

EXCELSIOR PLUS

TWIN WALL INSULATED CHIMNEY SYSTEM

Quality twin wall chimney system
for wood burning and multi-fuel stoves

Manufactured and approved to
European Standard **EN1856-1** with
designation **T450 N1 D VM L50040 G(50)**

CE
APPROVED

316L inner liner material specification
and 304 outer liner material specification
with 15 year warranty

Eight-barb quick lock jointing system

100% MANUFACTURED IN THE UK

Broad range of components



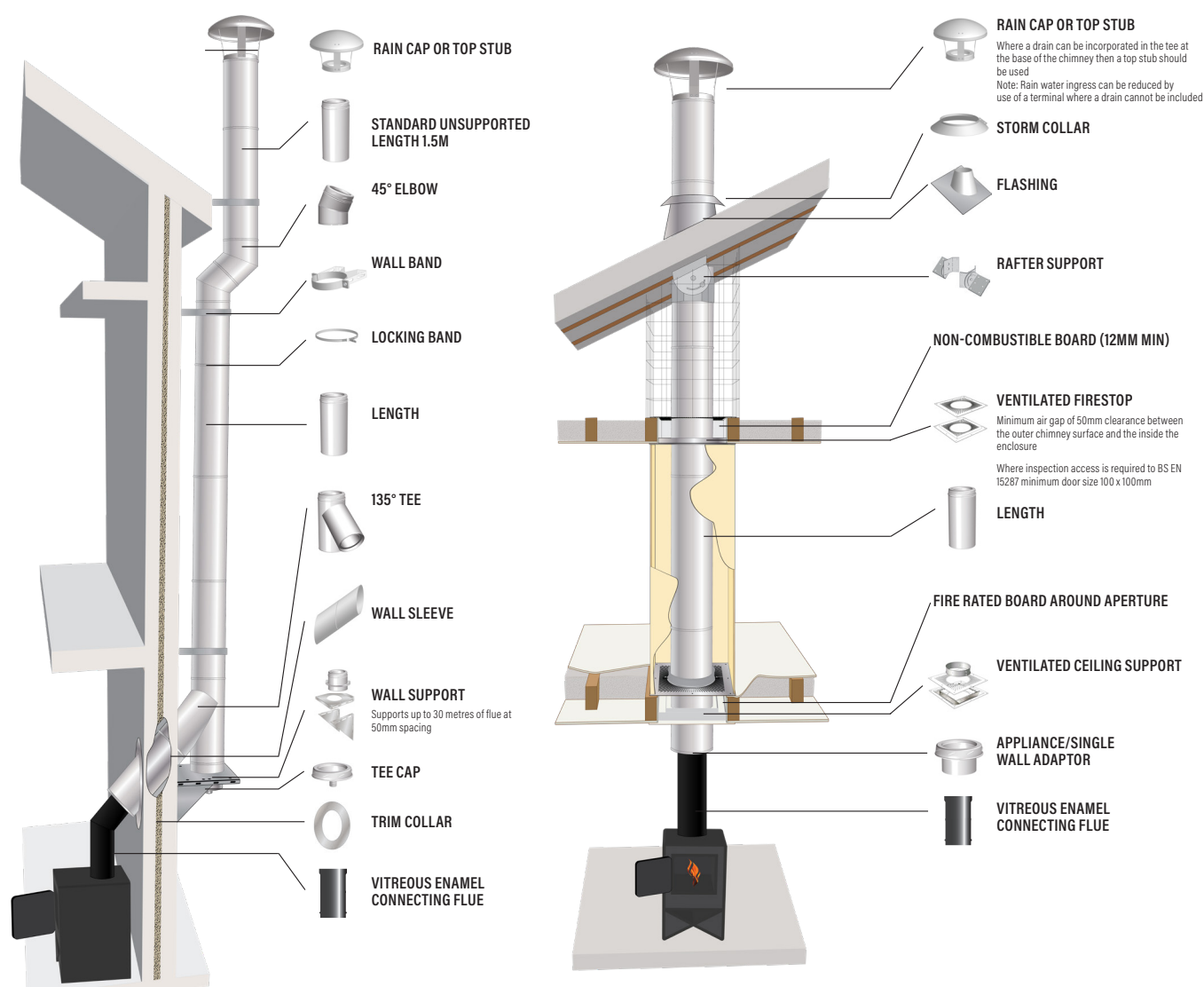
DOCHERTY
TRADE

EXCELSIOR PLUS

TWIN WALL INSULATED CHIMNEY SYSTEM



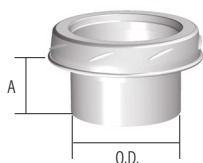
FUEL TYPE	Gas and oil and approved solid fuels - only suitable for dry, non-condensing applications
DIAMETER RANGE	127mm, 152mm, 178mm, 203mm
JOINT METHOD	Male spigot, female socket push fit and locking band
INNER LINER MATERIAL	0.4mm grade 316L stainless steel
OUTER CASING MATERIAL	0.4mm grade 304 stainless steel
INSULATING MATERIAL	25mm mineral wool
DESIGNATIONS	BS EN1856-1 T450 N1 D Vm L50040 G(50)
MAXIMUM OPERATING TEMPERATURE	450°C negative pressure
FINISH	Stainless or Black (suffix 'P' to item code for painted option)
WARRANTY	15 years conditional warranty



STARTING COMPONENTS

APPLIANCE ADAPTOR

Used to connect the appliance outlet to the Excelsior Plus chimney system. Also used to connect Excelsior Plus to single wall connecting flue pipe.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
HEIGHT (A)	36MM	36MM	36MM	36MM
O.D.	123MM	148MM	178MM	198MM
CODE	XPAD13	XPAD15	XPAD18	XPAD20
PRICE (S/S)	£28.09	£30.99	£34.39	£37.30
PRICE (BLACK)	£31.74	£35.02	£38.86	£42.15

SHORT TAPERED ADAPTOR

Used to provide an aesthetically pleasing connection from the appliance outlet to the Excelsior Plus chimney system. Also used to connect Excelsior Plus to single wall connecting flue pipe.

DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPSTA13	XPSTA15	XPSTA18	XPSTA20
PRICE (S/S)	£83.67	£89.72	£97.74	£101.54
PRICE (BLACK)	£96.23	£103.18	£112.40	£116.77

UNIVIT ADAPTOR

Used to connect Univit vitreous enamel connecting flue to the Excelsior Plus chimney system.

DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	120MM	145MM	170MM	195MM
B	123MM	148MM	178MM	198MM
CODE	XPCA1013	XPCA1015	XPCA1018	XPCA1020
PRICE (S/S)	£36.40	£40.35	£44.81	£47.19
PRICE (BLACK)	£43.68	£48.42	£53.77	£56.63

STRAIGHT LENGTHS

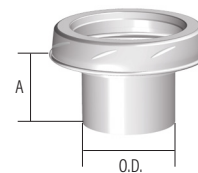
Twin wall straight lengths for the Excelsior Plus chimney system.



	1200MM	1000MM	500MM	300MM	120MM
Ø127MM	XP1213	XP10013	XP5013	XP3013	XP01213
PRICE (S/S)	£129.77	£102.83	£68.18	£47.04	£33.52
PRICE (BLACK)	£146.64	£116.21	£77.05	£53.16	£37.88
Ø152MM	XP1215	XP10015	XP5015	XP3015	XP01215
PRICE (S/S)	£163.55	£128.05	£77.69	£54.28	£39.51
PRICE (BLACK)	£184.81	£144.70	£87.79	£61.34	£44.65
Ø178MM	XP1218	XP10018	XP5018	XP3018	XP01218
PRICE (S/S)	£182.48	£139.16	£91.40	£64.48	£46.18
PRICE (BLACK)	£206.20	£157.25	£103.28	£72.86	£52.18
Ø203MM	XP1220	XP10020	XP5020	XP3020	XP01220
PRICE (S/S)	£199.96	£151.47	£99.00	£69.21	£48.29
PRICE (BLACK)	£225.95	£171.15	£111.87	£78.21	£54.57

INCREASING ADAPTOR

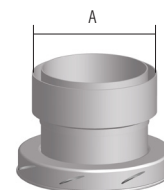
Used to increase the appliance outlet size by one diameter.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
HEIGHT (A)	30MM	30MM	30MM	30MM
O.D.	97MM	123MM	148MM	173MM
CODE	XPIA1013	XPIA1315	XPIA1518	XPIA1820
PRICE (S/S)	£59.52	£66.59	£67.56	£70.87
PRICE (BLACK)	£67.26	£75.25	£76.34	£80.08

ADAPTOR TO FLEX

Used to connect Excelsior Plus to a flexible flue liner.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	137MM	163MM	188MM	217MM
CODE	XPAF13	XPAF15	XPAF18	XPAF20
PRICE (S/S)	£34.19	£35.55	£37.28	£40.52

UNIVIT INCREASING ADAPTOR

Used to connect Univit vitreous enamel connecting flue to the Excelsior Plus chimney system with a 1" increase.

DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPCIA1013	XPCIA1315	XPCIA1518	XPCIA1820
PRICE (S/S)	£59.52	£66.59	£67.56	£70.87
PRICE (BLACK)	£67.26	£75.25	£76.34	£80.08

ADJUSTABLE LENGTHS

The two-part adjustable lengths are supplied with separate insulating material for insertion into the annulus once the installed length has been determined. As the insulation density is installed on site we recommend that this component is located at least 300mm from any combustible material.



	200MM - 325MM	350MM - 530MM	500MM TO 850MM
Ø127MM	XPADJS13	XPADJ13	XPADJL13
PRICE (S/S)	£98.41	£145.78	£168.51
PRICE (BLACK)	£111.20	£164.73	£184.18
Ø152MM	XPADJS15	XPADJ15	XPADJL15
PRICE (S/S)	£110.61	£155.48	£189.25
PRICE (BLACK)	£124.99	£175.69	£206.27
Ø178MM	XPADJS18	XPADJ18	XPADJL18
PRICE (S/S)	£130.22	£177.37	£213.41
PRICE (BLACK)	£147.15	£200.43	£231.94
Ø203MM	XPADJS20	XPADJ20	XPADJL20
PRICE (S/S)	£144.36	£197.61	£239.89
PRICE (BLACK)	£163.13	£223.30	£259.77

SLIP SECTION ADJUSTABLE LENGTH

Designed for use with a standard length to allow greater flexibility on site, where standard length configurations are not suitable for the required distance.

DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPSSL13	XPSSL15	XPSSL18	XPSSL20
PRICE (S/S)	£102.01	£110.34	£125.10	£132.08
PRICE (BLACK)	£114.42	£123.91	£141.37	£149.25



ADJUSTABLE CLAMP BAND FOR SLIP SECTION

Clamping band for use with slip section adjustable length.

DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPCB13	XPCB15	XPCB18	XPCB20
PRICE (S/S)	£16.39	£16.86	£18.30	£18.71
PRICE (BLACK)	£25.72	£27.23	£29.69	£31.13

ELBOWS / TEES

15° ELBOW

See technical data on page 21 for dimensions. Supplied with an unbarbed female coupler and screw-toggle type locking band for rigid joint bracing, especially when used as an offset around gutters and fascia boards.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPB1513	XPB1515	XPB1518	XPB1520
PRICE (S/S)	£85.91	£95.73	£110.01	£115.67
PRICE (BLACK)	£97.08	£108.18	£124.31	£130.71

45° ELBOW

See technical data on page 21 for dimensions. Supplied with an unbarbed female coupler and screw-toggle type locking band for rigid joint bracing, especially when used as an offset around gutters and fascia boards.

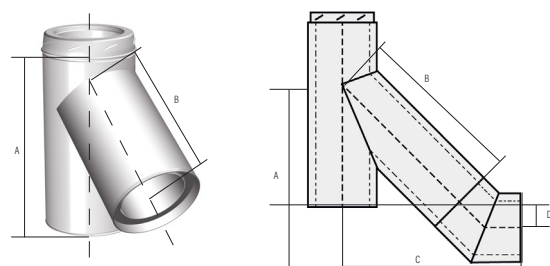


DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPB4513	XPB4515	XPB4518	XPB4520
PRICE (S/S)	£85.91	£95.73	£110.01	£115.67
PRICE (BLACK)	£97.08	£108.18	£124.31	£130.71

135° TEE

Used at the base of a vertical chimney, or to allow a smooth transition from the horizontal to vertical plain when used with a 45° elbow. The coupler on the branch is unbarbed to allow unlimited rotational adjustment and provided with an adjustable screw-toggle locking band.

DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	495MM	495MM	745MM	745MM
B	340MM	375MM	420MM	450MM
C	388MM	422MM	463MM	492MM
D	38MM	45MM	54MM	60MM
CODE	XPT4513	XPT4515	XPT4518	XPT4520
PRICE (S/S)	£219.32	£236.25	£250.73	£275.99
PRICE (BLACK)	£247.83	£266.96	£283.32	£311.87



30° ELBOW

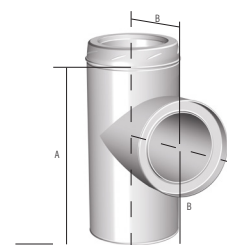
See technical data on page 21 for dimensions. Supplied with an unbarbed female coupler and screw-toggle type locking band for rigid joint bracing, especially when used as an offset around gutters and fascia boards.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPB3013	XPB3015	XPB3018	XPB3020
PRICE (S/S)	£85.91	£95.73	£110.01	£115.67
PRICE (BLACK)	£97.08	£108.18	£124.31	£130.71

90° TEE

Used as the entry to a vertical chimney from a horizontal stove outlet or as an inspection opening.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	300MM	325MM	350MM	375MM
B	150MM	162MM	175MM	187MM
CODE	XPT9013	XPT9015	XPT9018	XPT9020
PRICE (S/S)	£183.75	£196.24	£218.08	£270.19
PRICE (BLACK)	£207.64	£221.75	£246.43	£305.31

TEE PLUG

Used to close off the branch or base of a tee or for use as an access/inspection component.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPT13	XPT15	XPT18	XPT20
PRICE (S/S)	£31.47	£35.58	£39.45	£45.04
PRICE (BLACK)	£35.56	£40.21	£44.58	£50.90

DRAIN PLUG

Used at the bottom of a vertical chimney to facilitate drainage. Fitted with a stainless steel 1" BSP external thread drain connection.

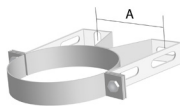


DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
HEIGHT (L)	XPRBK13	XPRBK15	XPRBK18	XPRBK20
PRICE (S/S)	£54.68	£58.78	£62.60	£63.86
PRICE (BLACK)	£61.79	£66.42	£70.74	£72.16

SUPPORT COMPONENTS

WALL BAND

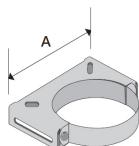
Wall bands provide lateral support for the chimney and must be used at intervals not exceeding 3.0 metres beyond any load bearing support.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	142MM	162MM	192MM	212MM
CODE	XPWB13	XPWB15	XPWB18	XPWB20
PRICE (S/S)	£36.18	£37.21	£38.32	£39.25
PRICE (BLACK)	£40.89	£42.06	£43.30	£44.36

HEAVY DUTY WALL BAND

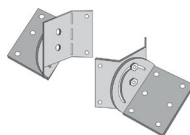
Wall bands provide lateral support for the chimney and must be used at intervals not exceeding 3.0 metres beyond any load bearing support.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	250MM	270MM	300MM	320MM
CODE	XPHDWB13	XPHDWB15	XPHDWB18	XPHDWB20
PRICE (S/S)	£38.95	£41.73	£45.35	£48.27
PRICE (BLACK)	£46.74	£47.99	£52.15	£55.51

UNIVERSAL ROOF SUPPORT

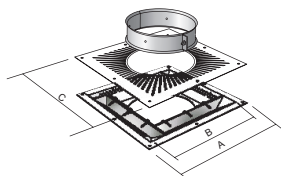
Provided with adjustable and locking gimbal plates to permit a chimney to be supported on roof joists, trussed rafters etc.



