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PREMIUM CHIMNEY SYSTEMS

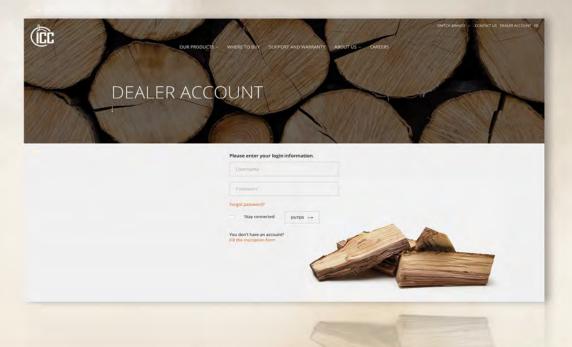
FOR PROFESSIONAL INSTALLERS





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Download marketing material and product information from the dealer account on **icc-rsf.com**. Get access and check it out!





icc-rsf.com/LeBOL

GENERAL INFORMATION



Industrial Chimney Company was established in 1991 by a small group of partners with over 75 years combined experience in the chimney industry. Our experience convinced us that the needs of our ultimate customers (the people who live in a house with one of our chimneys) are served best when our products are sold by retailers who specialize in chimney and fireplaces. Specialty dealers understand the unique nature of our industry and are qualified to provide both technical support and installation. One of the cornerstones of our business is the conviction that hearth dealers are our essential partners in delivering the highest quality, safest chimney systems available.

From the beginning our objective has been to engineer products which enable better, faster installations while using fewer parts, thereby improving installation efficiency. This is the best way we know of to ensure that consumers benefit from safer installations and competitive pricing. Our goal is to do everything possible to help our business partners do the best installation possible for the homeowner.

We believe that our long-term accomplishments are tied to our commitment to people, both inside and outside of our company. While we are continuously investing in our plant and processes, the most gratifying returns come from the investments in people. Our greatest sense of accomplishment comes from when we see an employee or customer achieve their personal or business goals. That is why we continue to make major promotion and funding commitments to hearth industry education. We focus our efforts in four areas. We manufacture residential venting, specifically insulated chimneys, single & double walled stove pipe and chimney liner for wood burning applications as well as venting products for pellet and gas appliances. We also manufacture the most complete line of high-efficiency, clean-burning fireplaces on the market. Most recently we began manufacturing clean-burning open fireplaces, a rapidly-growing new category. In addition we manufacture commercial and industrial venting - everything from chimney liners to 48" diameter pressure stacks, which we sell through specialty reps in that market. From the beginning, our residential, commercial, and industrial venting products have enabled us to secure leadership roles in each segment of the industry.

Thanks to the strong support we have received from our distributors and dealers, our strategy is working. We have grown dramatically over recent years. With a recent 30,000-sq. ft. addition, our 120,000-sq. ft factory runs 24/7 all year round. It is located on more than 20 acres of prime industrial property and is filled with state-of-the-art machinery. We currently employ about 200 people.

This catalog contains information on our residential venting products and we have done our best to ensure it is complete and up-to-date. If you have any questions or concerns regarding any of our products please feel free to contact us directly. We will be pleased to assist you.

The ICC team

THE KEY TO OUR SUCCESS IS OUR PEOPLE

Making great, innovative products requires great, innovative minds. It is easy to look at a competing product and reproduce it; however, everything we do at ICC is the result of time, testing and engineering. We will make 50 different versions of one part, to make sure it satisfies the customer purchasing it and the dealer installing it.

We occasionally glance at our competitors' catalogs, only to find our components in their product lines. That's fine, because while they're following our lead, we're pushing forward with ideas and designs they haven't even dreamed of.



ICC's laboratory is DAP certified by UL, permitting us to test our new ideas without having to book independent lab time. This gives us freedom to be more creative and revolutionary.

TABLE OF CONTENTS

GENERAL INFORMATION	1
THE KEY TO OUR SUCCESS	2
LIST OF NEW AND UPDATED PARTS	3
WARRANTY	4

EXCEL

Technical Information
Typical Installations7
Product Descriptions and Dimensions8 - 17
Canadian Components17
Offset Tables

ULTRABlack

Technical Information)
Engineering and Design Considerations)
Product Descriptions and Dimensions	3
Offset Tables	5

EXCELPrime

Technical Information	
Engineering and Design Considerations	
Product Descriptions and Dimensions	
Offset Tables	

EXCELiner

Technical Information	
Engineering and Design Considerations	
Product Descriptions and Dimensions	

Model RIS

Technical Information	42
Product Descriptions and Dimensions	.43 - 47
Components for Renaissance Fireplaces	46
Offset Tables	48

EXCELPellet

Technical Information	50
Engineering and Design Considerations	50
Typical Installations	51
Product Descriptions and Dimensions	. 52 - 60
Offset Tables	60

EXCELDirect[®]

Technical Information	.62
Design Considerations	.62
Typical Installations	
Product Descriptions and Dimensions64 -	75
EXCELDirect Parts for Masonry Installations	
Manufacturer specific appliance adapters	.76
Offset Tables	.76

OPEN FIREPLACE CHIMNEY

DESIGN CONSIDERATIONS 77 Chimney Sizing and Flue Height 77 Sizing Fireplace Chimneys 77	
CHIMNEY HEIGHT DESIGN CONSIDERATIONS	
INDEX	

LIST OF NEW AND UPDATED PARTS

E,	X	Ր	F	
- /	^	U	-	ľ

Insulated Length 36" (EL36)	8
Stainless Steel Roof Brace Poles (ESRB)	12
Snow-wedge (ESW)	12
Ventilated Chase Cone (EVCC)	15

EXCELDirect[®]

Insulated Wall Thimble (WT)	66
Reducer 5" – 4" (TM-R54)	70
Horizontal Co-Linear Flex Kit (TM-ALH)	71
Prefab Chimney Co-linear Flex Kit (TM-ALP33)	71

Model RIS

Roof Flashings: Stainless steel (RSSF, RSSFA, RSSFB)45

LIMITED LIFETIME WARRANTY FOR ICC VENTING PRODUCTS

Industrial Chimney Company (ICC) warrants all its venting products to be free from functional failure due to defects in material or workmanship for as long as the original consumer owns the chimney system (limited to 5 years for EXCELPrime). This warranty provides replacement of any components which fail as a result of normal use and includes replacement of any components damaged as a result of a chimney fire. (Note: Chimney fires are dangerous and preventable. We strongly encourage you to have your chimney cleaned regularly.) ICC warrants all stainless steel chimney components against perforation as a result of corrosion. This warranty does not cover damage caused to the building by chimney fires or misuse of the product.

No claims under this warranty will be honored unless ICC is notified of the potential claim and is given the opportunity to have one of its agents examine the chimney prior to replacement.

ICC will only be responsible for repair or replacement of any components found to be defective under this warranty. In no event shall ICC be responsible for any incidental or consequential damage caused by defects.

During the first ten years of the warranty (five years for EXCELPellet & EXCELDirect), ICC will provide replacement components except rain caps at no charge. During the balance of the warranty, ICC will provide replacement chimney components at 50% of the current retail price at the time of the warranty claim. This applies to all ICC venting products except for ULTRABlack Double Wall Stove Pipe and EXCEL Deluxe Rain Caps (EDRC), both of which are covered 100% for life.

ICC will not be responsible for labor of any kind required in the removal or replacement of any system replaced under this warranty.

Each venting product is designed to vent specific fuels only. This warranty is void if the venting is used in an application for which it is not designed.

EXCEL, EXCELiner, EXCELPrime, RIS and ULTRABlack:

Continuous 650°C (1200°F) temperature **Fuel:** Residential heating oil, untreated wood, low sulphur coal and natural or LP gas

EXCELPellet:

Continuous 300°C (570°F) **Fuel:** Wood pellet and agricultural products, natural gas, propane and liquid fuel

EXCELDirect[®]:

Gas-Fired Direct Vent appliances certified with EXCELDirect[®] Fuel: Natural or LP gas

All ICC systems must be installed according to the Installation Instructions which are included with every system at the time of purchase. If you do not have a set of installation instructions, they are available free upon request or online at:

icc-rsf.com/Chimney_installation_instructions

This warranty is void if the chimney is not installed according to the installation instructions. This warranty may not be extended or modified by our agents or representatives. This warranty is in lieu of all other express warranties or guarantees, of any kind.





EXCEL Technical Information

Certification

EXCEL is tested and listed by Intertek Testing Services to two safety standards:

UL 103HT - The standard for solid and liquid fuel chimneys installed in the USA. Along with many other tests the UL 103HT Standard requires the chimney to withstand three 10 minute chimney fires at 2100°F (1150°C).

ULC S-629 - The standard for solid and liquid fuel chimneys installed in Canada. Along with many other tests the ULC S-629 Standard requires the chimney to withstand three 30 minute chimney fires at 2100°F (1150°C).

Applications

EXCEL chimney is suitable for use on appliances that burn:

- Wood
- Oil
- Coal
- Gas
- Charcoal

It is specifically engineered for wood burning stoves, fireplaces and residential furnaces.

Allowable Flue Gas Temperatures

	ULCS629	UL103HT
	(Canadian)	(USA)
Max Continuous	650°C (1200°F)	538°C (1000°F)
Brief Forced Firing	925°C (1700°F)	760°C (1400°F)
Tested To	1150°C (2100°F)	1150°C (2100°F)

Clearance to Combustible Materials

2" clearance except in areas protected by factory-built supports certified for reduced clearance. EXCEL round and square supports permit the chimney to be installed with approximately 1 inch of clearance - in the area shielded by the support.

Construction

Flue: .016" 304 or FW2 stainless steel Casing: .016" 430 stainless steel Seam: Interior and exterior seams are continuous seam welded Insulation: Thermoplus continuous blanket Wall thickness: 1" Paint: All black EXCEL components are painted with Forrest "Stove Bright" flat black paint

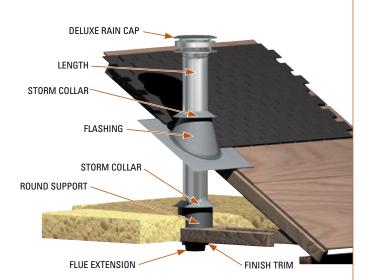
EXCEL Dimensions and Support Capacities					
Chimney size	5"	6"	7"	8"	
Rough opening required		(IN	CHES)		
Round support (ERDS)	10 x 10	10 x 10	11 x 11	12 x 12	
Square support (ESS)	N/A	10 x 10	11 x 11	12 x 12	
Roof support (ESR)	11 x 11	12 x 12	13 x 13	14 x 14	
Offset support (EOS)	11 x 11	12 x 12	13 x 13	14 x 14	
Radiation shield (ERS & ERSA)	11 x 11	12 x 12	13 x 13	14 x 14	
Wall radiation shield (EWRS)	10 x 10	10 x 10	11 x 11	12 x 12	
Maximum height per support		(F	EET)		
Round support (ERDS)	65	55	50	45	
Square support (ESS)	N/A	55	50	45	
Roof support (ESR)	65	55	50	45	
Wall support (EWS)	50	44	37	35	
Offset support (EOS)	35	30	27	25	
Radiation shields must	t be used at a	all floor joist	and ceiling a	areas	

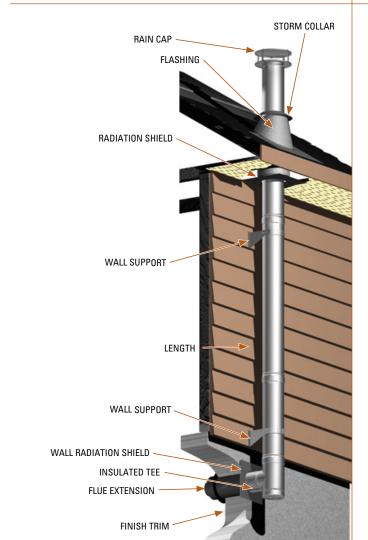


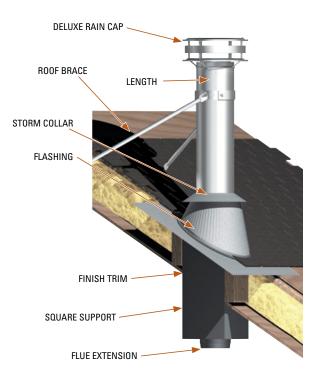
EXCEL has been tested and listed to the UL 103HT and ULC S-629 chimney standards by INTERTEK.

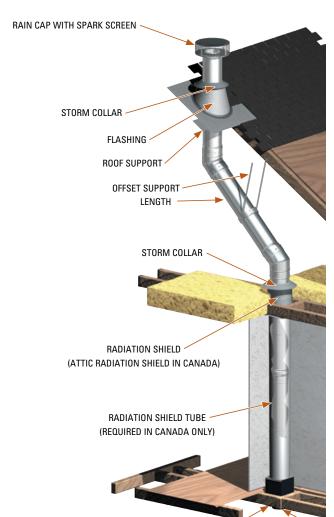
EXCEL Typical Installations

NOTE: The following information is provided to assist you in selecting the chimney components required for your installation. It is intended to be a guideline only. These are not the installation instructions.









FLUE EXTENSION

FINISH TRIM

EXCEL Product Descriptions

Insulated Lengths

EXCEL

(EL48, EL36, EL24, EL18, EL12, EL6)



Insulated Adjustable Lengths (ELA18)

EXCEL chimney lengths are available in 48", 36", 24", 18", 12" & 6" lengths. To determine the installed length deduct 1 1/2" from the overall length.

						INCHES
Insulated Lengths						
Inside diameter 5 6 7 8						
Outside diameter	Nominal		7	8	9	10
Weight - Ibs/foot	Outside of	Bead	7 1/4 3.6	8 1/4 4.2	9 1/4 4.9	10 1/4 5.3
Nominal length	48	36	24	18	12	6
Installed length	46 1/4	34 1/4	22 1/4	16 1/4	10 1/4	4 1/4

The most common applications for the adjustable length are:

- Between elbows so that any required centre-to-centre offset can be achieved.
- · When it is necessary to balance the chimney height so that the caps line up for functional or aesthetic reasons.
- When a specific horizontal offset is required.

