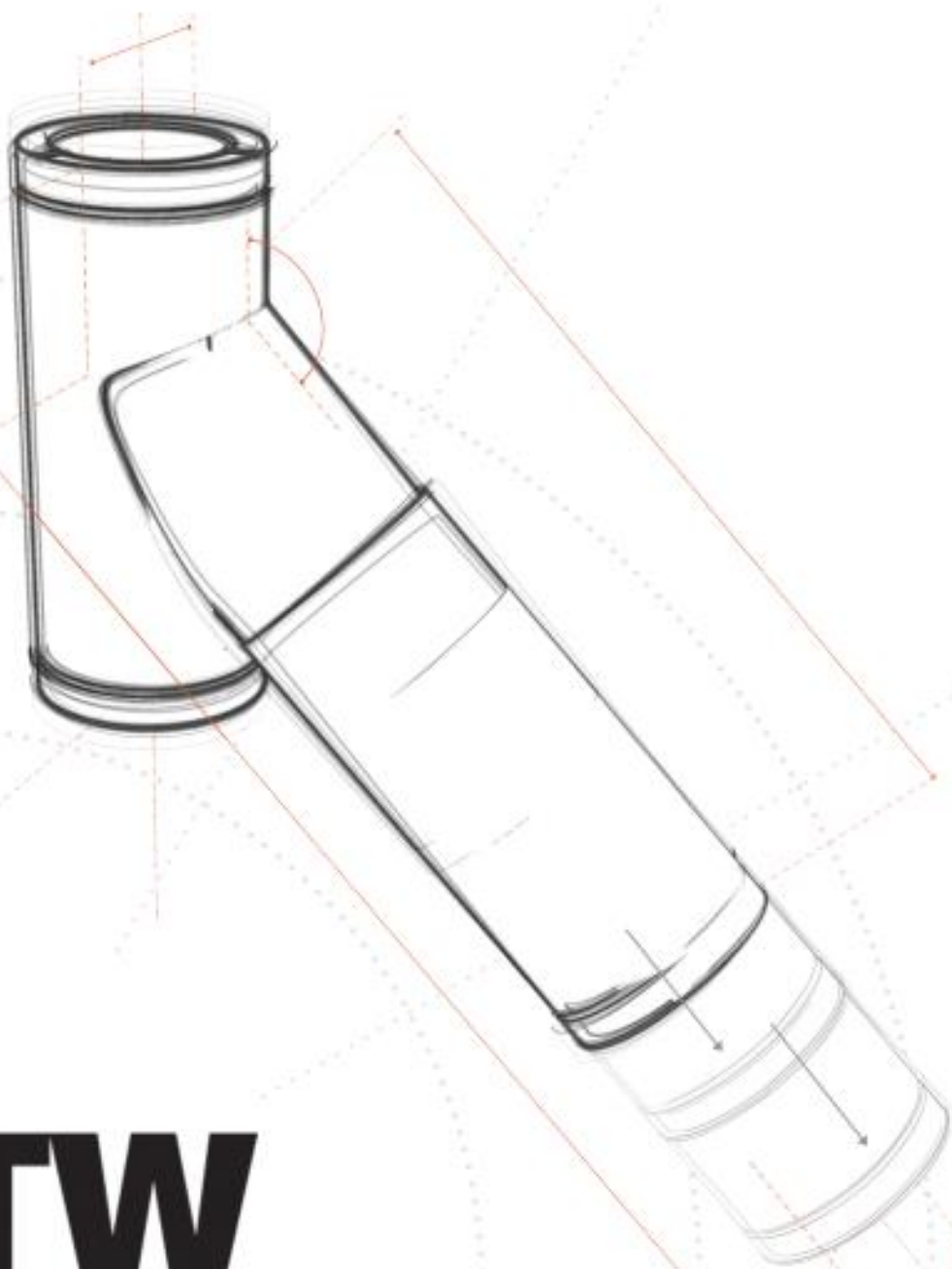


# flue&ducting

Total Chimney Solutions



# DTW





by flue & ducting ltd

TECHNICAL PAGES

## DURA TWIN WALL

Dura Twin Wall is a twin-wall insulated system appropriate for most fuel types. The biggest advantage of DTW is the fact it's been designed with installer in mind. Short and easy to fit connections, stabilizers in all elements, long adjustable tee branch, or wall bracket bases allowing to fix them to the wall without dismantling – these are just a couple of unique features the system offers. Narrow and low profile locking bands and inward-facing grooves create a very smooth looking and aesthetically pleasing design.