DIAMETER (Ø)	ALL
CODE	XPURSB
PRICE	£46.35

VENTILATED FIRE STOP KIT

Used to both support and firestop the chimney system when it passes through the first combustible floor directly above the appliance.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	361MM	381MM	411MM	431MM
B	281MM	301MM	331MM	351MM
C	379MM	399MM	429MM	453MM
CODE	XPVFSK13	XPVFSK15	XPVFSK18	XPVFSK20
PRICE (S/S)	£201.86	£212.80	£234.56	£237.38
PRICE (BLACK)	£207.37	£218.60	£265.06	£268.24
PRICE (WHITE)	£207.37	£218.60	£265.06	£268.24

ROOF SUPPORT

Provided with adjustable and locking gimbal plates to permit a chimney to be supported on roof joists, trussed rafters etc.



DIAMETER (Ø)	(5")	(6")	(7")	(8")
CODE	XPRSB13	XPRSB15	XPRSB18	XPRSB20
PRICE	£75.43	£75.78	£76.34	£76.69

WALL BAND EXTENSION SET 50-100MM

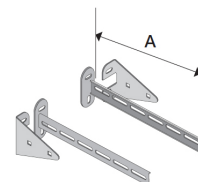
Used with wall bands, these components allow the clearance between the wall and outer surface of the chimney to be increased. Load bearing reduced to 2.5m where used.



COLOUR	STAINLESS	BLACK
CODE	XPWBE	XPWBEP
PRICE	£17.61	£19.90

EXTENSION BRACKETS FOR HEAVY DUTY WALL BAND

Wall bands provide lateral support for the chimney and must be used at intervals not exceeding 3.0 metres beyond any load bearing support.



SIZE	SHORT	MEDIUM	LONG
A	324MM	395MM	600MM
CODE	XPWBES	XPWBEM	XPWBEL
PRICE (S/S)	£35.78	£38.95	£45.61
PRICE (BLACK)	£40.44	£44.01	£51.54

GUY WIRE BRACKET

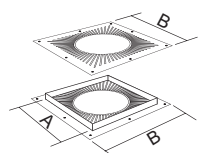
A clamping collar for the attachment of struts/supports.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPGWB13	XPGWB15	XPGWB18	XPGWB20
PRICE (S/S)	£22.12	£22.78	£23.34	£25.54
PRICE (BLACK)	£25.00	£25.74	£26.38	£28.86

VENTILATED FIRE STOP

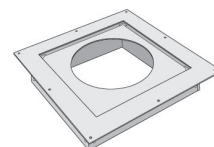
Used where the chimney passes through the upper combustible floors and where sections below the floor are enclosed within a non combustible shaft. This item is non load-bearing.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	281MM	301MM	331MM	355MM
B	379MM	399MM	429MM	453MM
CODE	XPFSP13	XPFSP15	XPFSP18	XPFSP20
PRICE (S/S)	£105.99	£116.32	£133.11	£155.10
PRICE (BLACK)	£119.77	£131.44	£150.41	£178.26

DECORATIVE VENTILATED FIRESTOP

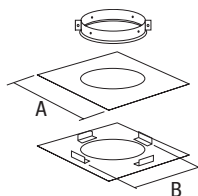
Offers an aesthetically pleasing flat appearance where the chimney passes through the ceiling penetration and uses minimal ventilation openings. This component is finished in a high quality white powder coated finish.



DIAMETER (Ø)	(5")	(6")	(7")	(8")
CODE	XPDVFSK13	XPDVFSK15	XPDVFSK18	XPDVFSK20
PRICE	£131.00	£138.09	£152.24	£154.06

CEILING SUPPORT

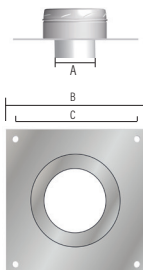
Provides a 50mm air gap clearance to a penetrated floor or ceiling and is only used where Excelsior Plus penetrates a non-combustible floor, and / or services a gas or oil fired appliance where the flue gas temperature does not exceed 250°C.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	330MM	355MM	381MM	406MM
B	280MM	305MM	331MM	356MM
CODE	XPCSP13	XPCSP15	XPCSP18	XPCSP20
PRICE	£65.91	£71.28	£76.33	£79.70

ANCHOR PLATE

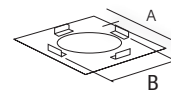
Designed to be used when connecting Excelsior Plus to a lintel or pre-cast chamber. A short section of liner projects a nominal 150mm through the bottom of the plate. Maximum Load: 13m.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	128MM	153MM	179MM	204MM
B	400MM	400MM	400MM	400MM
C	350MM	350MM	350MM	350MM
CODE	XPFC13	XPFC15	XPFC18	XPFC20
PRICE	£49.74	£54.53	£61.72	£72.31

FIRE STOP SPACER

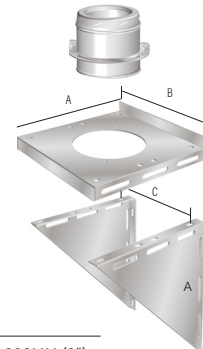
Used to provide location, fire and dust stopping where Excelsior Plus is used through non-combustible floors, and / or serves a gas or oil fired appliance where the flue gas temperatures does not exceed 250°C. This item is not load bearing.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	330MM	355MM	381MM	406MM
B	280MM	305MM	331MM	356MM
CODE	XPFS13	XPFS15	XPFS18	XPFS20
PRICE	£16.35	£18.98	£20.39	£20.84

