantee claim.

For more details about the guarantee visit our website.

For recommended fuels listings, please refer to the HETAS Guide [www.hetas.co.uk](http://www.hetas.co.uk)

In the event of a fault developing in the product due to defective materials or faulty manufacture Schiedel Chimney Systems undertake to replace the product only. Schiedel Chimney Systems cannot accept liability nor take any responsibility for the installation, building or redecorating costs or any other consequential losses arising. If any complaint is found to be a result of faulty installation, non-compliance with or abuse contrary to these conditions, the cost of site investigation is chargeable.

# Schiedel Installer Rewards

Exciting news from Schiedel Chimney Systems for Stove and Chimney Installers!

Whenever you register an installation with our easy to use, online guarantee registration portal, you will now accrue points based on the number of installations and installation type.

**Once you have reached a minimum of 25 points, you can begin to redeem them for £25 Love2Shop vouchers.**

So head on over to the portal and start to register your installations to take full advantage of our Lifetime Guarantee on ICID, and also to start earning points!





Download the **Augmented Reality Chimney Builder**, which allows you to see a stove within a room and generate a quote on your mobile device

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#### SCHIEDEL INSTALLER REWARDS

Exciting news from Schiedel Chimney Systems! Whenever you register an installation with our easy to use, online guarantee registration portal, you will now accrue points based on the number of installations and installation type to redeem for Love2Shop vouchers!



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