There are several specific elements increasing the value of the system:

135 Pre longed tee & 135 Pre longed adjustable tee	
	
Wall brackets with easy fit adjustable bar	Starter lengths with built in adaptors
	
Corner wall bracket	
	



COMPLETE RANGE



INSTALLER FRIENDLY



BESPOKE PARTS



TIME-SAVING ELEMENTS

## MATERIALS:

**LENGTHS INSULATION:** high density, pressure injected mineral insulation 30mm

**FITTINGS INSULATION:** mineral insulation 30mm

**INNER PIPE:** 0,5mm 316L (1.4404)

**OUTER PIPE:** 0,5mm 441 (1.4509)

**OUTER PIPE BLACK:** 0,5mm 441 (1.4509) RAL 9005

**OTHERS:** available on request

## FUELS:

The system can be used with gaseous and liquid fuels with sulphur content of >0,2%; wood in open furnaces and all kinds of fuels provided the working conditions stated in the designation numbers are fulfilled and the fuels are HETAS approved.

## DIAMETERS:

**STANDARD:** 130mm, 150mm, 180mm, 200mm

**OTHERS:** available on request

## APPROVALS:

T600-N1-D-V2-L50050-G50 (ventilated installation)

T600-N1-D-V2-L50050-G70 (installation in enclosure)

## DISTANCES AND MEASURES:

**WALL BRACKETS:** The tested distance between wall brackets is 4m. Please note that is a maximal length. We recommend to use a wall bracket every 2m.

**FREE END:** The tested free end above the last support subject to wind is 2,5m for diameters 130mm and 150mm and 2,0m for diameters 180mm and 200mm. Please note that is a maximal length. We recommend to use a guy bracket and guy ropes or stiff supports if the free end is more than 1,5m.

Every connection above the last support except for regular narrow locking band should be additionally secured with a wide locking band.

**MAX HEIGHT:** a chimney can be stacked up to:

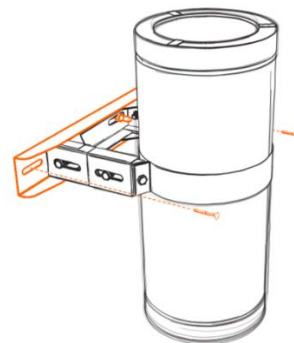
- 43m on a concrete slab
- 18m on a wall console
- 13m on a fire stop support

**NON-VERTICAL INSTALLATION:** The tested offset between supports for a 45 degree installation is 3m. Please note that is a maximal length.

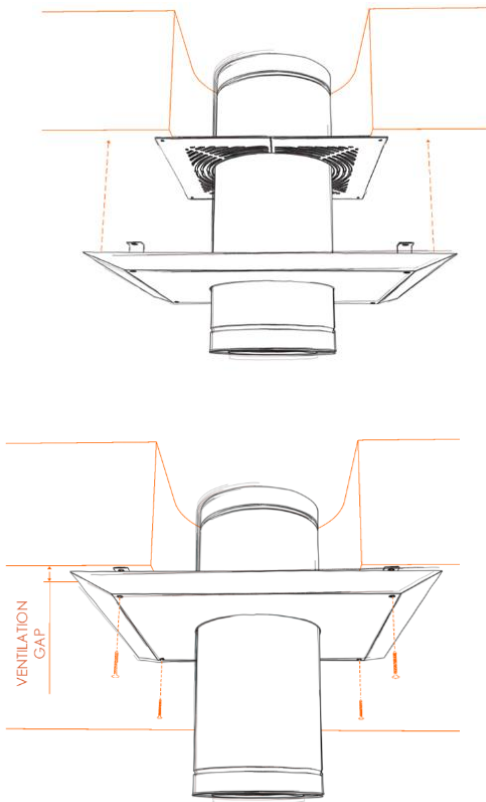
**OVERLAP:** The overlap of the elements is 35mm.

## TIPS &amp; TRICKS:

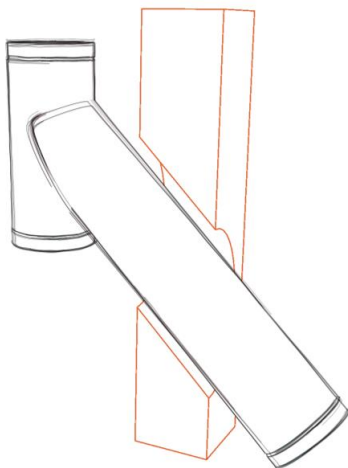
**WALL BRACKET WITH EASY FIT ADJUSTABLE BAR:** This simple solution facilitates and shortens the process of wall bracket installation. Once fitted on a pipe the wall bracket can be screwed to the wall without dismantling it thanks to its external base.