WALL SUPPORT KIT

Used to take the vertical load of the chimney when supported from a wall. The support bracket is fully adjustable allowing varying clearances from the wall (50mm as standard). Requires M10 wall fixings.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	282MM	302MM	331MM	355MM
B	311MM	331MM	360MM	384MM
C	265MM	285MM	314MM	338MM
CODE	XPWSB13	XPWSB15	XPWSB18	XPWSB20
PRICE (S/S)	£205.13	£236.34	£255.13	£277.82
PRICE (BLACK)	£231.80	£267.06	£288.30	£313.94

TERMINALS / ACCESSORIES

RAIN CAP

The Rain Cap offers a degree of protection from rain and is suitable for solid fuel and oil fired appliances.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	109MM	95.5MM	131MM	122MM
CODE	XPRC13	XPRC15	XPRC18	XPRC20
PRICE (S/S)	£54.51	£59.59	£69.83	£79.07
PRICE (BLACK)	£61.60	£67.34	£78.91	£89.35

RAIN CAP WITH MESH

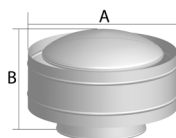
The Rain Cap with 1" mesh offers protection from rain and is suitable for solid fuel and oil fired appliances.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	109MM	95.5MM	131MM	122MM
CODE	XPRCM13	XPRCM15	XPRCM18	XPRCM20
PRICE (S/S)	£79.68	£82.62	£91.87	£99.13
PRICE (BLACK)	£90.04	£93.36	£103.81	£112.02

STORM COWL

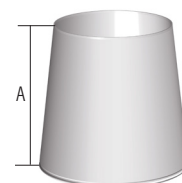
The Storm Cowl is designed to offer the maximum protection against driving rain and strong winds.



DIAMETER (Ø)	5"	6"	7"	8"
A	294MM	319MM	344MM	369MM
B	165MM	165MM	165MM	165MM
CODE	XPSTCL13	XPSTCL15	XPSTCL18	XPSTCL20
PRICE	£95.38	£104.59	£105.47	£110.44

TOP STUB

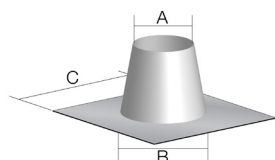
The terminal offers the least resistance to flue gases and is ideal for solid fuel and oil fired appliances, providing there is drainage at the base of the chimney.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	228MM	228MM	228MM	228MM
CODE	XPTS13	XPTS15	XPTS18	XPTS20
PRICE (S/S)	£61.66	£65.40	£72.66	£84.27
PRICE (BLACK)	£69.67	£73.90	£82.10	£95.23

FLAT FLASHING

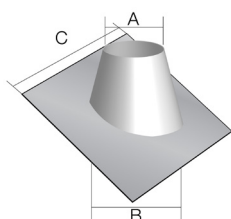
Aluminum flashing for flat or nearly flat roofs.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	190MM	210MM	235MM	260MM
B	280MM	300MM	325MM	350MM
C	495MM	495MM	660MM	660MM
CODE	XPFF13	XPFF15	XPFF18	XPFF20
PRICE	£54.35	£57.41	£64.60	£68.54

32° TO 45° FLASHING

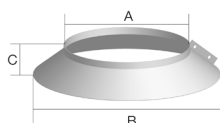
Aluminum flashing for high pitched roofs.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	190MM	210MM	235MM	260MM
B	375MM	403MM	440MM	475MM
C	660MM	660MM	820MM	820MM
CODE	XPLF13	XPLF15	XPLF18	XPLF20
PRICE	£64.60	£68.63	£88.80	£92.85

STORM COLLAR

Used to weather the top of the flashing, supplied with a tube of silicon sealant.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	177MM	202MM	227MM	252MM
B	280MM	301MM	330MM	351MM
C	70MM	70MM	70MM	70MM
CODE	XPSC13	XPSC15	XPSC18	XPSC20
PRICE (S/S)	£20.97	£22.42	£25.62	£27.18
PRICE (BLACK)	£23.70	£25.33	£28.95	£30.70

STANDARD CLIP LOCKING BAND

The locking band must be used on all joints and is included with each component having a female coupler.

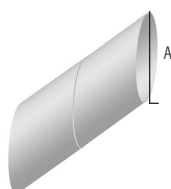


DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPCLB13	XPCLB15	XPCLB18	XPCLB20
PRICE (S/S)	£10.03	£10.20	£10.43	£10.72
PRICE (BLACK)	£11.33	£11.42	£11.79	£12.11

WALL SLEEVE

Must be used where a 135° tee is used to pass the chimney through an external wall and thus providing a continuous, uninterrupted run through the wall. Provides 50mm clearance as standard. Adjustable for a wall thickness of 200mm - 380mm.