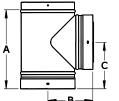
The adjustable length must be installed above a straight chimney length. It will not adjust into an elbow or tee. To determine the installed length deduct 1 1/2" from the overall length. To adjust the length, remove the screws, slide the sections of the outer casing together to the desired length and cut away the excess insulation. Do not cut the inner flue, it will slide inside the next chimney length. INCHES

Insulated Adjustable Lengths			
Nominal length	18" ajustable		
Installed length	9 1/2 - 16 1/4		

Insulated Tees

(ETI)





temperatures.

The insulated tee can be used on the interior or exterior of a building. The tee is designed to be used in combination with a wall support assembly. The EXCEL tee cap has a handle on the bottom to simplify removal for cleaning. An ETC Tee Cap is included.

Dimensions				
Code	Α	В	C	
5ETI	11 1/4	6 3/4	6 1/4	
6ETI	12 1/4	7 1/4	6 3/4	
7ETI	13 1/4	7 3/4	7 1/4	
8ETI	14 1/4	8 1/4	7 3/4	

An ETC Tee Cap is included with the EXCEL Insulated Tee and an EITC Insulated Tee Cap is optional.

If a replacement tee cap is required, either version tee cap can be ordered. The EITC Insulated

Tee Cap has an insulated plug that reduces heat loss from the bottom of the chimney system. The Insulated Tee Cap does not reduce clearance to combustibles, but will help maintain higher flue

Tee Cap (ETC, EITC)

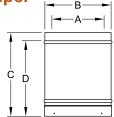


ETC

Chimney Top Damper

(FTD)





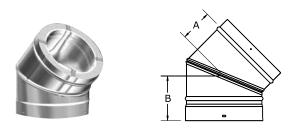
Adding this "Top Damper" to a system seals it right at the top of the chimney. The "Chimney Top Damper" is placed directly below the cap and is designed to prevent any cold air infiltration into the house through the chimney. It functions on a chain that hangs down to the firebox and comes with 30' of wire.

Dimensions					
Code	Α	В	C	D	
7ETD	7	9	12	10 1/4	
8ETD	8	10	12	10 1/4	

INCLIES

INCHES

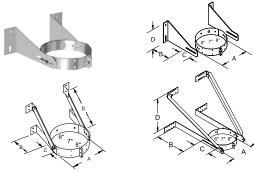
Elbows (EE15, EE30 & EE45)



EXCEL 15° and 30° elbows are tested and listed to UL 103HT and ULC S629 Standards. EXCEL 45° elbows are certified to ULC S629 only.

Dimensions				
Code	A	В		
5EE15	1 7/8	2 7/8		
6EE15	1 7/8	2 7/8		
7EE15	2	3		
8EE15	2	3		
5EE30	2 3/8	3 3/8		
6EE30	2 1/2	3 1/2		
7EE30	2 5/8	3 5/8		
8EE30	2 3/4	3 3/4		
	Canada o	nly		
5EE45	2 7/8	3 7/8		
6EE45	3	4		
7EE45	3 1/4	4 1/4		
8EE45	3 1/2	4 1/2		
OLL IO	0.1/2	1 1/2		

Wall supports - Wall Bands (EWS) Extended Wall Supports (EWSE)



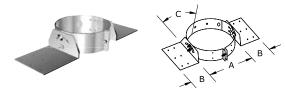
Old Style Wall support (EWS-R)

Extended Wall support (EWSE)

The wall support (EWS) is used to support a vertical chimney on a through-the-wall installation. The EXCEL Wall Support installs on the first length of chimney above the tee, (not below the tee, thus making it easier to fasten the support to framing, instead of into concrete). The Wall Support utilizes the universal band to fit 6, 7, & 8 inch chimneys. It is designed to slide in and out to fit a variety of wall profiles. The Wall Support is also used as a lateral support every 8 feet in height. The Extended Wall Support (EWSE) will allow the chimney to pass by a 12" overhang. It often eliminates the need to either offset a chimney around the overhang or cut and finish the soffit and fascia. One support is required every 8', minimum of two per system. The Old Style Wall Support (EWS-R) is generally more complicated to install than the EWS. However it simplifies installations on irregular surfaces like vinyl siding.

					INCHES	
EWS Dimensions (Fits 6", 7" & 8" chimney)						
Code	Α	В	C	D		
EWS	7, 8, 9 or 10	5	3 1/2	6		
EWS-R	8, 9 or 10	5	3 1/2	16		
EWSE Dimensions (Fits 6", 7" & 8" chimney)						
Code	Α	В	C	D		
EWSE	8, 9 or 10	12 1/4	6 1/2	13		

Roof Support



The roof support is primarily used when it is difficult to use a round or square support in a cathedral ceiling. It can also be used above an offset, or to provide additional support when the chimney height exceeds the capacity of the primary support. The roof support utilizes a universal band, so that the same support fits 6, 7, & 8 inch chimneys. It is made with adjustable brackets, which allow it to adjust easily to any roof pitch.

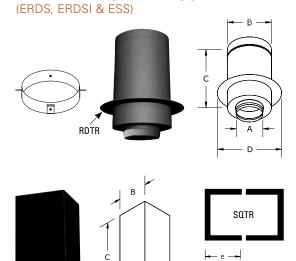
			INCHES
	Dimensions (Fit	s 5", 6", 7" & 8"	chimney)
Code	Α	В	C
ESR	7, 8, 9 or 10	6	Fits flat - 24 / 12

Offset Support



The offset support is primarily used to re-support the chimney above an offset. However, it can also be used to provide additional support when the chimney height exceeds the capacity of the primary support. The offset support straps are 24 inches long.

Round & Square Supports



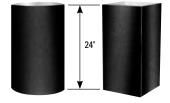
EXCEL's ceiling supports are suitable for use on flat or sloping ceilings. They must project into the room a minimum of 3 inches on a flat ceiling. For sloping ceilings, see the EXCEL installation manual. These supports are designed to act as a combination of support and attic radiation shield. To use either support as an attic radiation shield, simply close the open area at the top of the support (in the attic) with a storm collar.

Insulated Round Support (ERDSI)

The Insulated round support includes an insulation wrap for the chimney length inside the support and an insulated firestop to be sealed to the vapour barrier.

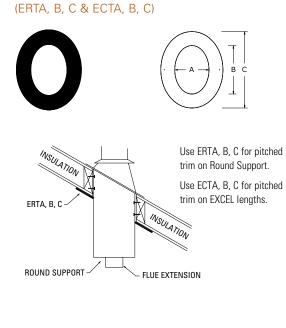
					INC	CHES	
	Round Support Dimensions						
Code	Α	В	C	D			
5ERDS / ERDSI	5	10	24	14 1/4			
6ERDS / ERDSI	6	10	24	14 1/4			
7ERDS / ERDSI	7	11	24	15 3/4			
8ERDS / ERDSI	8	12	24	17			
	Sq	uare Suppo	rt Dimensi	ons			
Code	Α	В	C	D	E		
6ESS	6	10	24	14	12		
7ESS	7	11	24	15	12		
8ESS	8	12	24	16	12		

Support Extensions (ERDSE & ESSE)



Support extensions are available to facilitate installations on very steep pitched ceilings, or where the chimney must project unusually far into the room. Both the round and square support extensions are 24" long. Clearance to the exterior of EXCEL chimney is reduced to 1" while inside the support or support extension. Thus, there is zero clearance to the exterior of the support or support extensions.

Pitched Trim Rings



If you are installing a round support on a sloping ceiling, or passing EXCEL through a pitched ceiling without a support, you will require a pitched trim ring. Use the following table to determine the correct trim ring for your installation. Pitched trim rings are not available in 5" \emptyset . The finish trim which comes with the square support, is adjustable for any ceiling pitch from flat to 24/12. Not available in 5" \emptyset .

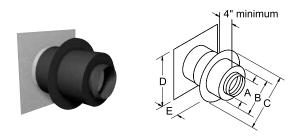
					INCHES
	Р	itched Trim F	Ring Dimens	ions	
Trim For	Code	Α	В	C	Pitch Range
ERDS/ERDSI	6ERTA	9 13/16	10 1/8	18 1/2	0/12 - 4/12
ERDS/ERDSI	7ERTA	10 13/16	11 3/16	18 1/2	0/12 - 4/12
ERDS/ERDSI	8ERTA	11 13/16	12 1/4	18 1/2	0/12 - 4/12
ERDS/ERDSI	6ERTB	9 13/16	11 3/8	18 1/2	4/12 - 8/12
ERDS/ERDSI	7ERTB	10 13/16	12 1/2	18 1/2	4/12 - 8/12
ERDS/ERDSI	8ERTB	11 13/16	13 5/8	18 1/2	4/12 - 8/12
ERDS/ERDSI	6ERTC	9 13/16	13 7/8	18 1/2	8/12 - 12/12
ERDS/ERDSI	7ERTC	10 13/16	15 1/4	21 1/4	8/12 - 12/12
ERDS/ERDSI	8ERTC	11 13/16	16 11/16	21 1/4	8/12 - 12/12
EXCEL	6ECTA	8 1/16	8 3/8	16 3/8	0/12 - 4/12
EXCEL	7ECTA	9 1/16	9 3/8	17 3/8	0/12 - 4/12
EXCEL	8ECTA	10 1/16	10 7/16	18 1/2	0/12 - 4/12
EXCEL	6ECTB	8 1/16	9 5/16	17 3/8	4/12 - 8/12
EXCEL	7ECTB	9 1/16	10 1/2	18 1/2	4/12 - 8/12
EXCEL	8ECTB	10 1/16	11 5/8	19 5/8	4/12 - 8/12
EXCEL	6ECTC	8 1/16	11 3/8	19 3/8	8/12 - 12/12
EXCEL	7ECTC	9 1/16	12 13/16	20 7/8	8/12 - 12/12
EXCEL	8ECTC	10 1/16	14 1/4	22 1/4	8/12 - 12/12

EXCEL

INICHES

Wall Radiation Shields

(EWRS & EWRSI)



The wall radiation shield is used when the chimney passes horizontally through a combustible wall. The EWRS telescopes to adjust for wall thickness from 6" - 12", so no painting is required. The inside finish trim is separate from the EWRS, allowing for easy installation before or after the wall finish is applied. The Insulated Wall Radiation Shield (EWRSI) is designed for installations in energy efficient houses which have tightly sealed vapour barriers.

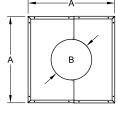
Insulated Wall Radiation Shield (EWRSI)

The EWRSI is fully insulated and has a flange to permit an airtight seal to the vapour barrier. It can be installed into an existing home but since it must be installed under the drywall it is most often used for new construction. Flue extension and trim ring included.

					I	INCHE2	
Dimensions							
Code	Α	В	C	D	E		
5EWRS/EWRSI	5	10	14 1/4	16 X 16	6-12		
6EWRS/EWRSI	6	10	14 1/4	16 X 16	6-12		
7EWRS/EWRSI	7	11	15 3/4	16 X 16	6-12		
8EWRS/EWRSI	8	12	17	16 X 16	6-12		

Stainless Trim for EWRS (EST)



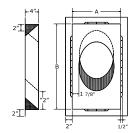


A decorative trim cover for the exterior wall plate of the Wall Radiation Shield that prevents water infiltration while providing adequate heat ventilation.

			INCHES
	Dimensio	ins	
Ø	Α	В	
6"	16 1/4	8"	
7"	16 1/4	9"	
8"	16 1/4	10"	

Insulated Angled Wall Radiation Shields (EWRSI30 & EWRSI45)



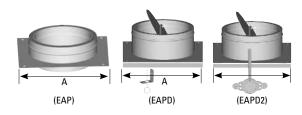


The insulated angled wall radiation shield is used when the chimney goes through a combustible exterior wall, with a 30 or 45 degree angle. A radiation shield is installed on the exterior side of the wall to complete the installation. This part is used for fireplace installations only. Note: 45° are approved for use in Canada only.

				INCHES					
	Required Opening Dimensions								
Angle	30 °		45°						
ø	Α	В	Α	В					
6"	11 3/4	38	11 3/4	27 7/16					
7"	12 3/4	40	12 3/4	28 7/8					
8"	13 3/4	42	13 3/4	30 1/4					

Anchor Plate (EAP)

Anchor Plate Dampers (EAPD, EAPD2)



Is used to connect an appliance (such as a masonry fireplace or heater) to an EXCEL chimney.

Combines the anchor plate with a heavy gauge stainless steel damper to simplify masonry fireplace construction, reduces installation cost and provides a superior seal.

			INCHES					
	Dimensions							
Code	Diameter	Α						
EAP	5	12" X 12						
EAP - EAPD - EAPD2	6	12" X 12						
EAP - EAPD - EAPD2	7	13" X 13						
EAP - EAPD - EAPD2	8	14" X 14						

Hardware Kit (HK)



Includes over 50 pieces of exclusive hardware for EXCEL installations carriage bolts, thumbscrews, wingnuts and washers.



Flue Extension

The flue extension fastens to the bottom of the first chimney length with three screws. It makes it possible to connect a stove pipe, or other type of connector, to the chimney. It is sometimes used to connect an EXCEL chimney directly to an appliance. The flue extension is designed to fit a variety of stove pipes. However, due to variations from one manufacturer to another, some modifications may be required in the field.

Locking Band (ELB)



EXCEL insulated components are designed to be fastened together with the stainless steel screws provided with each part. In some cases, it may be desirable to install a locking band for aesthetic purposes. The locking band is designed to overlap the two beads immediately above and below the chimney joint. Fastens with a 1/4" bolt. All three screws are required even when the ELB is installed.

Gable End Guide (EGEG)



The purpose of the Gable End Guide is to assist in the stabilization of chimney as it passes the gable end of a home. The EGEG has adjustable arms to fit up to a 12/12 pitch. It is important to note the EGEG is a guide and it is does NOT replace a support.

						INCHES			
Dimensions									
Code	A min	B min	C min	A max	B max	C max			
XM-EGEG	2 3/4	1 1/2	3	6 3/4	4 3/4	9 1/2			

Roof Brace Stiffener (ERBS)

Prevents roof brace poles bending under the weight of snow. Recommended for metal roofs.



Adjustable Stud

Support (EAS)

Stainless steel roof brace poles (ESRB) are now available: the roof brace is used to provide lateral support for a chimney which extends more than 5 feet above a roof. The roof brace utilizes a universal band to fit 6, 7 and 8 inch chimneys. The arms on the roof brace telescope from 5 ft. to 9 ft. long.