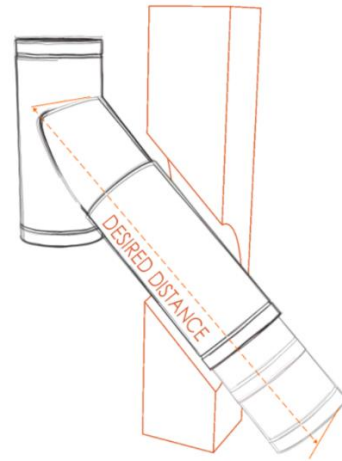
**FIRESTOP MASKING PLATE:** This element makes for a more aesthetic finish of the ceiling entry. The spacers are responsible for keeping appropriate ventilation therefore under no circumstances shall the spacers be altered in any way.



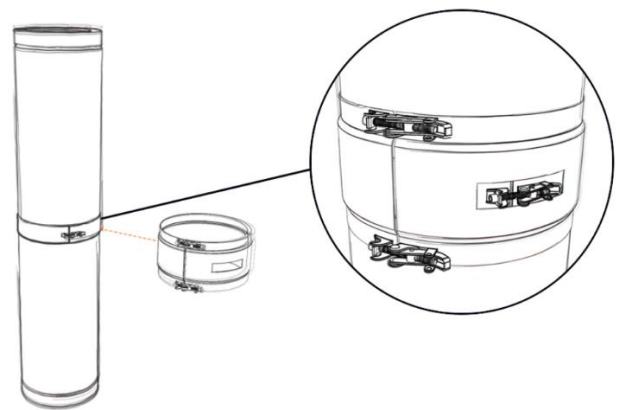
**PRE LONGED 135 TEE:** This element allows the fitter to go through a wall without the need of connecting two elements inside the wall. This significantly saves time and simplifies the installation.



**PRE LONGED ADJUSTABLE 135 TEE:** This element offers all the advantages of a tee with pre longed branch along with two more excellent functions. One – the length of the branch can be adjusted exactly to the distance that needs to be achieved. Two – it allows to disconnection of the stove without dismantling the whole flue.



**WIDE LOCKING BANDS:** This element can be used whenever a connection needs additional reinforcement. They are **OBLIGATORY TO USE** on the free end above the last point of support.

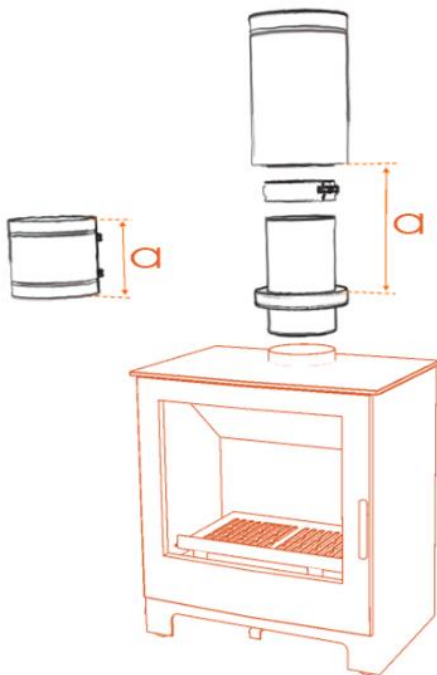


**CORNER WALL BRACKET:** This wall bracket is designed to offer a more aesthetic solution in case of a stove installed in a corner. Small angle adjustment is possible as the base crossbars are not welded together.

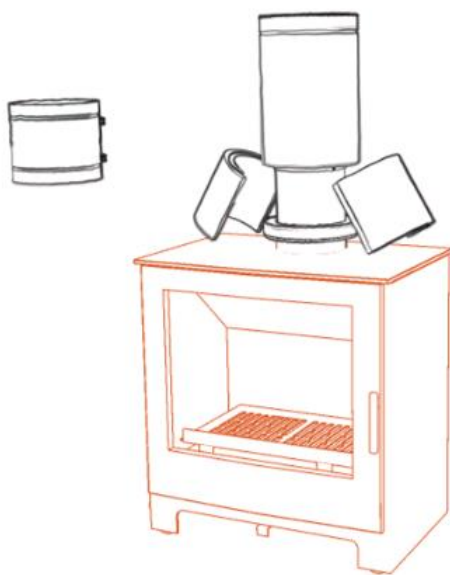


**ROOF FLASHING:** If a roof flashing is required for your installation please use Dura Flash, Dura Flash storm collar and Dura Flash glue to assure a watertight connection of the storm collar. For more details on flashing installation please refer to the Dura Flash Technical Pages.

**ADJUSTABLE ADAPTER:** adjustable starter length with built in adapter not only looks aesthetically pleasing for the end user but also gives you the installer peace of mind knowing that the stove can be fully removed to comply with current regulations. To install, slide the adapter down and clamp it with the core pipe of the top part. The distance between the top verge of the adapter's collar and the bottom verge of the top part's jacket shall be the same as the distance between the grooves in the shroud.