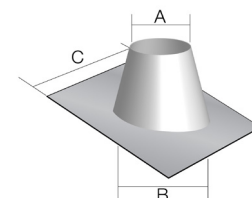
Important: Once extended, the joint must be secured with self-tapping screws and covered around the circumference with a heat resistant foil duct tape.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	280MM	300MM	330MM	350MM
CODE	XPWS13	XPWS15	XPWS18	XPWS20
PRICE	£55.07	£82.38	£104.16	£107.64

5° TO 30° FLASHING

Aluminum flashing for low pitched roofs.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
A	190MM	210MM	235MM	260MM
B	280MM	300MM	325MM	350MM
C	495MM	660MM	660MM	660MM
CODE	XPSF13	XPSF15	XPSF18	XPSF20
PRICE	£54.35	£57.41	£64.60	£68.54

TRIM COLLAR

The trim collar is a polished stainless steel circular collar with a nominal 105mm wide circular flange. This item is used to offer an aesthetic closing ring where a chimney passes through an outside wall.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPTP13	XPTP15	XPTP18	XPTP20
PRICE (S/S)	£19.50	£19.70	£20.20	£22.40
PRICE (BLACK)	£22.04	£22.20	£22.83	£25.31

45° TRIM PLATE

The wall cover ring is designed to offer an aesthetic trim around the chimney where it penetrates a wall at a 45° angle.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPETP13	XPETP15	XPETP18	XPETP20
PRICE (S/S)	£21.30	£23.94	£25.25	£28.00
PRICE (BLACK)	£24.10	£27.05	£28.54	£31.64

SCREW TOGGLE LOCKING BAND

The screw toggle locking band is provided as standard with the unbarbed female coupler on elbows and 135° tee branches.



DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPLB13	XPLB15	XPLB18	XPLB20
PRICE (S/S)	£11.19	£11.39	£11.58	£11.88
PRICE (BLACK)	£12.65	£12.87	£13.09	£13.42

STRUCTURAL LOCKING BAND

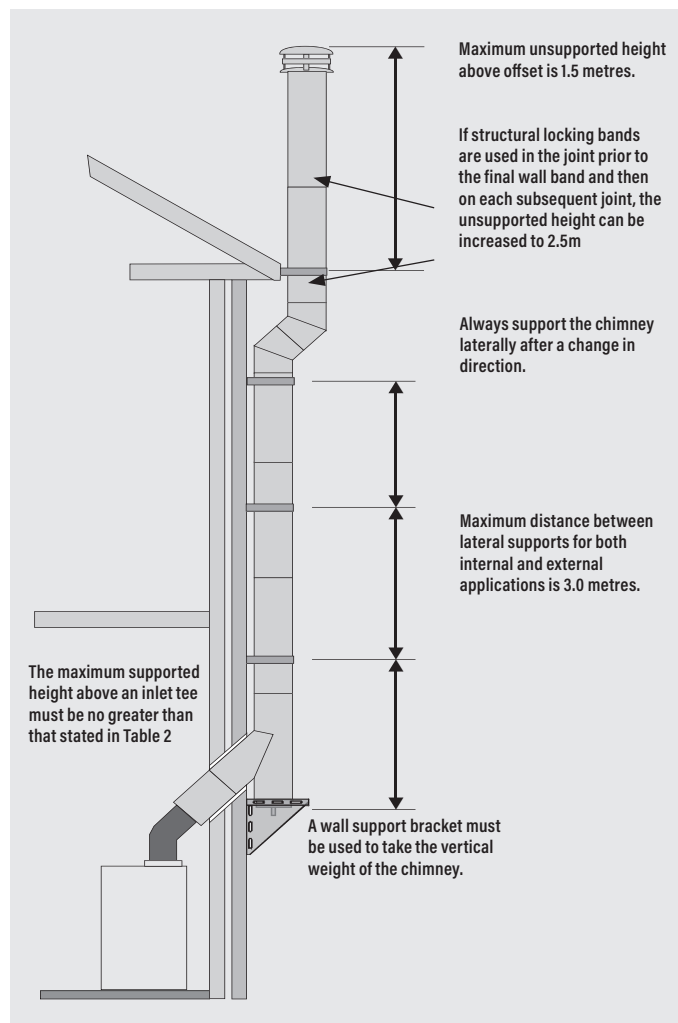
Required for added security on unsupported stacks up to 2.5m above the final support or wall band in accordance with the instructions on page 20.



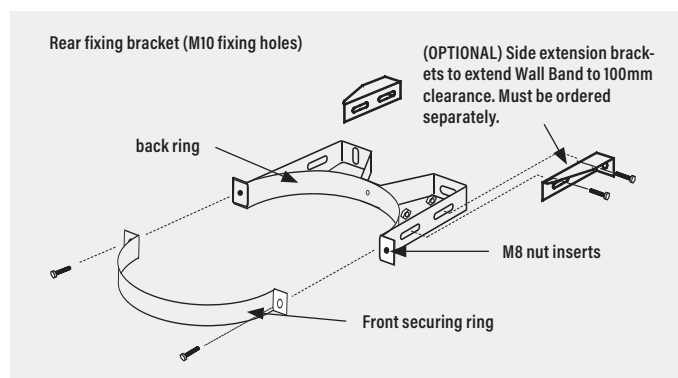
DIAMETER (Ø)	127MM (5")	152MM (6")	178MM (7")	203MM (8")
CODE	XPSLB13	XPSLB15	XPSLB18	XPSLB20
PRICE (S/S)	£50.84	£54.82	£56.16	£58.76
PRICE (BLACK)	£57.46	£61.94	£63.46	£66.40

INSTALLATION

The illustration below shows a typical support arrangement for an external chimney. The vertical weight of the chimney is taken by a wall support bracket. A removable tee cap with drain (XPRBKXX) is fitted to the underside of the wall support bracket which can be removed for sweeping and inspection. Wall bands (XPWBXX) are then installed every 3.0 metres to provide lateral support. It is essential that adequate bracing is provided directly before and after an offset or change in direction. It is important that adequate fixings are used throughout the chimney system to anchor support components to the structure, such as M10 rawl bolts etc.