Allows you to install a round or square

support (ERDS, ES & ESS) without using

wood framing. The maximum support

capacity is 30 feet of chimney. The maximum joist spacing is 24" center

to center.

REDESIGNED (ESW)

Snow-Wedge

For roof pitches of 4/12 to 12/12.

– 2" MIN WOOD SCREWS ROOF SLOPE

Wall Channel (EWC)

The wall channel enables a wall support or wall band to be fastened solidly to the framing when the framing centres do not line up with the chimney opening. The wall channel is 24" long.





This piece comes as two sections of galvanized metal. There are tabs cut into the strips that allow for easy bending at key points. Assembling these brackets will create a vinyl siding trim for any size of wall thimble in the wood, pellet or gas venting products.

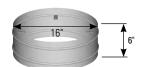
Rain Caps

(ERC, EDRC, ERCS, ERCW, ERCB, ERRC)

Regular Rain Cap (ERC)



naili Gap Deluxe (ED



Rain/Wind Shield (ERCW)



Spark Screen (ERCS)

Rain Cap Base (ERCB)

Flat Flashing (EF)

Flashings

(EF, ESF)

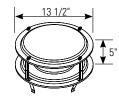
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Revolving Rain Cap (ERRC)

All EXCEL chimneys must be installed with an EXCEL rain cap (any model) to prevent water from entering the chimney.

- ERC: The regular rain cap is made from .016" thick type 304 stainless steel and carries a one year warranty.
- EDRC: The deluxe cap is made from .025" thick type 304 stainless steel and carries a lifetime 100% full replacement warranty.
- ERCS: An optional stainless steel spark screen is available for installations where sparks can pose a safety problem.
- **ERCW:** The optional wind and rain shield improves draft by up to 40% in windy conditions and is very effective at preventing wind driven rain from entering the chimney. It bolts to the existing holes in either the regular or deluxe cap.
- **ERCB:** The rain cap base is designed to cover the end of the chimney in applications where a rain cap is not practical but it does not keep rain from entering the chimney.
- **ERRC:** The revolving rain cap helps to prevent the entry of wind driven rain and helps to prevent wind induced downdrafts.



EFC

ESF

ESFA

ESFB

ESFC

ESC

ESSC

ESSC

ESSC

ESSC

These flashings are made from either galvalume steel, which is considerably more corrosion resistant than galvanized, or from stainless steel for applications where maximum corrosion resistance is desired. They are made to cover the entire range of roof pitches.

							INCHES
		Flas	shing Dim	ensions			
Pitch	Flue I.D.	Galvalume	Stainless	Base W x L	Α	В	C
	5"	5EF	5ESF	20 x 20	7 3/8	12	8
El-+ 0/10	6"	6EF	6ESF	24 x 24	8 3/8	14 1/16	8
Flat - 2/12	7"	7EF	7ESF	24 x 24	9 3/8	14 1/8	8
	8"	8EF	8ESF	24 x 24	10 3/8	16	8
	5"	5EFA	5ESFA	20 x 20	7 3/8	12 5/8	3 3/4
1/10 7/10	6"	6EFA	6ESFA	24 x 24	8 3/8	13 7/8	3 3/4
1/12 - 7/12	7"	7EFA	7ESFA	24 x 24	9 3/8	14 1/4	3 3/4
	8"	8EFA	8ESFA	24 x 24	10 3/8	15 3/8	3 3/4
	5"	5EFB	5ESFB	24 x 28	7 3/8	17 1/16	3 3/4
0/10 10/10	6"	6EFB	6ESFB	24 x 26	8 3/8	16 1/2	3 3/4
8/12 - 12/12	7"	7EFB	7ESFB	24 x 28	9 3/8	18 1/16	3 3/4
	8"	8EFB	8ESFB	26 x 30	10 3/8	19 7/8	3 3/4
	5"	5EFC	5ESFC	24 x 34	7 3/8	21	7 3/4
10/10 01/10	6"	6EFC	6ESFC	24 x 40	8 3/8	23 3/16	7 3/4
12/12 - 21/12	7"	7EFC	7ESFC	26 x 41	9 3/8	25 1/16	7 3/4
	8"	8EFC	8ESFC	26 1/2 x 43	10 3/8	27 1/4	7 3/4
	A	All Flashing	as include	a Storm C	ollar		
Flashing		Storm Colla	r included		Material		
EF		ESC			Galvalume		
EFA		ESC			Galvalume		
EFB		ESC			Galvalume		

Galvalume

Stainless

Stainless

Stainless

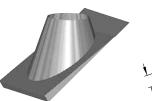
Stainless

Adjustable Flashing (EFA, EFB, EFC)	В
	B

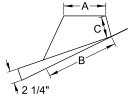
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Stainless Steel Flashing (ESF)

Metal Roof Flashings (EMF)



"US Patent 7114301, Can Patent 2460044"

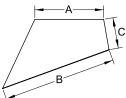


These flashings are specifically designed for metal roofs and greatly simplify metal roof installations. They are made from galvalume steel only. Due to the raised lip at the bottom edge of the Metal Roof Flashing, it cannot be installed on a roof pitch less than 3/12.

						INCHES		
Flashing Dimensions								
Pitch	Flue I.D.	Code	Base W x L	Α	В	C		
	5"	5EMFA	24 3/4 x 21 3/4	7 3/8	12 9/16	3 3/4		
3/12 - 7/12	6"	6EMFA	24 3/4 x 21 3/4	8 3/8	13 13/16	3 3/4		
3/12 - 7/12	7"	7EMFA	24 3/4 x 21 3/4	9 3/8	14 1/8	3 3/4		
	8"	8EMFA	24 3/4 x 23 3/4	10 3/8	15 5/16	3 3/4		
0/12 12/12	5"	5EMFB	25 15/16 x 25 3/4	7 3/8	17 1/16	3 3/4		
	6"	6EMFB	24 3/4 x 23 3/4	8 3/8	16 7/16	3 3/4		
8/12 - 12/12	7"	7EMFB	26 15/16 x 26 1/4	9 3/8	18 1/16	3 3/4		
	8"	8EMFB	27 5/16 x 27 15/16	10 3/8	19 3/4	3 3/4		
	5"	5EMFC	26 3/4 x 31 3/4	7 3/8	21	7 13/16		
12/12 - 21/12	6"	6EMFC	26 3/4 x 37 3/4	8 3/8	23 3/16	7 13/16		
12/12 - 21/12	7"	7EMFC	36 3/4 x 38 3/4	9 3/8	25 1/16	7 13/16		
	8"	8EMFC	26 3/4 x 40 3/4	10 3/8	27 1/4	7 13/16		
	All	Flashin	gs include a Sto	rm Colla	r			
Flashing								
EMFA		ESC			Galvalume			
EMFB		ESC			Galvalume			
EMFC		ESC			Galvalume			

Flexible Base Flashings (ELFA, ELFB, ELFC)



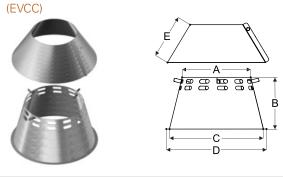


The flexible base flashing combines a stainless steel cone with a flexible lead base which can be easily formed on site to match virtually any roof profile. It was designed for masonry tile roofs but can be used wherever a flexible base is required except for metal roofs.

						INCHES
		Fla	shing Dimensio	ns		
Pitch	Flue I.D.	Code	Base W x L	Α	В	C
	6"	6ELFA	13 1/8 x 13 7/8	8 3/8	13 13/16	3 3/4
1/12 - 7/12	7"	7ELFA	13 1/2 x 14 1/4	9 3/8	14 1/8	3 3/4
	8"	8ELFA	14 1/2 x 15 3/8	10 3/8	15 5/16	3 3/4
8/12 - 12/12	6"	6ELFB	13 3/4 x 16 1/2	8 3/8	16 7/16	3 3/4
	7"	7ELFB	15 x 18 1/16	9 3/8	18 1/16	3 3/4
	8"	8ELFB	16 1/16 x 19 7/8	10 3/8	19 3/4	3 3/4
	6"	6ELFC	13 15/16 x 23 3/16	8 3/8	23 3/16	7 13/16
12/12 - 21/12	7"	7ELFC	15 x 25 1/16	9 3/8	25 1/16	7 13/16
	8"	8ELFC	16 3/8 x 27 1/4	10 3/8	27 1/4	7 13/16
	All	Flashin	igs include a Sto	orm Colla	r	
Flashing		Storm C	ollar included		Material	
ELFA		ESSC			Stainless	
ELFB		ESSC			Stainless	
ELFC		ESSC			Stainless	

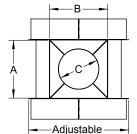
	All Flashings include a	Storm Conar
Flashing	Storm Collar included	Material
EVF	EVSC	Galvalume
EVFA	EVSC	Galvalume
EVFB	EVSC	Galvalume
EVFC	EVSC	Galvalume

Ventilated Chase Cone









Vented Flashings are required in certain applications where additional airflow is required.

							INCHES
		Flash	ing Dimens	ions			
Pitch	Flue I.D.	Code	Base W x L	Α	В	C	
	6"	6EVF	24 x 24	9 1/4	14 1/4	6	
Flat - 2/12	7"	7EVF	26 x 26	10 1/4	15 1/4	6	
	8"	8EVF	26 x 26	11 1/4	16 1/4	6	
	6"	6EVFA	26 x 26	9 1/4	14 13/16	6	
1/12 - 7/12	7"	7EVFA	26 x 26	10 1/4	15 15/16	6	
	8"	8EVFA	26 x 26	11 1/4	17 1/16	6	
	6"	6EVFB	28 x 28	9 1/4	20 5/16	6	
8/12 - 12/12	7"	7EVFB	28 x 28	10 1/4	21 13/16	6	
	8"	8EVFB	30 x 30	11 1/4	23 3/8	6	
	6"	6EVFC	28 x 40	9 1/4	26 13/16	7	
12/12 - 21/12	7"	7EVFC	29 x 41	10 1/4	28 5/16	7	
	8"	8EVFC	30 x 43	11 1/4	30 1/16	7	

EVCC Ventilated Chase Cone

Designed to be mounted to custom chase top covers where the chimney is enclosed in a chase and the appliance requires a vented flashing. This vented cone provides the ventilation required without the cumbersome flashing base. This makes it easy to meet the vented flashing requirements, even with a custom chase top cover. Extra wide storm collar included.

							NCHES	
EVCC Dimensions								
Code	Flue I.D.	Α	В	C	D	E		
EVCC	6″	10 ½"	7 7/8″	14 ¼″	15 ¼″	7″		
	7″	11 ½″	7 7/8"	15 ¼″	16 ¼″	7″		
	8″	12 ½"	7 7/8"	16 ¼″	17 ¼″	7″		

The adjustable peak flashing is designed to be used when the chimney passes through the peak of the home. It will fit any peak between 2/12 and 12/12.

					INCHE				
Flashing Dimensions									
Pitch Flue I.D. Code A B C									
2/12 - 12/12 Peak	6"	6EFP	12	12 3/16	8 3/8				
	7"	7EFP	13	13 3/16	9 3/8				
I COK	8"	8EFP	14	14 3/16	10 3/8				
	All F	lashings ir	iclude a Sto	orm Collar					
Flashing		Storm Coll	Storm Collar included						
EFP		ESC		Galvalume					

Storm Collar (ESC, ESQSC, EVSC



These storm collars fit 6, 7 and 8 inch EXCEL chimneys. To form an attic insulation shield assembly in an insulated space, use a storm collar in combination with a support box or radiation shield. The ESQSC is required to form an attic insulation shield on a Square Support (ESS), all other supports and radiation shields can use either collar. If installing 5" EXCEL, use the storm collar for EXCELDirect (TM-SC). Use the EVSC Storm Collar for vented flashing.

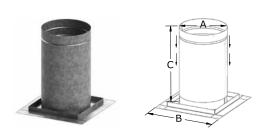
Roof Radiation Shield (ERRS)



The roof radiation shield is required with some roof support and outside chase installations. Position of the mounting brackets is adjustable for roof pitch. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

	INCHES				
Roof Radiation Shield Dimensions					
U	intensions				
Code	Diameter				
6ERRS	10"				
7ERRS	11"				
8ERRS	12"				

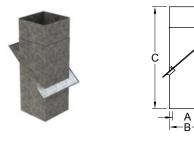
Radiation Shield (ERS)



The radiation shield protects combustible framing in the floor or ceiling adjacent to the chimney and also acts as a firestop spacer. When the chimney passes through the radiation shield into an insulated space a universal storm collar must also be installed to prevent the entry of insulation. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

			INCHES
	Dimensions		
Α	В	C	
10 1/2	16 X 16	12 - 22	
10 1/2	16 X 16	12 - 22	
11 1/2	16 X 16	12 - 22	
12 1/2	16 X 16	12 - 22	
	A 10 1/2 10 1/2 11 1/2	10 1/2 16 X 16 10 1/2 16 X 16 11 1/2 16 X 16	A B C 10 1/2 16 X 16 12 - 22 10 1/2 16 X 16 12 - 22 11 1/2 16 X 16 12 - 22

Radiation Shield for Cathedral Ceiling (ERSC)



For installations where EXCEL chimney extends through a pitched ceiling. The firestop trim is adjustable to accommodate any pitch and has spacers to ensure that proper clearances are met.

In Canada, this part can be used in combination with factory built fireplaces only. For woodstove installations in Canada, the Attic Radiation Shield for Cathedral Ceilings (ERSCA) is required in combination with a Radiation Shield Tube.

Radiation Shields do NOT reduce chimney clearance. Always maintain 2^{\ast} clearance to chimney through radiation shields.

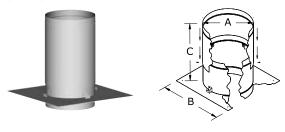
				INCHE2		
Dimensions						
Code	Α	В	C			
6ERSC	8 1/4	10 1/4	24-38			
7ERSC	9 1/4	11 1/4	24-38			
8ERSC	10 1/4	12 1/4	24-38			



Canadian Components:

The following components are for Canadian installations only and are not available in the USA.