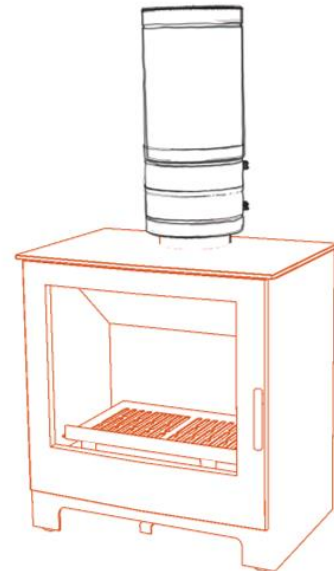


Once the appropriate distance is set, insert the insulation pieces supplied in a set. The insulation may require cutting to measure.



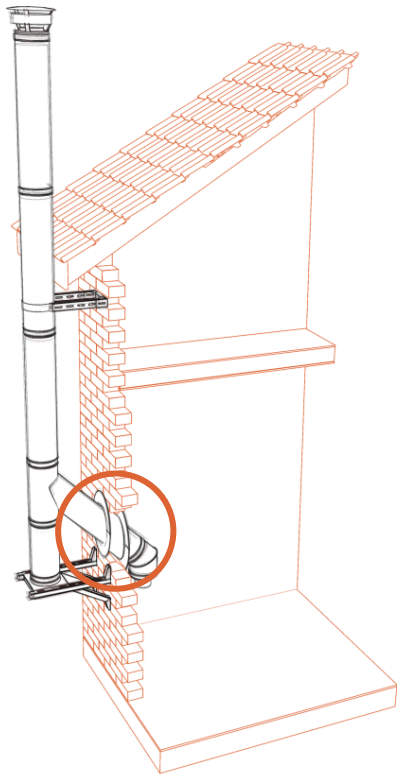
Install the shroud around the insulations in such a way that the grooves secure the distance between the top verge of the adapter's collar and the bottom verge of the top part's jacket.

A grooveless shroud may be used in case the adapter does not bear significant weight (f.ex. on a 45 Tee installation).

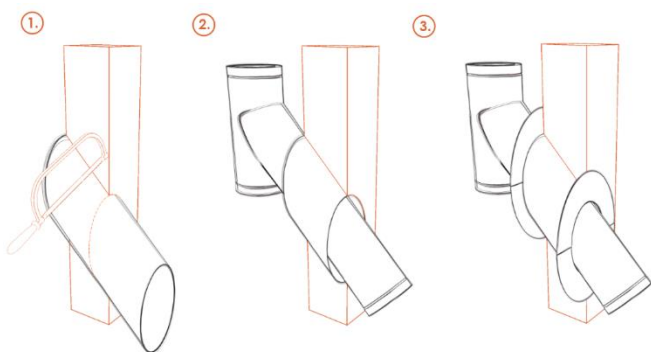


## EXTERNAL INSTALLATION:

For wall entry please use a wall sleeve. The wall sleeve secures a 20mm distance between the external pipe of the flue and the wall. In a case of uncombustible materials like brick or concrete no additional insulation is required. Should the walls be made of combustible materials please refer to HETAS and local building regulations.

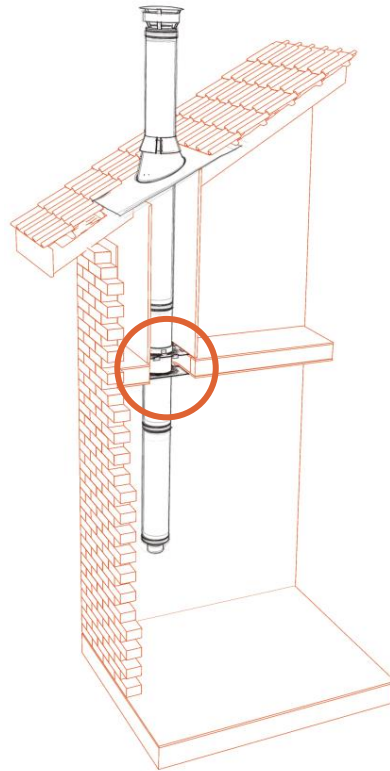


1. Install the wall sleeve in a pre-prepared wall opening. Cut the wall sleeve to the desired length.
2. Place the tee piece through the wall sleeve. Depending on the kind of tee piece you are using, add a length or extend the branch to attain the desired length.
3. Once the installation is finished fit the trim rings to cover the wall opening.

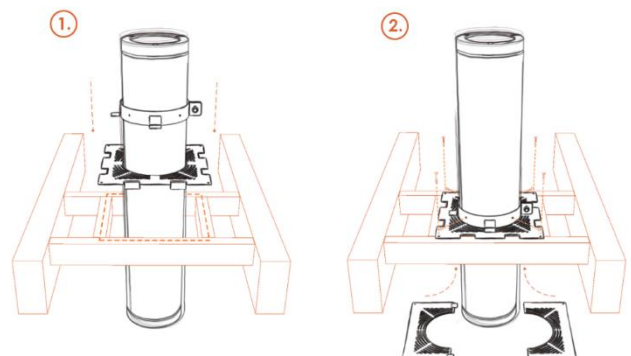


## INTERNAL INSTALLATION:

For ceiling entry please use our firestop support set. The firestop spacer supports the stack above and secures a 70mm clearance to combustible materials. When the flue is installed in an enclosure this distance shall not be altered in any way. Please make sure the joist of the flue doesn't fall inside the ceiling entry or on any of the firestop set parts.