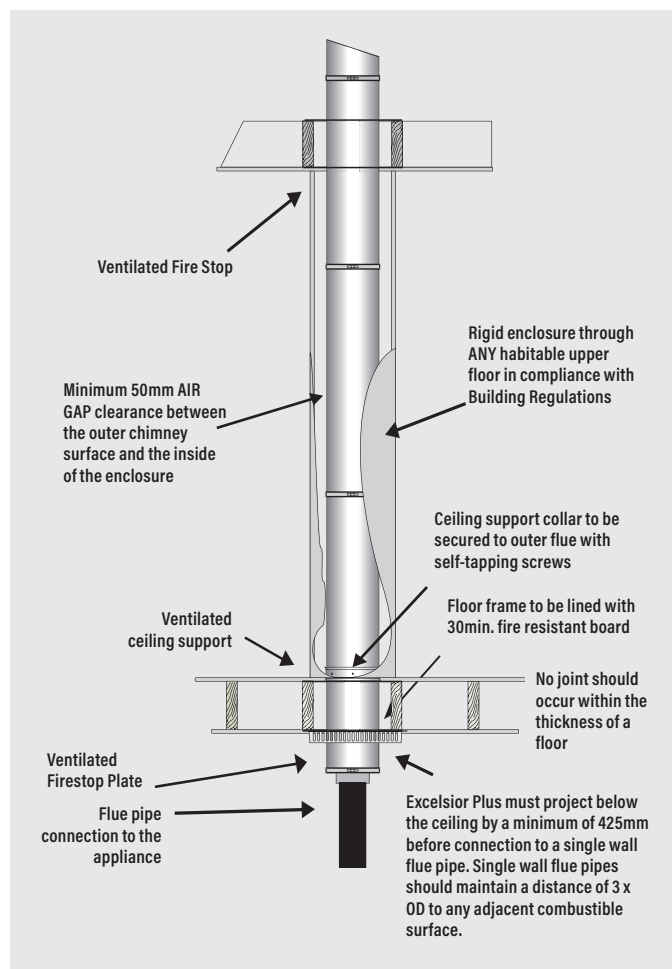


WALL BAND ASSEMBLY

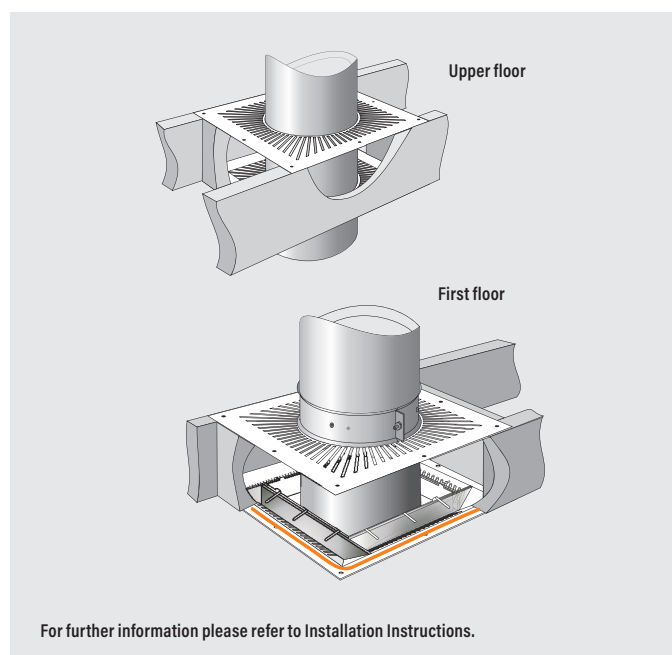


COMBUSTIBLE FLOOR PENETRATION (>250°C)

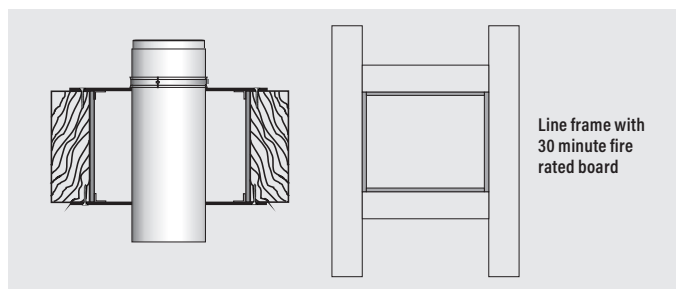
Where the chimney system is used with appliances producing flue gas temperatures exceeding 250°C, and where the chimney passes through a combustible floor, the following ventilated components **MUST** be used. All floor penetration components are designed to be secured to a pre-built frame construction and lined with a 30 minute fire resistant board to the dimension detailed in the table opposite.



BASIC INSTALLATION DIAGRAM OF VENTILATED CEILING SUPPORT AND VENTILATED FIRESTOP COMPONENTS



VENTILATED CEILING SUPPORT AND VENTILATED FIRESTOP



Note: The fire rated board is required under the test conditions of BS 476: Part 20 where the chimney passes through a representative combustible floor. The purpose is to protect the ceiling void from the effects of radiated heat from the outer case of the chimney where the chimney below the ceiling is engulfed in fire.

FRAMING DATA AND DIMENSIONS

CHIMNEY SIZE	127	152	178	203
'A' SQUARE*	281	301	331	351

*The above dimension does not allow for 30 minute fire rated lining, adjust according to thickness used.