Attic Radiation Shields (ERSA)

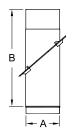


The radiation shield protects combustible framing in the floor or ceiling adjacent to the chimney and also acts as a firestop spacer. When the chimney passes through the radiation shield into an insulated space a universal storm collar must be installed on top of the ERSA to prevent the entry of insulation. The ERSA has a flange on the bottom to fasten the radiation shield tube. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

			INCHES			
Dimensions						
Code	Α	В	C			
5ERSA	Ø 10 1/2	16 X 16	10 - 20			
6ERSA	Ø 10 1/2	16 X 16	10 - 20			
7ERSA	Ø 11 1/2	16 X 16	10 - 20			
8ERSA	Ø 12 1/2	16 X 16	10 - 20			
			Canada Only, not available in USA			

Attic Radiation Shield for Cathedral Ceiling (ERSCA)

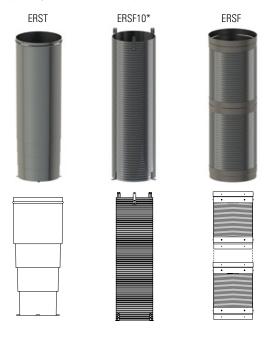




Similar to the Attic Radiation Shield (ERSA), only this component is designed for freestanding woodstove installations where insulated chimney passes through a cathedral ceiling. The ERSCA has a flange at its base to connect a Radiation Shield Tube. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

		INCHES			
	Dimensions				
Code	Α	В			
6ERSCA	10	24 - 38			
7ERSCA	11	24 - 38			
8ERSCA	12	24 – 38 Canada Only, not available in USA			

Radiation Shield Tubes (ERST, ERSF & ERSF10)



The radiation shield tube is only used where the chimney is enclosed in the interior of the building (e.g. between the basement ceiling and the attic). It is not required in the attic or on exterior chase installations. It is not required when EXCEL is installed on a fireplace, gas or oil appliance. The ERST or ERSF10 are for straight installations, the ERSF is used when an offset is required in the chimney. Radiation Shields do NOT reduce chimney clearance. Always maintain 2^e clearance to chimney through radiation shields.

*ERSF10 does not include a Square Support Adapter (ESQSA); please order one separately for square support installations.

			INCHES					
ERST Dimensions [†]								
Chimney	Diameter	Min. Length	Max. Length					
6" Ø	9 3/4 - 10 3/4	32 1/4	98 1/4					
7" Ø	10 3/4 - 11 3/4	32 1/4	98 1/4					
8" Ø	11 3/4 - 12 3/4	32 1/4	98 1/4					
ERSF10 Dimensions [†]								
Chimney	Inside diameter	Min. Length	Max. Length					
6" Ø	9 3/4	36	120					
7" Ø	10 3/4	36	120					
8" Ø	11 3/4	36	120					
	ERSF D)imensions [†]						
Chimney	Inside diameter	Min. Length	Max. Length					
6" Ø	9 3/4	45	137 1/2					
7" Ø	10 3/4	45	137 1/2					
8" Ø	11 3/4	45	137 1/2					

[†]Canada Only, not available in USA

EXCEL Offset Tables

48" + 48"

Use this table if you are not installing an adjustable length between the elbows.

THVEEN FSETS RISE OFFSET RISE	aujusta	Die iei	iyui b	elve	en uie	einov	vs.			aujustai	bie iengui is	requireu.		
restm lot lot<	LENGTH	15° E	lbows	30° E	Ibows	45° E	lbows		15° E	lbows	30° E	lbows	45° E	Elbows
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													All measureme	his are in incl
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	8"+24"+12"	86	21 3/4	80 1/4	42 1/2	69 1/4	61 1/4							

Use this table when an 18 inch

adjustable length is required.

All measurements are in inches

99 1/4 25 1/4 92 49 1/2 79 71

ULTRABlack DOUBLE WALL STOVE PIPE



ULTRABlack Technical Information

Certification

ULTRABlack has been tested and listed by Intertek Testing Services.

Applications

ULTRABlack is designed to be used as a connector between a freestanding oil, wood or coal burning stove and a masonry or metal chimney. There are four primary advantages to ULTRABlack over single wall connector pipes:

- It offers reduced clearance to combustible materials.
- It is designed to last the lifetime of the stove and/or chimney system.
- It offers reduced creosote formation.
- It is certified for use with mobile home stoves.

Allowable Flue Gas Temperatures

Max Continuous	650°C (1200°F)
Brief Forced Firing	925°C (1700°F)
Tested To	1150°C (2100°F)

Clearance to Combustible Materials

ULTRABlack is certified for 6" clearance with the following exception. When ULTRABlack is used as the connector on a mobile home certified stove the clearance is determined by the installation instructions for the specific stove model being installed.

Construction

Flue: .016" stainless steel.
Casing: .019" satin coat steel. Satin coat is specifically designed to be painted.
Seam: Interior and exterior seams are seam welded.
Wall thickness: Approximately 3/8"
Paint: Forrest "Stove Bright" flat black

ULTRABlack Engineering and Design Considerations

Maximum allowable overall height:

There is no maximum requirement however, as a general guideline we recommend that the length of ULTRABlack not exceed 20 feet.

ULTRABlack assembles like a regular single wall stove pipe - no complicated, unsightly twist lock connectors or spot welds. There is no cutting required and all the screw holes are predrilled. Just put one piece on top of the other and screw together using the black oxide screws provided. Easily fits most stoves, including cast iron stoves and stoves with oval collars. ULTRABlack is approved for mobile home installation on most major stove brands, when installed with EXCEL insulated chimney. For mobile home installations follow the stove manufacturer's installation instructions.

EXCEL ULTRABlack

Fully Shielded Stove pipe with smooth, clean lines.

- Requires just 6" clearance to combustibles in all diameters - even when installed in a corner, or parallel with a ceiling*.
- Has a smooth, clean appearance to compliment any stove installation.
- Maximizes flue gas temperature, ensuring good draft.
- Minimizes creosote buildup.

* Some stoves may require greater clearances.

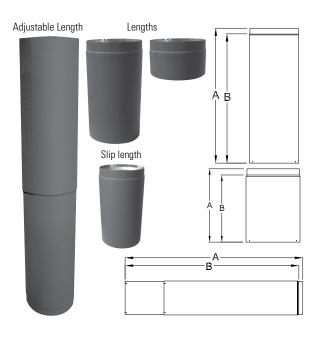


ULTRABlack Product Descriptions

Lengths (UB5F, UB1F, UB18F, UB2F & UB3F)

Adjustable Lengths (UBAF)

Slip Lengths (UB6SF, UB1SF & UB18SF)



Lengths are available in 5", 12", 18", 24" and 36".

Adjustable Lengths combine a 36" length and a 36" slip length in one box. The UBAF fits all brands of insulated chimney and most brands of wood burning stoves without a stove or chimney adapter. A UBTC trim collar is included with the UBAF.

Slip Lengths slide over a regular straight length allowing you to adjust the overall length of a straight run without cutting. The minimum adjustment can be reached only if the length used below the slip length is long enough to accept it.

- 1	INI	r	Ц	E

INCHES

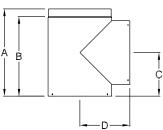
			INCHES
	Leng	th Dimensions (6-7-8")	
Code	Α	В	
6-7-8 UB5F	5	4	
6-7-8 UB1F	12	11	
6-7-8 UB18F	18	17	
6-7-8 UB2F	24	23	
6-7-8 UB3F	36	35	
			INCHES

					INCHES
Slip Length Dimensions					
Code	A MIN.	A MAX.	B MIN.	B MAX.	
UB6SF	2	6	1	5	
UB1SF	2	12	1	11	
UB18SF	2	18	1	17	
					INCHES

					INTOTILO	
Adjustable Length Dimensions						
Code	A MIN.	A MAX.	B MIN.	B MAX.		
6UBAF	40	68	39	67		
7UBAF	40	68	39	67		
8UBAF	40	68	39	67		

Tees (UBT)





Combines a 90° transition with a clean out. Includes a tee cap.

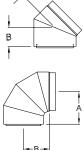
					INCHES
		Dimens	ions		
Code	Α	В	C	D	
6UBT	12	11	6	5 7/8	
7UBT	12	11	6	6 3/8	
8UBT	12	11	6	6 7/8	

Elbows (UB30, UB45 & UB90)

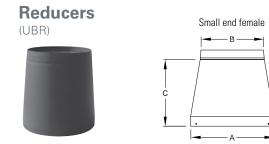




Are available in 30°, 45° and 90°.



		in one
	Dimensions (30°	°, 45°, 90°)
Code	Α	В
6UB30	2 5/16	2 9/16
7UB30	2 7/16	2 11/16
8UB30	2 9/16	2 13/16
6UB45	2 3/4	3
7UB45	2 15/16	3 3/16
8UB45	3 1/8	3 3/8
6UB90	5 9/16	4 1/2
7UB90	6 1/16	5
8UB90	6 9/16	5 1/2



Designed to reduce the diameter of a system to accommodate a range of flue sizes, appliances and installations. *Note: Decreasing chimney diameter even 1" can have a serious negative impact of chimney performance. Be careful to use these components only when appropriate.* INCHES

			INCHES
	Dimer	nsions	
Code	Α	В	C
UBR76	7	6	7
UBR86	8	6	7
UBR87	8	7	7

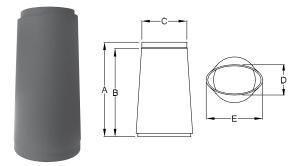
Designed to increase the diameter of a system to accommodate a range of flue sizes, appliances and installations. *Note: Increasing chimney diameter can reduce draft and increase creosote formation. Be careful to use these components only when appropriate.*

				INCHES
		Dimensions		
Code	Α	В	C	
UBI56	5	6	7	
UBI67	6	7	7	
UBI68	6	8	7	
UBI78	7	8	7	

Oval to Round Adapter (UBORF)

Increasers

(UBI)



С

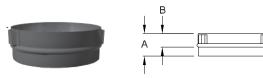
Small end male

Adapters are designed to connect ULTRABlack to stoves with oval flue collars - such as a Vermont Castings Defiant Encore. Available in 8" only.

					INC	CHES
		Dimens	ions (8" onl	y)		
Code	Α	В	C	D	E	
8UBORF	18	17	8	5 3/4	10 3/4	

Stove Adapters

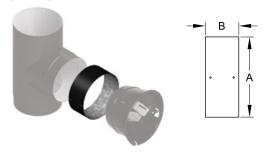




Primarily used with cast iron flue collars. Connect ULTRABlack to stoves with flue collars that do not project above the top of the stove. It can also be used to connect to stoves with irregular shaped or sized flue collars.

			INCHES
		Dimensions	
Code	Α	В	
6UBSE	2 1/2	1 1/2	
7UBSE	2 1/2	1 1/2	
8UBSE	2 1/2	1 1/2	

Barometric Damper Adapter (SWBA)

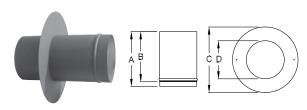


This adapter simplifies the connection between a barometric damper and an EXCELPrime or ULTRABlack tee.

		INCH	ES
		Dimensions	
Code	Α	В	
6SWBA	6 1/16	2 3/8	
7SWBA	7 1/16	2 3/8	
8SWBA	8 1/16	2 3/8	

Masonry Adapter

(UBM)



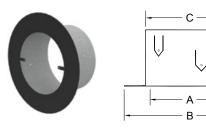
D

This part acts as a thimble sleeve to secure ULTRABlack to a masonry chimney that does not have a thimble or has an oversize one. *Note: ULTRABlack is not certified to pass through a combustible wall.* An EXCELiner Insulated Thimble (ITH) must be used where there is a combustible wall between the stove and the masonry chimney. Flat trim collar included.

				I	INCH
		Dimension	S		
Code	Α	В	C	D	
6UBM	11 7/8	10 7/8	12	6 1/8	
7UBM	11 7/8	10 7/8	13	7 1/8	
8UBM	11 7/8	10 7/8	14	8 1/8	

Masonry Thimble Adapter

(UBMA)

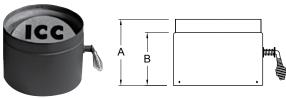


Connect ULTRABlack to a masonry chimney with an existing 8" thimble. *Note: ULTRABlack is not certified to pass through a combustible wall. An EXCELiner Insulated Thimble (ITH) must be used where there is a combustible wall between the stove and the masonry chimney.*

					INCHE2
		Dimension	S		
Code	Α	В	C	D	
6UBMA	6 7/8	11 1/8	7 1/2	4 3/4	

Damper Section





Butterfly type in line dampers. They are recommended by some stove manufacturers to help control draft.
INCHES

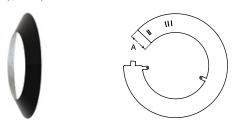
Dimensions				
Α	В			
5	4			
	Α	A B		

Trim Collars

Covers the crimped (top) end of ULTRABlack where it connects to the insulated chimney. A UBTC is included with every UBAF so they rarely need to be purchased separately.

		INCHES
	Dimensions	
Code		
6UBTC	22 x 2	
7UBTC	25 3/8 x 2	
8UBTC	28 1/2 x 2	

Conical Trim Ring



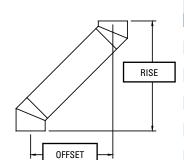
Adjustable to fit the exterior of regular ULTRABlack lengths and slip lengths. There are also slots to fit fixed and slip EXCELDirect lengths as well as single wall black pipe. Available in 6" or 8".

		INCHES
	Dimensions	
Code	Α	
UBTR	3"	

ULTRABlack Offset Tables

45° ELBOWS UB OFFSET TABLE - Use this table if you are not installing a slip length (UBSF) between the elbows.

LENGTH BETWEEN	45° Elbows		
ELBOWS	RISE	OFFSET	
6 INCH Ø			
NO LENGTH	8 1/4	3 1/2	
5" Length	11	6 1/4	
12" Length	16	11 1/4	
18" Length	20 1/4	15 1/2	
24" Length	24 1/2	19 3/4	
36" Length	33	28 1/4	
7 INCH Ø			
NO LENGTH	9	3 3/4	
5" Length	11 3/4	6 1/2	
12" Length	16 3/4	11 1/2	
18" Length	21	15 3/4	
24" Length	25 1/4	20	
36" Length	33 3/4	28 1/2	
8 INCH Ø			
NO LENGTH	9 3/4	4	
5" Length	12 1/2	7	
12" Length	17 1/2	11 3/4	
18" Length	21 3/4	16	
24" Length	26	20 1/4	
36" Length	34 1/2	28 3/4	
All mea	isurements ar	e in inches	

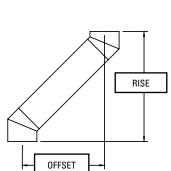


45° ELBOWS
B OFFSET TABLE - Use this table if you are installing
an adjustable length between the elbows.