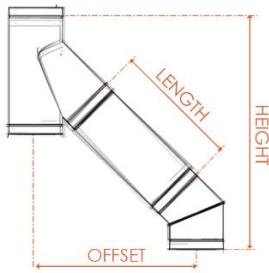
1. Put a length through a pre-prepared wood box and slide down the firestop support plate and the support clamp.
2. Screw the firestop support plate to the box and lay the support clamp on the support plate. Next, screw the support clamp directly to the jacket pipe of the length. **MAKE SURE THE SCREWS ARE SHORT ENOUGH NOT TO TOUCH OR PUNCTURE THE CORE PIPE.** Install the ventilated plate on the bottom. Additional masking plate can be mounted over the ventilated plate – see TIPS & TRICKS.



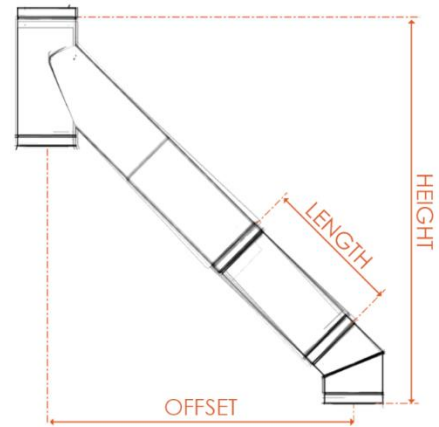


## OFFSET CHARTS:

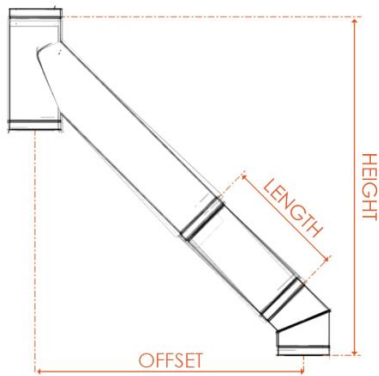
Below you will find offset charts for all product combinations.



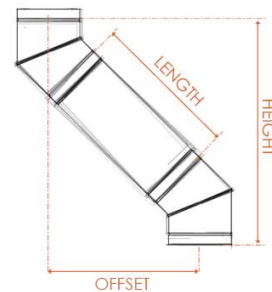
135° TEE (+ LENGTH) + 45° ELBOW OFFSET CHART			
DIAMETER	LENGTH	OFFSET	HEIGHT
5" (130mm)	none	272	496
	250mm	426	620
	500mm	603	797
	1000mm	956	1150
6" (150mm)	none	292	496
	250mm	446	650
	500mm	622	826
	1000mm	976	1180
7" (180mm)	none	321	540
	250mm	475	694
	500mm	652	871
	1000mm	1006	1225
8" (200mm)	none	341	565
	250mm	495	719
	500mm	672	896
	1000mm	1026	1250



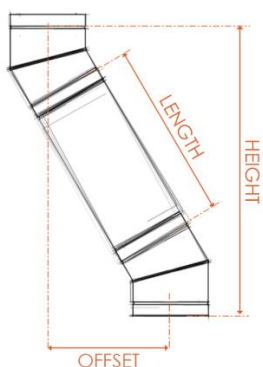
135° PRE LONGED ADJUSTABLE TEE (+ LENGTH) + 45° ELBOW OFFSET CHART			
DIAMETER	LENGTH	OFFSET	HEIGHT
5" (130mm)	none	570 - 782	764 - 976
	250mm	724 - 936	918 - 1130
	500mm	901 - 1113	1095 - 1307
	1000mm	1255 - 1467	1449 - 1661
6" (150mm)	none	580 - 792	784 - 996
	250mm	734 - 946	938 - 1150
	500mm	911 - 1123	1115 - 1327
	1000mm	1265 - 1477	1469 - 1681
7" (180mm)	none	588 - 796	807 - 1015
	250mm	742 - 951	961 - 1170
	500mm	919 - 1127	1138 - 1346
	1000mm	1272 - 1481	1491 - 1700
8" (200mm)	none	594 - 808	818 - 1032
	250mm	748 - 960	972 - 1184
	500mm	925 - 1137	1149 - 1361
	1000mm	1279 - 1491	1503 - 1715