ELBOW OFFSET DIMENSIONS

This data relates to just two elbows used to form an offset as shown in Fig. 2. It also indicates the installed length of the elbow segments. Data is also provided where standard lengths are also incorporated within the offset, see Fig. 3.

Ø	15°			30°			45°		
	A	B	C	A	B	C	A	B	C
127	87	342	45	87	325	87	87	297	123
152	92	362	48	92	343	92	92	314	130
178	97	381	50	97	362	97	97	331	137
203	102	401	53	102	380	102	102	348	144

FIG 2

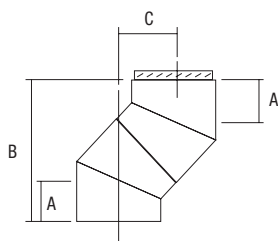
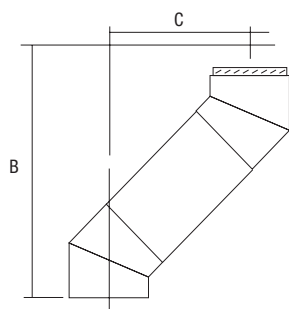


FIG 3



Elbows are not load bearing. Vertical runs after changes of direction should be re-supported appropriately.

Ø	120MM LENGTH						300MM LENGTH					
	15°		30°		45°		15°		30°		45°	
	B	C	B	C	B	C	B	C	B	C	B	C
127	457	76	429	147	382	208	631	123	584	237	509	335
152	478	79	447	152	399	215	651	125	603	242	526	342
178	497	81	466	157	416	222	671	128	621	247	543	349
203	516	84	485	162	433	229	690	130	640	252	560	356

Ø	120MM LENGTH						300MM LENGTH					
	15°		30°		45°		15°		30°		45°	
	B	C	B	C	B	C	B	C	B	C	B	C
127	825	174	758	337	651	476	1308	304	1191	587	1004	830
152	844	177	776	342	668	484	1328	306	1209	592	1021	837
178	864	180	795	347	685	491	1347	309	1228	597	1038	844
203	884	182	814	352	702	498	1367	312	1247	602	1055	851

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GENERAL INSTALLATION GUIDELINES

The installation of the Excelsior Plus product must be in accordance with local building regulations and associated National Standards and Codes of Practice. For additional guidance, reference can be made to BS EN 15287-1: Chimneys- Design, installation & commissioning of chimneys. Chimneys for non-room-sealed heating appliances The National Annex NA of EN 15287-1 will detail the national requirements for the particular country.

Every chimney section and fitting shall be used as manufactured for assembly on site without any alteration or cutting. Components are joined with a multi barbed twist lock coupler and secured with a locking band. The only exception are elbows, which are designed to allow full rotation of the component and therefore do not have locking barbs on the female end. All components must be installed with the male coupler facing up.

Excelsior Plus is suitable for both internal and external applications. No part of the chimney system should be constructed to form an angle greater than 45° from the vertical.

Although components are included that will permit horizontal application, they should only be used for connection to the appliance.

Offsets can be constructed using elbows, lengths and adjustable components available within the system. For full details regarding offset dimensions and heights for various elbow/length combinations see tables opposite. According to building regulations: If bends are necessary there must be no more than four in the length of the chimney. The angle of the bend should be no greater than 45° from the vertical, with the exception that 90° factory made bends or tees may be treated as being equal to two 45° bends.

Where an offset is used, the length of chimney between the two elbows **MUST NOT** exceed 20% of the total vertical length of the chimney.

Where serving solid fuel or oil appliances, any part of the chimney which passes through any room other than that in which the appliance using the chimney is situated, should be protected to prevent damage and accidental location of combustible material against the outer skin. It is a building regulation requirement that ANY factory made insulated chimney should be enclosed where passing through a cupboard, storage space or accessible roof space.

Where used with solid fuel or oil appliances producing flue gas temperatures exceeding 250°C, the clearance at floor / ceiling joists must be established using the ventilated ceiling support and ventilated firestop components. When connecting to a single wall connecting flue or vitreous pipe, at least 425mm of Excelsior Plus must project below the appliance room ceiling before connection is made.

Under no circumstances must there be a joint within the thickness of any floor space. Where passing through a cavity wall a wall sleeve must be used and finished with a suitable trim plate / cover ring.

The internal diameter of the chimney must conform to the requirements of the appliance manufacturers instructions and should not, under any circumstances, be less than the diameter of the appliance outlet unless operational requirements of the appliance can be demonstrated by calculations to BS EN 13384-1.

The height of the chimney will depend on the building structure, however a height of 4.5 metres from the top of the appliance outlet to termination is considered the minimum for solid fuel. To prevent excessive cooling of the flue gases when connecting a single wall flue pipe from the stove to the Excelsior Plus chimney, we recommend that the length of the single wall pipe is no more than 2.0 metres within the 4.5 metre height recommendation under Building Regulations.

ADJUSTABLE LENGTHS

Each Adjustable Length is supplied in two halves together with an insulation pack. Depending on the required finished length of the component, additional insulation is added to the annulus of the top section. The top section is then slid over the bottom section and the component installed. Self-tapping screws are then used to secure the overlapping sections.

The Adjustable Length does NOT load bear. Always use a Wall Support Assembly immediately above this component when vertically applied. Adjustable Lengths should maintain a clearance of at least 300mm to combustible materials.

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