LENGTH BETWEEN	45° Elbows	
45 ELBOWS	RISE	OFFSET
6 INCH Ø		
NO LENGTH + UB6SF	9 1/4 - 11	4 1/2 - 6 1/4
5" LENGTH + UB6SF	12 - 14	7 1/4 - 9 1/4
5" LENGTH + UB12SF	16 - 18 1/4	11 1/4 - 13 1/2
12" LENGTH + UB12SF	17 - 23	12 1/4 - 18 1/4
18" LENGTH + UB12SF	21 1/4 - 27 1/4	16 1/2 - 22 1/2
24" LENGTH + UB18SF	25 1/2 - 35 3/4	20 3/4 - 31
UBAF	36 1/2 - 56 1/4	31 3/4 - 51 1/2
18" LENGTH + UBAF	47 3/4 - 67 3/4	43 - 63
36"+36"+12" + UB18SF	66 1/2 - 76 3/4	61 3/4 - 72
36"+36"+24" + UB18SF	75 - 85 1/4	70 1/4 - 80 1/2
36"+36"+36" + UB18SF	83 1/2 - 93 3/4	78 3/4 - 89
7 INCH Ø		
NO LENGTH + UB6SF	10 - 11 3/4	4 3/4 - 6 1/2
5" LENGTH + UB6SF	12 3/4 - 14 3/4	7 1/2 - 9 1/2
5" LENGTH + UB12SF	16 3/4 - 19	7 1/2 - 13 3/4
12" LENGTH + UB12SF	17 3/4 - 23 3/4	12 1/2 - 18 1/2
18" LENGTH + UB12SF	22 - 28	16 3/4 - 22 3/4
24" LENGTH + 18UBSF	26 1/4 - 36 1/2	21 - 31 1/4
UBAF	37 1/4 - 57	32 - 51 3/4
18" LENGTH + UBAF	48 1/2 - 68 1/2	43 1/4 - 63 1/4
36"+36"+12" + UB18SF	67 1/4 - 77 1/2	62 - 72 1/4
36"+36"+12" + UB18SF	75 3/4 - 86	70 1/2 - 80 3/4
36"+36"+12" + UB18SF	84 1/4 - 94 1/2	79 - 89 1/4
8 INCH Ø		
NO LENGTH + UB6SF	10 1/2 - 12 1/2	5 - 7
5" LENGTH + UB6SF	13 1/2 - 15 1/4	7 3/4 - 9 3/4
5" LENGTH + UB12SF	17 1/2 - 19 1/2	7 3/4 - 14
12" LENGTH + UB12SF	18 1/4 - 24 1/2	12 3/4 - 19
18" LENGTH + UB12SF	22 1/2 - 28 3/4	17 - 23 1/4
24" LENGTH + 18UBSF	26 3/4 - 37 1/4	21 1/4 - 31 3/4
UBAF	38 - 57 3/4	32 1/4 - 52 1/4
18" LENGTH + UBAF	49 1/4 - 69	43 3/4 - 63 1/2
36"+36"+12" + UB18SF	67 3/4 - 78 1/4	62 1/4 - 72 3/4
36"+36"+12" + UB18SF	76 1/4 - 86 3/4	70 3/4 - 81 1/4
36"+36"+12" + UB18SF	84 3/4 - 95 1/4	79 1/4 - 89 1/2
	A 1	

All measurements are in inches

30° ELBOWS UB OFFSET TABLE- Use this table when a slip length (UBSF) is not installed between the elbows.				
LENGTH BETWEEN	30° EIDOWS			
OFFSETS	RISE	OFFSET		
6 INCH Ø				
NO LENGTH	7 1/4	2		
5" Length	10 1/2	4		
12" Length	16 3/4	7 1/2		
18" Length	21 3/4	10 1/2		
24" Length	27	13 1/2		
36" Length	37 1/2	19 1/2		
7 INCH Ø				
NO LENGTH	7 3/4	2		
5" Length	11	4		
12" Length	17 1/4	7 1/2		
18" Length	22 1/4	10 1/2		
24" Length	27 1/2	13 1/2		
36" Length	38	19 1/2		
8 INCH Ø				
NO LENGTH	8 1/4	2 1/4		
5" Length	11 3/4	4 1/4		
12" Length	17 3/4	7 3/4		
18" Length	23	10 3/4		
24" Length	28 1/4	13 3/4		
36" Length	38 1/2	19 3/4		
All measurements are in inches				



length between the elbo	WS.
30° Elbows RISE	OFFSET
8 1/4 - 10 1/2	2 3/4 - 4
11 3/4 - 14	4 3/4 - 6
16 3/4 - 19 1/4	7 1/2 - 9
17 3/4 - 25 1/4	8 1/4 - 12 1/2
23 - 30 1/2	11 1/4 - 15 1/2
28 1/4 - 41	14 1/4 - 21 1/2
41 3/4 - 66	22 - 36
55 1/2 - 79 3/4	30 - 44
78 1/4 - 91 1/4	43 1/4 - 50 1/2
88 3/4 - 101 1/2	49 1/4 - 56 1/2
99 1/4 - 112	55 1/4 - 62 1/2
8 3/4 - 11	2 3/4 - 4
12 1/4 - 14 1/2	4 3/4 - 6
17 1/4 - 19 3/4	7 1/2 - 9
18 1/4 - 25 3/4	8 1/4 - 12 1/2
23 1/2 - 31	11 1/4 - 15 1/2
28 3/4 - 41 1/2	14 1/4 - 21 1/2
42 1/4 - 66 1/2	22 - 36
56 - 80 1/4	30 - 44
78 3/4 - 91 3/4	43 1/4 - 50 1/2
89 1/4 - 102	49 1/4 - 56 1/2
99 3/4 - 112 1/2	55 1/4 - 62 1/2
9 1/4 - 11 3/4	3 - 4 1/4
12 3/4 - 15 1/4	5 - 6 1/4
17 3/4 - 20 1/4	7 3/4 - 9 1/4
18 3/4 - 26 1/2	8 1/2 - 12 3/4
24 - 31 3/4	11 1/2 - 15 3/4
29 1/4 - 42	14 1/2 - 21 3/4
43 - 67 1/4	22 1/4 - 36 1/4
56 3/4 - 81	30 1/4 - 44 1/4
79 1/2 - 92 1/4	43 1/2 - 50 3/4
89 3/4 - 102 3/4	49 1/2 - 56 3/4
100 1/4 - 113	55 1/2 - 62 3/4
All n	neasurements are in inches
	30° Elbows RISE 8 1/4 - 10 1/2 11 3/4 - 14 16 3/4 - 19 1/4 17 3/4 - 25 1/4 23 - 30 1/2 28 1/4 - 41 41 3/4 - 66 55 1/2 - 79 3/4 78 1/4 - 91 1/4 83 3/4 - 101 1/2 99 1/4 - 112 83 3/4 - 101 1/2 99 1/4 - 112 83 3/4 - 11 12 1/4 - 14 1/2 99 1/4 - 112 83/4 - 11 12 1/4 - 14 1/2 17 1/4 - 19 3/4 18 1/4 - 25 3/4 23 1/2 - 31 28 3/4 - 11 21 4/2 - 66 1/2 56 - 80 1/4 78 3/4 - 91 3/4 89 1/4 - 102 99 3/4 - 112 1/2 91/4 - 11 3/4 12 3/4 - 15 1/4 17 3/4 - 20 1/4 18 3/4 - 26 1/2 24 - 31 3/4 29 1/4 - 42 43 - 67 1/4 56 3/4 - 81 79 1/2 - 92 1/4 89 3/4 - 102 3/4 100 1/4 - 113

30° ELBOWS UB OFFSET TABLE- Use this table if you are installing an adjustable

REVOLUTIONARY NEW STOVE PIPE

THE ONLY STOVE PIPE LISTED FOR 4" CLEARANCE WITH SHIELDING





4" CLEARANCE HORIZONTAL

EXCELPrime



EXCELPrime Technical Information

Certification

EXCELPrime has been tested and listed by Intertek Testing Services

Applications

EXCELPrime is designed to be used as a connector between a freestanding oil, wood or coal burning stove and a masonry or metal chimney.

Allowable Flue Gas Temperatures

Max Continuous Brief Forced Firing Tested To 650°C (1200°F) 925°C (1700°F) 1150°C (2100°F)

Clearance to Combustible Materials

EXCELPrime is certified for 18" clearance to combustible materials or otherwise specified by appliance manufacturer instructions.

With the addition of a listed EXCELPrime Heat Shield, the clearance can be reduced to:

6" dia.- 4" clearance from the shield7" & 8" dia.- 6" clearance from the shield

Construction

Single Wall: 24ga steel Seam: Laser seam welded Paint: Forrest "Stove Bright" flat black

EXCELPrime Engineering and Design Considerations

Maximum allowable overall height:

EXCELPrime must not exceed 10 feet in length and a maximum of two 90-degree elbows are permitted.

To assemble EXCELPrime, ensure that the shrunken end is facing down. Place one length on top of another and screw them together using the screws provided. There is no cutting required and all the screw holes are predrilled. EXCELPrime easily fits most stoves including cast iron stoves and stoves with oval collars.

EXCELPrime

Single wall stove pipe with smooth, clean lines.

- Heavy wall, 24ga steel.
- Laser welded to be perfectly round and does not require assembly like snap lock pipes.
- Has a 5 year, no questions asked replacement warranty.
- Without shielding, EXCELPrime requires 18" clearance to combustibles in all diameters.
- With an EXCELPrime UL Listed Heat Shield, clearance to combustibles can be reduced to 4" from the exterior of the shield for 6" EXCELPrime or 6" clearance for 7 & 8" EXCELPrime.



Length (SW1, SW18, SW2, SW3, SW4)

Slip Length (SW1S)

Adjustable Length (SWA)

Length Adjustable Length

Lengths are available in 12", 18", 24", 36" and 48" lengths; 6", 7" and 8" diameter.

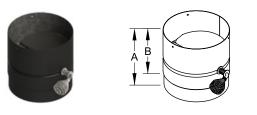
Slip Length will slide into a regular straight length allowing you to adjust the overall length of a straight run without cutting. The minimum adjustment can be reached only if the length used below the slip length is long enough to accept it.

Adjustable Lengths combine a 36" length and a 36" slip length in one box. The SWA provides enough range that it is often the only component required for vertical installations.

					INCHES
		Length Dime	nsions		
Code		A	В		
SW1		12	10 5/8		
SW18		18	16 5/8		
SW2		24	22 5/8		
SW3		36	34 5/8		
SW4		48	46 5/8		
					INCHES
	S	Slip Length Din	nensions		
Code		Min. Installed Leng	th Max. Instal	led Length	
SW1S		1 3/8	10 5/8		
SW6S		1 3/8	4 5/8		
					INCHES
	Adju	stable Length	Dimensions		
Code	A MIN.	A MAX.	B MIN.	B MAX.	

Damper Section





Acts as a 5" length and has a butterfly type incorporated damper. In the closed position, the damper is still 20% open so as not to completely block the chimney.

38 5/8

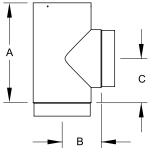
66 5/8

68

		INGILO
	Dimen	isions
Code	A	В
SWD	6	4 5/8

Tee (SWT)





Combines a 90° transition with a clean out. Tee Cap (SWTP) not included.

				INCHES
		Dimensions		
Code	Α	В	C	
6SWT	10 5/8	4 1/4	4 3/4	
7SWT	10 5/8	4 3/4	4 3/4	
8SWT	10 5/8	5 1/4	4 3/4	

Tee Cap (SWTP)



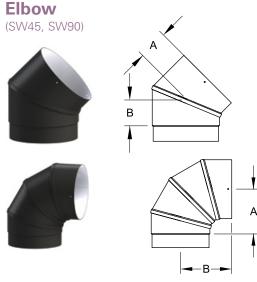


Caps off the open portion of a Tee.

SWA

40

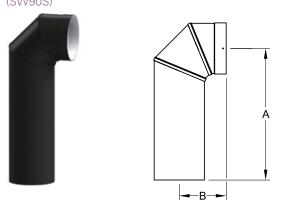
		INCHES
	Dimensions	
Code	A	В
6SWTP	6	1
7SWTP	7	1
8SWTP	8	1



Are available in 45° and 90°

			INCHES
	Dimens	ions	
Code	Α	В	
6SW45	2 5/8	2 1/4	
7SW45	2 7/8	2 1/4	
8SW45	3 1/8	2 1/2	
6SW90	4 3/4	5 3/8	
7SW90	5 1/4	5 7/8	
8SW90	5 3/4	6 3/8	

Slip Elbow 90° (SW90S)



Combines a 90° elbow and a slip length in one piece.

				INCHES
		Dimensions		
Code	A max.	A min.	В	
6SW90S	19 3/4	4	5 5/8	
7SW90S	19 3/8	4 1/2	6 1/8	
8SW90S	19 1/8	5	6 5/8	

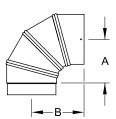
Clean Out Elbow 90° (SW90C)



Incorporates an easily removable inspection port that is large enough for a chimney brush.

			INCHES
	Dimensi	ions	
Code	Α	В	
6SW90C	4 5/8	6	
7SW90C	5 1/8	6 1/2	
8SW90C	5 5/8	7	

Adjustable Elbow 90° (SWA90)



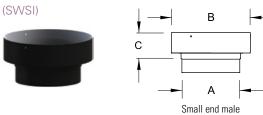
The angle of this elbow is variable between 90° and straight. Patent Pending.