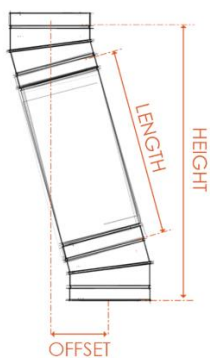
135° PRE LONGED TEE (+ LENGTH) + 45° ELBOW OFFSET CHART			
DIAMETER	LENGTH	OFFSET	HEIGHT
5" (130mm)	none	782	976
	250mm	936	1130
	500mm	1113	1307
	1000mm	1467	1661
6" (150mm)	none	792	996
	250mm	946	1150
	500mm	1123	1327
	1000mm	1477	1681
7" (180mm)	none	796	1015
	250mm	951	1170
	500mm	1127	1346
	1000mm	1481	1700
8" (200mm)	none	808	1032
	250mm	960	1184
	500mm	1137	1361
	1000mm	1491	1715



45° ELBOW (+ LENGTH) + 45° ELBOW OFFSET CHART			
DIAMETER	LENGTH	OFFSET	HEIGHT
5" (130mm)	none	131	317
	250mm	285	471
	500mm	462	648
	1000mm	816	1002
6" (150mm)	none	137	331
	250mm	291	485
	500mm	468	662
	1000mm	821	1015
7" (180mm)	none	145	351
	250mm	299	505
	500mm	476	682
	1000mm	830	1036
8" (200mm)	none	151	365
	250mm	305	519
	500mm	482	696
	1000mm	835	1049



30° ELBOW (+ LENGTH) + 30° ELBOW OFFSET CHART			
DIAMETER	LENGTH	OFFSET	HEIGHT
5" (130mm)	none	79	294
	250mm	188	483
	500mm	313	700
	1000mm	563	1133
6" (150mm)	none	82	306
	250mm	191	494
	500mm	316	711
	1000mm	566	1144
7" (180mm)	none	86	320
	250mm	195	509
	500mm	320	726
	1000mm	570	1159
8" (200mm)	none	89	332
	250mm	198	520
	500mm	323	737
	1000mm	573	1170



15° ELBOW (+ LENGTH) + 15° ELBOW OFFSET CHART			
DIAMETER	LENGTH	OFFSET	HEIGHT
5" (130mm)	none	34	263
	250mm	91	474
	500mm	155	715
	1000mm	285	1198
6" (150mm)	none	35	267
	250mm	91	477
	500mm	156	719
	1000mm	285	1202
7" (180mm)	none	36	275
	250mm	92	485
	500mm	157	727
	1000mm	286	1210
8" (200mm)	none	37	279
	250mm	93	489
	500mm	159	731
	1000mm	287	1214

## GUARANTEE TERMS AND CONDITIONS:

Flue and Ducting Ltd offer a 30 year warranty on DURA-FLUE TWIN WALL against the faulty manufacture of the product or defective fuels/materials used when system has been fitted for its sole purpose as a domestic chimney in use with Flue and Ducting Ltd recommended fuels only.

The Warranty scheme is subject to the following conditions:

- Flue and Ducting Ltd Registration card is completed by the HETAS installer on completion of work and is sent to Flue and Ducting Ltd within 30 days of job completion with all accurate information. Flue and Ducting reference numbers should be referred to in all future warranty claims.
- Any complaints should first be attended/investigated by the original HETAS engineer and if a fault/problem is found the HETAS engineer will need to report the fault/problem within 14 days to Flue and Ducting Ltd in writing with the initial registration card and all relevant information i.e. records of all proper maintenance of appliance and flue by a professional chimney sweep as recommended in our installation guide.
- The flue has been correctly installed by a HETAS registered installer and that Document J of the building regulations and our installation guide has been followed correctly.
- Appropriate distances to combustible materials are correct.
- After installation the chimney flue should be regularly checked (2-3 times per year) by a qualified chimney sweep to prevent the build-up of soot deposits in the chimney ways which can cause chimney fires, and that the collection of condensation is removed as this can cause introduction of premature corrosion. (Please see installation guide)
- The flue elements must not be damaged, modified or changed in any way before the installation is carried out. We also strongly advise you use Flue and Ducting Ltd fittings as standard alternative products used will need to be the HETAS registered listings.
- The flue must be in accordance with the appliance and existing masonry flue and surroundings, this is down to the HETAS engineer's discretion. If uncertain please check with Flue and Ducting Ltd or the manufacturer of the appliance.
- The appliance is installed, operated and maintained in accordance with the appliance manufacturer's warranty/instructions and complies with HETAS and Document J of the Building regulations.
- If any fault/problem should be found to be external of the chimney flue i.e. appliance, operation, installation or other the site survey will be chargeable at Flue and Ducting Ltd's discretion.

Should Flue and Ducting Ltd find that the flue supplied is of poor manufacture and does not meet the standard requirements, Flue and Ducting Ltd will offer a complete replacement element free of charge subject to the terms above.