			INCHES
	Dimensi	ions	
Code	Α	В	
6SWA90	5 3/8	6 3/8	
7SWA90	5 7/8	6 7/8	
8SWA90	6 3/8	7 3/8	

Increaser

Reducer

(SWSR)



С

Designed to increase the diameter of a system to accommodate a range of flue sizes, appliances and installations. *Note: Increasing chimney diameter can reduce draft and increase creosote formation. Be careful to use these components only when appropriate.*

				INCHES
		Dimensions		
Code	Α	В	C	
SWSI67	6	7 1/8	2 5/8	
SWSI68	6	8 1/8	2 5/8	
SWSI46	3 7/8	6 1/8	2 1/4	

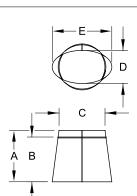
Designed to reduce the diameter of a system to accommodate a range of flue sizes, appliances and installations. *Note: Decreasing chimney diameter even 1" can have a serious negative impact on chimney performance. Be careful to use these components only when appropriate.*

				INCHES
		Dimensions		
Code	Α	В	C	
SWSR76	7	6 1/8	2 1/2	
SWSR87	8	7 1/8	2 1/2	
SWSR86	8	6 1/8	2 1/2	

Oval to Round Adapter

(8SWOR)





Small end female

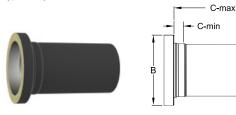
В

А

Connects EXCELPrime to stoves with oval flue collars. Available in 8" only.

					INCHES
		Dir	nensions		
Code	Α	В	C	D	E
8SWOR	9	7 7/8	8	5 3/4	10 3/8

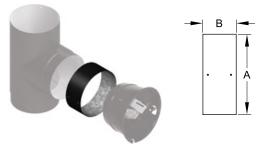
12" Slip Flue Extension (SWEX)



Can be used to replace the EXCEL Flue Extension (EX) in EXCELPrime installations. This 12" long version will slip into a standard length, eliminating the need for a slip length.

				IN	CHES
		Dimens	ions		
Code	Α	В	C MIN.	C MAX.	
6SWEX	5 7/8	8	1/2	10 - 3/4	

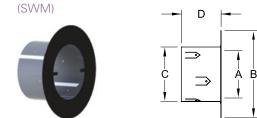
Barometric Damper Adapter (SWBA)



This adapter simplifies the connection between a barometric damper and an EXCELPrime or ULTRABlack tee.

			INCITES
		Dimensions	
Code	Α	В	
6SWBA	6 1/16	2 3/8	
7SWBA	7 1/16	2 3/8	
8SWBA	8 1/16	2 3/8	

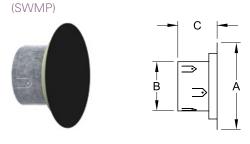
Masonry Adapter



Connects 6" EXCELPrime to a 7" or 8" masonry chimney thimble. *Note: EXCELPrime is not certified to pass through a combustible wall. An EXCELiner Insulated Thimble (ITH, page 39) must be used where there is a combustible wall between the stove and the masonry chimney.*

					INCHES
		Dimensic	ons		
Code	Α	В	C	D	
6SWM	6 1/4	10 1/2	6 5/8	4 3/4	

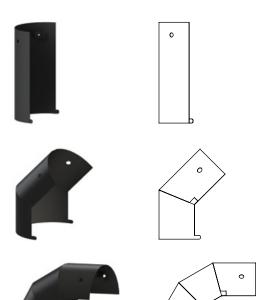
Masonry Plug



Plugs the opening into an existing masonry chimney that had been previously used to vent another appliance. The Masonry Plug is capable of plugging a round opening up to 8" diameter and is lined with insulation to prevent cold drafts.

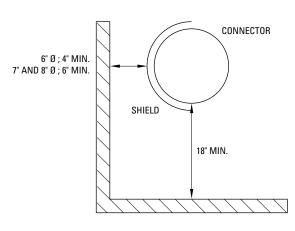
				INCHES
		Dimensions		
Code	Α	В	C	
SWMP	10 1/2	5 7/8	4 3/4	

Heat Shield (SW1HS, SW2HS, SW3HS, SW45HS, SW90HS)



Reduces clearance required from combustible walls and ceilings. EXCELPrime heat shields are UL listed in combination with EXCELPrime only and will not reduce the clearance of other brands of stove pipe (each heatshield includes installed heatshield spacers). For other brands of single wall stove pipe, clearances will be reduced to those of an unlisted heat shield installation. Available in 12", 24", 36", 45° and 90° designs.

	INCHES
	Clearance
Diameter	Clearance to Combustibles from Shielding
6"	4"
7"	6"
8"	6"



Heat Shield Spacer (SWHSS)



Used to maintain 7/8" spacing where shields do not overlap.

	In offee
	Dimensions
Code	A
SWHSS	7/8

INCHES

EXCELPrime Offset Tables

Use this table if you are not installing an adjustable length between the elbows.

LENGTH BETWEEN OFFSETS	45°	' Elbows
	RISE	OFFSET
6 INCH Ø		
NO LENGTH	8 1/4	3 1/2
6" SLIP LENGTH	11 1/2	6 3/4
12" LENGTH	15 3/4	11
18" LENGTH	20	15 1/4
24" LENGTH	24 1/4	19 1/2
36" LENGTH	32 3/4	28
SWA min	35 3/4	30 3/4
SWA max	55 1/2	50 1/2
7 INCH Ø		
NO LENGTH	8 3/4	3 1/2
6" SLIP LENGTH	12	7
12" LENGTH	16 1/4	11 1/4
18" LENGTH	20 1/2	15 1/2
24" LENGTH	24 3/4	19 1/2
36" LENGTH	33 1/4	28
SWA min	36	31
SWA max	55 3/4	50 3/4
8 INCH Ø		
NO LENGTH	9 1/2	4
6" SLIP LENGTH MAX	12 3/4	7 1/4
12" LENGTH	17	11 1/2
18" LENGTH	21 1/4	15 3/4
24" LENGTH	25 1/2	20
36" LENGTH	34	28 1/2
SWA min	37	31 1/4
SWA max	56 3/4	51

Use this table if you are installing an adjustable length between the elbows.

45° Elbows					
	RISE			OFFSE	г
	-	11 1/2		-	6 3/4
16 3/4	-	19	12	-	14 1/4
16 3/4	-	23 1/4	12	-	18 1/2
21	-	27 1/2	16 1/4	-	22 3/4
25 1/4	-	31 3/4	20 1/2	-	27
28 1/2	-	35	23 3/4	-	30 1/4
33 3/4	-	40 1/4	29	-	35 1/2
36 1/2	-	55 1/2	31 3/4	-	50 1/2
	-	12		-	7
17 1/4	-	19 1/2	12	-	14 1/2
17 1/4	-	23 3/4	12	-	18 3/4
21 1/2	-	28	16 1/4	-	23
25 3/4	-	32 1/4	20 1/2	-	27 1/4
29	-	35 1/2	23 3/4	-	30 1/2
34 1/4	-	40 3/4	29	-	35 1/2
37	-	55 3/4	32	-	50 3/4
	-	12 3/4		-	7 1/4
18	-	20 1/2	12 1/2	-	14 3/4
18	-	24 3/4	12 1/2	-	19
22 1/4	-	28 3/4	16 3/4	-	23 1/4
26 1/2		33	21	-	27 1/2
29 3/4	-	36 1/2	24 1/4	-	30 3/4
35		41 1/2	29 1/2	-	36
38	-	56 3/4	32 1/4	-	51
	16 3/4 21 25 1/4 28 1/2 33 3/4 36 1/2 17 1/4 17 1/4 17 1/4 21 1/2 25 3/4 29 34 1/4 37 18 18 18 18 18 18 22 1/4 26 1/2 29 3/4 35	- 16 3/4 - 21 - 25 1/4 - 28 1/2 - 33 3/4 - 36 1/2 - - 17 1/4 - 17 1/4 - 17 1/4 - 17 1/4 - 25 3/4 - 29 - 34 1/4 - 37 - - 18 - 18 - 19 - 29 3/4 - 35 - -	RISE - 11 $1/2$ 16 $3/4$ - 16 $3/4$ - 21 - 25 $1/4$ - 21 - 25 $1/4$ - 31 $3/4$ 28 $1/2$ - 35 - 33 $3/4$ - 40 $1/4$ - 36 $1/2$ - 55 $1/2$ V - 12 17 $1/4$ - 19 $1/2$ - 17 $1/4$ - 29 - 35 $1/2$ - 34 $1/4$ - 40 $3/4$ - 37 - 55 $3/4$ - - 12 $3/4$ 18 - 20 $1/2$ - 18 - 21/4 - 28 $3/4$ - 26 $1/2$ - 35 - 41 $1/2$	RISEI 11 $1/2$ 16 $3/4$ -191216 $3/4$ -23 $1/4$ 1221-27 $1/2$ 16 $1/4$ 25 $1/4$ -31 $3/4$ 20 $1/2$ 28 $1/2$ -3523 $3/4$ 33 $3/4$ -40 $1/4$ 2936 $1/2$ -55 $1/2$ 31 $3/4$ -17 $1/4$ -19 $1/2$ 17 $1/4$ -19 $1/2$ 1217 $1/4$ -19 $1/2$ 1217 $1/4$ -23 $3/4$ 1221 $1/2$ -2816 $1/4$ 25 $3/4$ -32 $1/4$ 20 $1/2$ 29-35 $1/2$ 23 $3/4$ 34 $1/4$ -40 $3/4$ 2937-55 $3/4$ 3212 $3/4$ 18-20 $1/2$ 18-24 $3/4$ 26 $1/2$ -332129 $3/4$ -36 $1/2$ 24 $1/4$ 35-41 $1/2$ 29 $1/2$	RISE OFFSE - 11 1/2 - 16 3/4 - 19 12 - 16 3/4 - 23 1/4 12 - 21 - 27 1/2 16 1/4 - 25 1/4 - 31 3/4 20 1/2 - 28 1/2 - 35 23 3/4 - 28 1/2 - 35 23 3/4 - 33 3/4 - 40 1/4 29 - 36 1/2 - 55 1/2 31 3/4 - - 12 - - - 17 1/4 19 1/2 12 - - 17 1/4 23 3/4 12 - - 17 1/4 23 3/4 12 - - 17 1/4 23 3/4 20 1/2 - - 29 35 1/2 23 3/4 - - 37 55 3/4 32 - - 18

All measurements are in inches

All measurements are in inches

EASY TO INSTALL EASY TO MAINTAIN SUPERIOR QUALITY PRODUCT

Manufactured using Type 304 stainless steel, EXCELiner is listed to UL and ULC standards by IntertekTesting Services to be used as a liner in a new chimney or to reline an existing chimney. Designed to withstand chimney fires without damage and to facilitate installation, its perfectly round, smooth shape allows lengths to fit together effortlessly. Simply line up the pre-punched holes, fasten with the stainless steel rivets provided and you're done!

EXCELiner offers versatility and a cost-effective solution, with a large range of lengths, connections and diameters, making it an excellent option when used:

- to replace clay tile liners or to reline clay tile liners which have become cracked, misused, or had chimney fires;
- to improve the safety, performance and efficiency of wood or gas-burning stoves and fireplace inserts by reducing the chimney to the correct size for the appliance;
- to improve draft, reduce fuel consumption, and help to ensure consistent appliance operation;
- as the flue in a new masonry chimney or in an unlined chimney.

Factory hemmed ends and smooth overlap joints make for safer, easier installations with no more cuts.

Laser welded seams prevent leaks and eliminate the possibility of seam separation

Lengths and components are made with Type 304 stainless steel

> Assembly is easy with the pre-punched holes and stainless steel rivets provided.

> > Lifetime Warranty



EXCELiner can be used in combination with EXCELFlex liner to install in difficult to maneuver places.





EXCELiner Technical Information

Certification

EXCELiner is tested and listed by Intertek Testing Services to the following standards:

ULC S-635 - Standard for relining existing masonry chimneys in Canada.

ULC S-640 - Standard for liners for new masonry chimneys in Canada.

UL 1777 - Standard for liners in new and existing masonry chimneys in the USA.

The installation requirements vary depending on which standard your installation must meet, particularly with respect to the requirements for insulation and clearance from the liner. You must ensure that your EXCELiner is installed in accordance with your local building codes.

EXCELiner is available in 5", 5.5", 6", 7" and 8" diameters.

EXCELiner is certified for installation in combination with all certified brands of flexible chimney liner.

Applications

EXCELiner is certified as a chimney liner for use on appliances that burn:

- Wood
- Oil
- Natural or LP Gas

Allowable Flue Gas Temperatures

Max Continuous	650°C (1200°F)
Brief Forced Firing	925°C (1700°F)
Tested To	1150°C (2100°F)

Clearance to Combustible Materials

The clearance between EXCELiner and surrounding combustible and non-combustible materials varies with the type of installation. Please refer to the installation instructions for specific details for your application.

Construction

Single wall: .016" or .025" stainless steel (all tees are heavy gauge .025").
Seam: Continuous seam welded.
Insulation: Optional (required for some applications) Foil backed ceramic liner.

EXCELiner Engineering and Design Considerations

EXCELiner is a fast, cost effective solution to the following chimney situations:

To repair cracked or damaged clay tile liners. EXCELiner is designed and approved to replace clay tile liners which have become cracked from age, misuse, or chimney fires. EXCELiner can be used to reline structurally sound masonry chimneys where the liners have deteriorated due to chimney fires, spalled tiles, moisture damage or eroded mortar joints.

To improve the safety, performance and efficiency of wood or gas burning stoves and fireplace inserts. By reducing the chimney to the correct size for the appliance EXCELiner improves draft, reduces fuel consumption, and helps ensure consistent operation. There is less creosote formation in a properly sized flue which decreases the probability of a chimney fire.

EXCELiner is listed to UL and ULC standards by Intertek Testing Services to be used as stainless steel liner in a new chimney, instead of a clay tile liner. Unlike clay tile liners, EXCELiner can withstand chimney fires without damage and comes with a lifetime warranty.

EXCELiner is easier to clean

EXCELiner's smooth surface accumulates less creosote than a flexible liner and is much easier to clean.



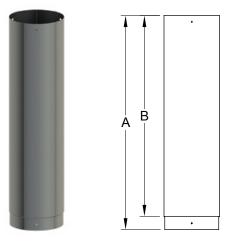
EXCELiner has been tested and listed to the ULC S-635 ULC S-640 and UL 1777 chimney liner standards by INTERTEK.

EXCELiner

EXCELiner Product Descriptions

Lengths

(LL4, LL3, LL2 & LL1)

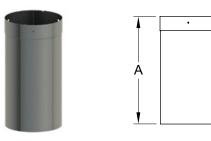


EXCELiner is available in 4', 3', 2' and 1' lengths. EXCELiner components fasten together with 100% stainless steel pop rivets wich are supplied with the liner. The holes and slots for the rivets are factory pre-punched so no drilling is required. The male and female ends are hemmed to make the liner more rigid and reduce the likelihood of cutting yourself during installation.

EXCELiner is available in 5", 5.5", 6", 7" and 8" diameter.

			INCHES
	Length Dime	nsions	
	Α	В	
LL1	11 5/8	10 1/4	
LL2	23 5/8	21 1/4	
LL3	35 1/2	33 1/8	
LL4	47 1/2	45 1/8	

Slip Lengths (LLA3 & LLA1)



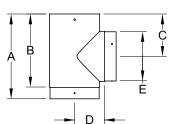
Slip lengths are available in 3' and 1' lengths. Slip lengths are used to adjust the length of the system without cutting. *Note: Slip lengths must be installed above a fixed length or they will not adjust. They should not be installed immediately above a tee or elbow.*

			INCHE2
	Dimensio	ns	
Code	A MIN.	A MAX.	
LLA1	1 3/8	11 5/8	
LLA3	1 3/8	35 1/2	

Split Base Tees

(LT)



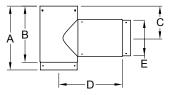


EXCELiner tees are made from .025" thick stainless steel. The removable snout is fastened to the body of the tee with heavy duty stainless steel screws. All 5 1/2", and 6" tees have a 6" diameter snout so that they can connect to 6" smoke pipe without a reducer. Tee Cap (LTC) not included.

1						INGUES
			Dimen	sions		
Ĭ	Code	Α	В	C	D	E
<u> </u>	5LT	9 3/8	8	4 5/8	3 1/8	4 7/8
	55LT	9 7/8	8 3/8	4 7/8	3 3/8	5 7/8
	6LT	10 3/8	9	5 1/8	3 5/8	5 7/8
	7LT	11 3/8	10	5 5/8	4 1/8	6 7/8
	8LT	12 3/8	11	6 1/8	4 5/8	7 7/8

Adjustable Snout Tees



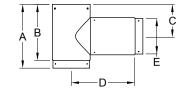


EXCELiner tees are made from .025" thick stainless steel. The LTA eliminates the difficult job of cutting and fastening a short horizontal length of liner in the breeching. **All 5 1/2"**, **and 6" tees have a 6" diameter snout so that they can connect to 6" smoke pipe without a reducer**. Tee Cap (LTC) not included.

						INC	CHES
			Dimensio	ons			
Code	Α	В	C	D MIN.	D MAX.	E	
5LTA	9 3/8	8	4 5/8	9 5/8	15 3/4	4 7/8	
55LTA	9 7/8	8 1/2	4 7/8	9 7/8	16	5 7/8	
6LTA	10 3/8	9	5 1/8	10 1/8	16 1/4	5 7/8	
7LTA	11 3/8	10	5 5/8	10 5/8	16 5/8	6 7/8	
8LTA	12 3/8	11	6 1/8	11 1/8	17 1/8	7 7/8	

Twist Lock Tee



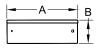


The Twist Lock Tee is ideal for tight installations. The snout connects to the body of the tee with a twist action and locks into place with fold over tabs.

						INCHES
			Dimensio	ons		
Code	Α	В	C	D MIN.	D MAX.	E
5LTL	10 1/4	8 7/8	5 1/8	9 3/4	15 7/8	4 7/8
55LTL	10 3/4	9 3/8	5 5/8	10	16 1/8	5 15/16
6LTL	11 1/4	9 7/8	5 5/8	10 1/4	16 3/8	5 7/8
7LTL	12 1/4	10 7/8	6 1/8	10 3/4	16 7/8	6 7/8
8LTL	13 1/4	11 7/8	7 1/8	11 1/4	17 3/8	7 7/8

Tee Cap

·



Blocks off the open portion of the tee.

Dimensions				
Code	Α	В		
5LTC	5	1		
55LTC	5 1/2	1		
6LTC	6	1		
7LTC	7	1		
8LTC	8	1		

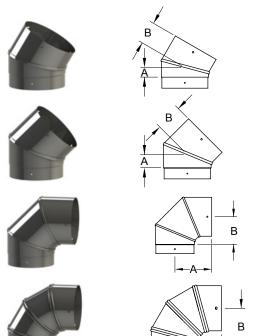
The elbows are used when a directional change is required (LEA90 can be adjusted).

INCHES

INCHES

Elbows

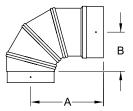
(LE30, LE45, LE90 & LEA90)



Dimensions			
Code	Α	В	
5LE30	1 1/4	2 5/8	
55LE30	1 3/8	2 3/4	
6LE30	1 3/8	2 7/8	
7LE30	1 1/2	3	
8LE30	1 5/8	3 1/8	
5LE45	1 5/8	3	
55LE45	1 3/4	3 1/8	
6LE45	1 7/8	3 1/4	
7LE45	2	3 1/2	
8LE45	2 1/4	3 5/8	
5LE90	5 1/4	3 7/8	
55LE90	5 1/2	4 1/8	
6LE90	5 3/8	4 3/8	
7LE90	6 1/4	4 7/8	
8LE90	6 3/4	5 3/8	
5LEA90	5 7/8	4 1/2	
55LEA90	6 1/8	4 3/4	
6LEA90	6 3/8	5	
7LEA90	6 7/8	5 1/2	
8LEA90	7 3/8	6	

Adjustable Flex Adapter Elbow (LAF90)





This adjustable elbow is designed for use during the installation of an insert. The angle of the elbow is adjustable to ease installation, and three tabs on the inside of the elbow help secure a flexible liner in place without tearing.

		INCHES
	Dimens	ions
Code	Α	В
5LAF90	8 1/2	4 1/2
55LAF90	8 3/4	4 3/4
6LAF90	9 1/4	5
7LAF90	9 3/4	5 1/2
8LAF90	10 1/4	6

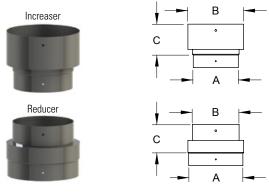
Flex Liner Adapters (LAF)

D R Α С D ġ A C

Note: The male end of EXCELiner will fit into most brands of stainless flex (except for some models of flex which are intentionally made undersize) so no adapter is generally required when the flex is installed below the rigid.

Increasers and Reducers

(LI & LR)



Can be used either as an appliance adapter for stainless flex or to connect rigid EXCELiner to flex. The 6LAF5 and 6LAF55 will connect an appliance with a 6" flue outlet to 5" or 5 1/2" flex liner respectively.

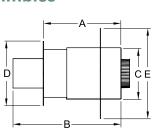
				INCHES
	Dim	ensions		
Code	Α	В	C	D
4LAF	4 1/2	1 3/4	3 7/8	4 1/2
5LAF	5 3/4	4 1/4	4 7/8	5 1/2
55LAF	5 3/4	4 1/4	5 3/8	6
6LAF	5 3/4	4 1/4	5 7/8	6 1/2
7LAF	5 3/4	4 1/4	6 7/8	7 1/2
8LAF	5 3/4	4 1/4	7 7/8	8 1/2
	D.			
	Dim	ensions		
Code	Α	В	C	D
6LAF5	4 5/8	3 1/4	5 7/8	5 1/2
6LAF55	3 3/8	1 3/4	5 7/8	6

Designed to increase or reduce the size of an EXCELiner to accommodate a range of flue sizes, appliances and installations. Note: Increasing or decreasing chimney size can have a negative impact of chimney performance and safety. Use these components only when appropriate.

				INCHES
	Incre	easer Dimensions		
Code	Α	В	C	
LI56	4 7/8	6	3 1/4	
LI556	5 3/8	6	3 1/4	
LI67	5 7/8	7	3 1/4	
LI78	6 7/8	8	3 1/4	
	Red	ucer Dimensions		
Code	Α	В	C	
LR65	5 7/8	5	3	
LR655	5 7/8	5 1/2	3	
LR76	6 7/8	6	3	
LR87	7 7/8	7	3	

Insulated Wall Thimbles



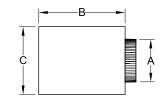


The ITH is tested and listed to connect through a combustible wall into a masonry chimney. It is adjustable to accommodate wall thickness up to 10" and can be combined with any UL listed liner system (ULC S-635, ULC S-640 or UL 1777). Not available in 5.5"

	INCHES					
Dimensions						
Code	A MIN.	A MAX.	В	C	D	E
5ITH	7 1/2	13	20	8 3/4	11	15 1/2
6ITH	7 1/2	13	20	9 3/4	12	17
7ITH	7 1/2	13	20	10 3/4	13	18 1/2
8ITH	7 1/2	13	20	11 3/4	14	20

ITH Extension (ITHE)





UL Listed extension for the Insulated Wall Thimble (ITH). Incre	eases the total depth of the ITH to 24".
	INCHES

		Dimensions		
Code	Α	В	C	
5ITHE	4 7/8	13 1/2	8 7/16	
6ITHE	5 7/8	13 1/2	9 7/16	
7ITHE	6 7/8	13 1/2	10 7/16	
8ITHE	7 7/8	13 1/2	11 7/16	

Rain Caps

EXCELiner

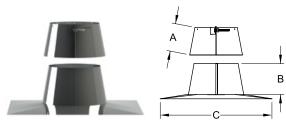


EXCELiner rain caps are made entirely of type 304 stainless steel. The top is held in place with four wing nuts on the regular (LCR) and deluxe (LCD) rain caps for easy removal and cleaning without the need to remove the rain cap itself. The deluxe cap has a stainless steel band.

		INCHES
		Dimensions
Code	Α	В
5 LCR & LCD	13	3 7/8
55 LCR & LCD	13	4
6 LCR & LCD	13	4 1/8
7 LCR & LCD	13	4 1/4
8 LCR & LCD	13	4 3/8

Top Supports

(LSA, LSAL, LSAG & LSAGL)



The top support is designed to seal off the top of the liner system and support the vertical liner. It is available in either stainless steel or galvalume. There are two base sizes available - $16" \times 16"$ and $24" \times 24"$.

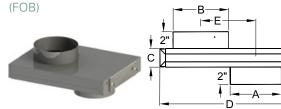
				INCHES
		Dimensions		
Code	Α	В	C	
LSA	4	4 1/2	16	
LSAL	4	4 1/2	24	
LSAG	4	4 1/2	16	
LSAGL	4	4 1/2	24	

Base Support

(LSB)

The base support is designed to seal and support a liner system. It is available in galvalume only. Support capacity 40'.

Offset Box



For tight insert installations that need to be offset quickly in order to align with the flue. The Offset Box is adjustable in length and has a clean-out port with removable thumb screws.

								INCHES				
	Dimensions											
	Code	Α	В	C	D MIN.	D MAX.	E MIN.	E MAX.				
0	6FOB	5 7/8	6 3/8	2 1/8	15 5/8	20 5/8	6 3/8	10 5/8				
	8FOB	7 7/8	8 3/8	2 3/16	17 7/8	21 5/8	6 5/8	9 5/8				





Model RIS Technical Information

Certification

Model RIS is tested and listed by Intertek Testing Services to the following standard:

UL 103HT – The standard for chimneys on gas, liquid and solid fuel-fired appliances in the USA.

CAN/ULC-S604 – The standard for chimneys on gas and liquid fuel-fired appliances in Canada.

CAN/ULC-S610 – The standard for solid fuel Factory-Built Fireplaces in Canada.

Applications

RIS chimney is suitable for use on appliances that burn:

- Wood
- Oil
- Coal
- Natural or LP Gas
- Charcoal

Model RIS is certified to vent wood burning stoves, fireplaces and residential furnaces. In addition, there are a number of RIS components specifically designed and certified to vent large open masonry fireplaces burning wood and/or gas. There are also specific components designed to extend masonry chimneys and repair earthquake damaged masonry chimneys.

Note for customers in Canada: RIS chimney is not certified to the CAN/ULC-S629 standard but is certified to CAN/ ULC-S610 in combination with some solid fuel appliances (e.g. Renaissance Fireplaces). Only install RIS on wood fireplaces certified to CAN/ULC-S610 in combination with RIS or contact the appropriate authorities for approval, beforehand. ICC can provide complete engineering services (sizing, material selection, installation recommendations, drawings etc.) to assist you in obtaining approval. However, we can not guarantee that it will be accepted in all cases. If you have a large fireplace project you would like to quote on please be sure to contact us in advance so we can work with your local engineer, architect and building authority.

Allowable Flue Gas Temperatures

Max Continuous	540°C (1000°F)
Brief Forced Firing	760°C (1400°F)
Tested To	1150°C (2100°F)

Clearance to Combustible Materials

Model RIS is certified for 2" clearance to combustible materials.

Construction

Flue: .018" - .025", stainless steel. Casing*: .018" - .025", stainless steel or .018" - .025" galvalume steel. Seam: Interior and exterior seams are continuous seam welded. Insulation: Thermoplus continuous blanket. Wall thickness: 1"

See page 77 of this catalog for recommended chimney sizing for masonry fireplaces.

Note: There are some components of RIS chimney that are available in 10" and 12" diameter only. Some of these parts are designed for specific fireplaces which are not described in the catalog.

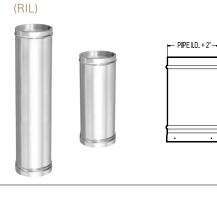
* See Lengths (RIL), for types of stainless steel by diameter.



Model RIS has been tested and listed to the UL 103HT chimney standards by INTERTEK.

Model RIS Product Descriptions

Lengths



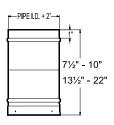
RIS is available in 12", 18", 24" and 48" lengths. Deduct 1 1/2" from overall length to determine the actual installed dimension.

Diameters 10" - 14" have a 430 stainless steel exterior like EXCEL.

Diameters 16" - 24" have either a galvalume or 304 stainless steel exterior.