This warranty only covers the cost of the replacement product and does NOT cover the cost of any external components, fixings, fittings, building work, installation or any other product other than the product supplied. All of which is the responsibility of the customer and this warranty is agreed when the sale of the product has taken place.

Reasonable efforts will always be made by Flue and Ducting Ltd to resolve the situation but please note that NO cash or any other payment types will be offered instead of the replacement product. The replacement of the product is the only offer that will be made in a warranty claim. The purchase of this product indicates that you agree to Flue and Ducting Ltd's warranty policy.

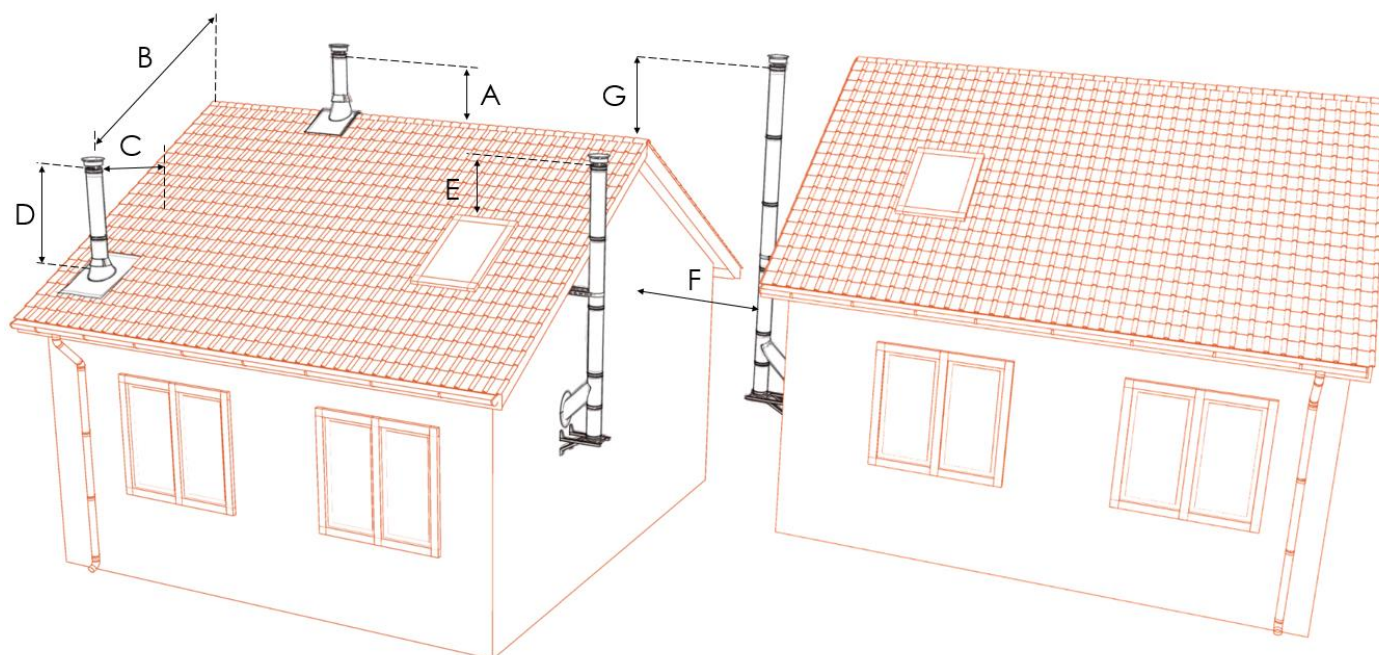
This warranty only applies in the UK, Flue and Ducting Ltd offer no warranty, further customer service or take any responsibility for the product when the product leaves the UK.

This warranty does NOT cover any of our products if installed with fully condensing boilers, or where harmful/dangerous gasses/chemical fumes are being used such as chlorine or halogenic vapours.



## SOLID FUEL FLUE TERMINATION CHART

(see Gas Vent Technical Pages for gas flue termination chart)



The chart is based on the Document J of the building regulations for solid and oil fired appliances. For more details refer to current Building Regulations and National Standards. All the below are minimum measures measured from the top of the flue excluding terminals.

- A. 600mm above the roof ridge
- B. If this measure is less than 600mm from the roof ridge, the height (D) should be 600mm above the roof ridge or
- C. 2,3m measured horizontally from the surface of the roof
- D. 1m with the provision of securing the C measure, or 600mm above the roof ridge if less than 600mm
- E. 1m above the top of a flat roof and any openable window, roof light, ventilator, etc.
- F. 2,3m
- G. If F is less than 2,3m then

## IMPORTANT INFORMATION

Most installations of solid fuel and wood biomass appliances and systems are subject to the requirements of Building Regulations and are notifiable to the Local Authority in your area by law.

HETAS registered installers can self-certify their work, thus avoiding the need for costly and time consuming Building Notice applications to the local Building Control Department. HETAS Registered Businesses leave the customer with a Compliance Certificate and send a copy to HETAS for onward notification to the Local Authority.

This is a simple and effective process costing a few pounds whereas the local authority Building Notice can cost hundreds of pounds in some cases. The Certificates issued by HETAS and the notifications to Local Authority are important records demonstrating that work was done legally by registered, competent businesses and individuals and records that the registered business carried out the work in accordance with Building Regulations.

When people sell their houses the information about work carried out under the Building Regulations in England & Wales is used by Solicitors on their inquiry forms and failure to demonstrate compliant work where applicable can adversely affect the sale of properties.

The information gathered in this way may be used in any future home information pack (HIP) requirement and Local Authorities are already required by law to hold such information.

Please note, all information given in this technical documentation is a guideline only. The products should only be fitted by a legally qualified person. Flue and Ducting Ltd cannot take responsibility for any installations.

It is required by law that a carbon monoxide alarm must be fitted with every new solid fuel appliance.

## Warranty Registration Form

Installation address:

Product description	
Name of the company the product was purchased from	
Date of purchase	
Installers name and contact details	
Installers - HETAS/Gas safe/Offttech Registration.	
Date of installation.	
Type of appliance being used with Flue & Ducting Ltd product.	
Type of fuel being used and estimated usage.	

FOR YOUR WARRANTY TO BE ACTIVATED YOU MUST FILL OUT THE WARRANTY FORM WITHIN 30 DAYS OF INSTALLATION.

	BS EN 1856-1	T600	N1	D	V2	L50	050	G	50
Standard number									
Temperature rating									
Pressure rating									
Condensate resistance									
Corrosion resistance									
Liner material									
Material thickness									
Soot fire resistance									
Distance to combustibles									

**TERMS OF PAYMENT**

Subject to any special terms agreed in writing between the Buyer and Flue and Ducting Limited, Flue and Ducting Limited shall be entitled to invoice the Buyer for the price of the Goods on or at any time after despatch of the Goods, unless the Goods are to be collected by the Buyer or the Buyer wrongfully fails to take delivery of the Goods, in which event, Flue and Ducting Limited shall be entitled to invoice the Buyer for the price at any time after Flue and Ducting Limited has notified the Buyer that the Goods are ready for collection or (as the case may be) Flue and Ducting Limited has tendered delivery of the Goods.

The Buyer shall pay the price of the Goods upon despatch of the Goods unless otherwise agreed in writing. Where Flue and Ducting Limited has agreed to credit terms the Buyer shall pay the price of the Goods (less any discount to which the Buyer is entitled, but without any other deduction) within 30 days from the date of the invoice, and Flue and Ducting Limited shall be entitled to recover the price, notwithstanding that delivery may not have taken place and the property in the Goods has not passed to the Buyer. The time of payment of the price shall be of the essence of the Contract.

Receipts for payment will be issued only upon request.

In respect of any services provided by Flue and Ducting Limited, Flue and Ducting Limited's standard charges and any additional sums payable shall be paid by the Buyer (together with any applicable Value Added Tax (VAT), and without any set-off or other deduction) within 30 days from the date on the invoice.

If the Buyer fails to make any payment by the due date then, without prejudice to any other right or remedy to Flue and Ducting Limited, Flue and Ducting Limited shall be entitled to:

1. Cancel the Contract, or suspend any further deliveries or service to the Buyer
2. Appropriate any payment made by the Buyer to such of the Goods (or the goods supplied under any other contract between the Buyer and Flue and Ducting Limited), or service as Flue and Ducting Limited may think fit (notwithstanding any purported appropriation by the Buyer.
3. Charge the Buyer interest (both before and after any judgement) on the amount unpaid at the rate of 8% per annum above the National Westminster Bank base rate until payment in full is made (a part of a month being treated as a full month for the purpose of calculating interest).

**Flue & Ducting Ltd**  
**STOCKPORT**

Unit D6,  
Stockport Trading Estate,  
Yew Street, Stockport SK4 2JZ

**Flue & Ducting Ltd**  
**WELLINGTON**

8E Castle Road,  
Chelston Business Park,  
Wellington, TA21 9JQ

**Flue & Ducting Ltd**  
**BALLYCLARE**

Unit 16,  
Avondale Business Park  
Ballyclare, BT39 9AU

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# flue&ducting

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## Flue and Chimney Supplies



To order please:

**Log in:** [www.flue-ducting.co.uk](http://www.flue-ducting.co.uk)

**Email:** [sales@flue-ducting.co.uk](mailto:sales@flue-ducting.co.uk)

**Call:** 0161 480 2994

or collect from our trade counter