Adjustable Lengths (RILA)



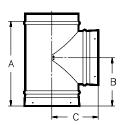


12", 18", 24", 48"

12" and 24" adjustable lengths are available. The 12" can be adjusted from 7 1/2 to 10". The 24" can be adjusted from 13 1/2 to 22". Deduct 1 1/2" from overall length to determine the actual installed length. *Note: Adjustable lengths must be installed above a fixed length or they will not work. They should not be installed immediately above a round or square support, tee or elbow.*

Insulated Tees (RIT)

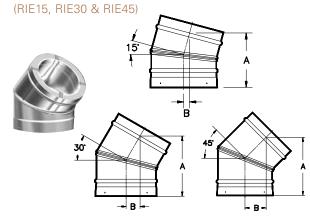




Designed to connect horizontal and vertical lengths of the chimney. Does not include a tee cap (RITC). INCHES

	Dimensions									
PIPE I.D.	Α	В	C							
10	16 3/4	9	9							
12	18 3/4	10	10							
14	20 3/4	11	11							
16	22 3/4	12	12							
18	24 3/4	13	13							
20	26 3/4	14	14							
22	28 3/4	15	15							
24	30 3/4	16	16							

Elbows

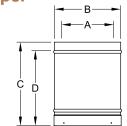


Used when a directional change is required. *Note:* 45° elbows are approved for use in Canada only. INCHES

Dimensions											
	15°		30°		45° CAN	ADA ONLY					
PIPE I.D.	Α	В	Α	В	Α	В					
10	6 7/8	3/4	8 1/2	1 7/8	9 3/8	2 3/4					
12	7 3/8	7/8	9	2	10	3 1/4					
14	7 7/8	7/8	9 1/2	2 1/8	10 3/4	3 3/4					
16	8 3/8	1	10	2 1/4	11 1/2	4 1/4					
18	8 7/8	1	10 1/2	2 1/2	12 1/4	4 5/8					
20	9 3/8	1 1/8	11	2 5/8	12 7/8	5 1/8					
22	9 7/8	1 1/8	11 1/2	2 3/4	13 1/2	5 5/8					
24	10 3/8	1 1/4	12	2 7/8	14 1/4	6					

Chimney Top Damper



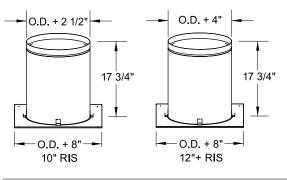


Currently available in 10" to 16" diameter only. Adding this "Top Damper" to a system seals it right at the top of the chimney. The "Chimney Top Damper" is placed directly below the cap and is designed to prevent any cold air infiltration into the house through the chimney. It functions on a chain that hangs down to the firebox and comes with 30" of SS cable.

				INCHES
		Dimensi	ons	
Code	Α	В	C	D
10RCTD	10	12	12	10 1/4
12RCTD	12	14	12	10 1/4

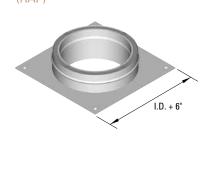
Radiation Shield (RRS)

Used when the chimney passes through a combustible floor or ceiling. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

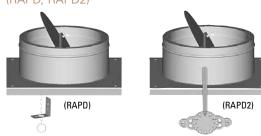


Anchor Plate

Is used to connect an appliance (such as a masonry fireplace or heater) to an RIS chimney.



Anchor Plate Damper (RAPD, RAPD2)



Combines the anchor plate with a heavy gauge stainless steel damper. The RAPD simplifies masonry fireplace construction, reduces installation cost and provides a superior seal. The RAPD comes with 6' stainless steel cable.

Rain Caps





(RRCW)

The RIS rain cap is constructed entirely of stainless steel. It is designed to provide good protection from wind and rain while being a small size and a low profile. An optional wind/rain shield is available in $10^{\circ} - 24^{\circ}$ diameter. An optional spark screen is available for installations where sparks can pose a safety problem.

Note: We do not recommend the use of untested, unlisted rain caps or shrouds. In some cases it is possible to create an unsafe installation simply by using an aftermarket shroud. If you choose to do so you must terminate the chimney with an ICC Rain Cap Base (RRCB). The RRCB closes off the top of the chimney to prevent moisture from entering the insulation.

	INCHES
ain Caps Dimensions	
	В
7	5
) 1/4	6
3 3/4	7
7 1/4	8
) 5/8	9
1	10
7 3/8	11
) 3/4	12
7 3 7 1	1/4 3/4 1/4 5/8 3/8

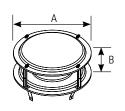
(RRC)

Spark Screen

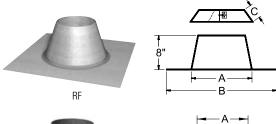
_	_							_												
-	-	\vdash	H	H		Н			Н	Н		Η	Н			Η	Н	H	Н	H
-	_		-		_		_	_			_	_		_	_	_				_
_	_																			L





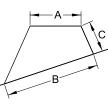


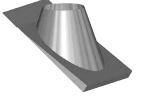
Roof Flashings

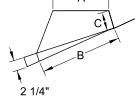


R

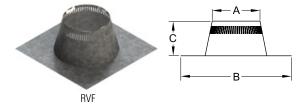
RFA, RFB

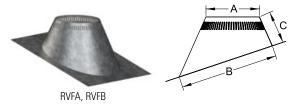






RMFA, RMFB, RMFC Metal Roof Flashing US Patent #7114301 Can Patent #2460044





Three models are available to accommodate various roof pitches. The storm collar (RSC) is included. (RMFA, RMFB, RMFC) These flashings are specifically designed for metal roofs and greatly simplify metal roof installations. They are made from galvalume steel only. (RSSF, RSSFA, RSSFB) Stainless steel flashings are available in 10" and 12" diameters. Dimensions are the same as standard flashings.

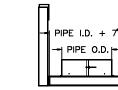
(RF, RFA & RFB) Used to provide weather protection where the chimney penetrates the roof.

Pitch	Flue I.D.	Code	Base W x L	A	В	C
	10"	10RF/10RSSF	26 x 26	12 1/2	16 3/4	8
	12"	12RF/12RSSF	28 x 28	14 1/2	18 3/4	8
	14"	14RF	30 x 30	16 1/2	20 3/4	8
	16"	16RF	32 x 32	18 1/2	22 3/4	8
Flat - 2/12	18"	18RF	34 x 34	20 1/2	24 3/4	8
	20"	20RF	36 x 36	22 1/2	26 3/4	8
	22"	22RF	38 x 38	24 1/2	28 3/4	8
	24"	24RF	40 x 40	26 1/2	30 3/4	8
	10"	10RFA/10RSSFA	31 x 31	12 1/2	20 3/4	11
	12"	12RFA/12RSSFA	34 x 36	14 1/2	26 11/16	8 3/4
	14"	14RFA	36 x 36	16 1/2	25 3/16	11
1/10 7/10	16"	16RFA	38 x 38	18 1/2	27 1/2	11
1/12 - 7/12	18"	18RFA	41 x 41	20 1/2	29 3/4	11
	20"	20RFA	43 x 43	22 1/2	32 1/16	11
	22"	22RFA	45 x 45	24 1/2	34 5/16	11
	24"	24RFA	47 x 47	26 1/2	36 5/8	11
	10"	10RFB/10RSSFB	29 x 35	12 1/2	18 1/2	11
	12"	12RFB/12RSSFB	34 x 40	14 1/2	31 1/2	8 5/16
	14"	14RFB	34 x 42	16 1/2	23 1/16	11
0/10 10/10	16"	16RFB	36 x 44	18 1/2	25 3/8	11
8/12 - 12/12	18"	18RFB	38 x 48	20 1/2	27 3/4	11
	20"	20RFB	41 x 50	22 1/2	29 15/16	11
	22"	22RFB	43 x 54	24 1/2	32 3/16	11
	24"	24RFB	45 x 56	26 1/2	34 1/2	11

(RMF) Metal Roof Flashing Dimensions (comes with RSC storm collar)						
Pitch	Flue I.D.	Code	Base W x L	Α	В	C
2/12 7/12	10"	10RMFA	25 1/2* x 25 3/4	12 1/4	17 13/16	4
3/12 - 7/12	12"	12RMFA	34 x 35 1/2*	14 1/4	26 13/16	4
0/10 10/10	10"	10RMFB	29 1/16* x 29 15/16	12 1/4	22 31/32	4
8/12 - 12/12	12"	12RMFB	34 1/4 x 38 7/8*	14 1/4	31 9/16	4
10/10 01/10	10"	10RMFC	27 1/2 x 42 3/4*	12 1/4	30 3/4	7 7/8
12/12 - 21/12	12"	12RMFC	27 1/2 x 46 1/2*	14 1/4	38	7 3/4
* indicates the direction which 4 1/2" of metal flashing slides under the metal roof sheeting						
(RVF) Ve	nted Fla	shing Dimen	sions (comes wit	th RVSC	storm co	ollar)
D'/ 1	Flue			•		•

Pitch	I.D.	Code	Base W x L	Α	В	C
Flat - 2/12	10"	10RVF	28 x 28	13 1/4	18 1/4	10 1/2
Fidt - 2/12	12"	12RVF	30 x 30	15 1/4	20 1/4	10 1/2
1/10 7/10	10"	10RVFA	32 x 34	13 1/4	23 3/16	8 7/8
1/12 - 7/12	12"	12RVFA	34 x 36	15 1/4	27 7/8	9 1/16
8/12 - 12/12	10"	10RVFB	32 x 40	13 1/4	28 11/16	6
0/12 - 12/12	12"	12RVFB	34 x 42	15 1/4	31 15/16	6

Designed to support a vertical chimney on a wall. There are two styles of wall support, one for 10" & 12" diameter RIS and one for all other diameters.



RWS for 10" & 12" diameters

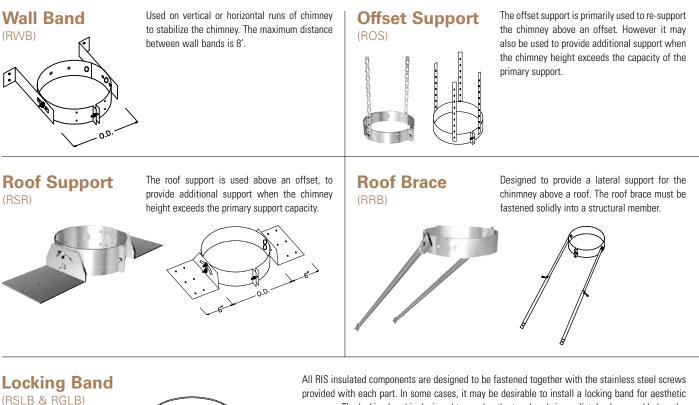
Wall Support

(RWS)

RWS for all other sizes

NEW

Model RIS







All RIS insulated components are designed to be fastened together with the stainless steel screws provided with each part. In some cases, it may be desirable to install a locking band for aesthetic purposes. The locking band is designed to overlap the two beads immediately above and below the chimney joint and fastens with a 1/4" bolt. All screws are required even when the locking band is installed. Available in stainless steel and galvalume.

Components for Renaissance Fireplaces

RENAISSANCE

Roof Top Shield

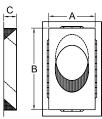


The Roof Top Shield is required for Renaissance Fireplace installations. Designed to protect combustible roofs where the chimney passes through, it has adjustable mounting brackets that raise or lower the shield depending on the roof pitch. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

		INCHES				
	Dimensions					
Ø	Α					
10"	13 5/16					
12"	16 1/2					

Insulated Angled Wall Radiation Shields (RWRSI30 & RWRSI45)





The insulated angled wall radiation shield is used when the chimney goes through a combustible exterior wall, with a 30° or 45° angle. A radiation shield is installed on the exterior side of the wall to complete the installation. This part is used for fireplace installations only. *Note:* 45° *are approved for use in Canada only.*

						INCHES
Required Opening Dimensions						
Angle	30)°	45	j°		
ø	Α	В	Α	В	C	
10"	15 5/8	46 3/8	15 5/8	31 1/2	4"	
12"	16 5/8	51 13/32	16 5/8	33 7/8	6"	

Components for Renaissance Fireplaces

Flexible

Radiation

(12RRSF) *

Shield Tube

Rumford 1500 12" Radiation Shield (12RRS2)

ENAISSANC

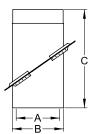
This radiation shield is specific to the Renaissance Rumford 1500 fireplace. A Regular Radiation Shield (RRS) is not certified for installation with the Renaissance Rumford 1500, but is certified on the Renaissance Rumford 1000. A radiation shield MUST be installed for each floor the chimney passes through. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.



chimney clearance. Always maintain 2' to chimney through radiation shields.

Cathedral Ceiling Radiation Shields



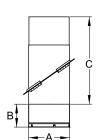


Designed to simplify installations through cathedral ceilings, our RIS Cathedral Ceiling Radiation Shields are fireplace certified specifically for Renaissance units. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

				INCHES		
Dimensions						
Code	Α	В	C MIN.	B MAX.		
10RM-RRSC	12 3/8	14 1/2	24	36		
12RM-RRSC	14 3/8	16 1/2	24	36		

Attic Cathedral Ceiling Radiation Shield (RM-12RRSCA)

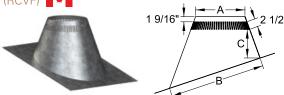




For Canada only - specific to the Rumford 1500. Similar to the Attic Radiation Shield for Cathedral Ceiling (ERSCA). Only, this component is designed for Renaissance Rumford 1500 installations where insulated chimney passes through a cathedral ceiling. The RRSCA has a flange at its base to connect a Radiation Shield Tube. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.

				11	испер
		Dimensi	ons		
Code	Α	В	C MIN.	B MAX.	
12RM-RRSCA	16 1/2	9 1/4	24	36	

Canadian vented flashing for Rumford 1500 Fireplace



For Canada only. Includes a storm collar (RVSC).

						INCHES
(RC\	/F) Canad	ian Vente	d Flashing f	or Rumfo	rd 1500 Fir	eplace
Pitch	Flue I.D.	Code	Base W x L	Α	В	C
Flat-2/12	12	RCVF	35 x 35	15 1/4	18	11 3/16
1/12-7/12	12	RCVFA	37 x 39	15 1/4	27 5/8	8 13/16
8/12-12/12	12	RCVFB	34 x 42	15 1/4	32 1/4	6

For Canada only. A flexible radiation shield tube (RM-12RRSF) must be installed around the chimney when it is enclosed in Rumford 1500 installations. This includes an outside chase. In the fireplace enclosure the flexible radiation shield tube is not required. Radiation Shields do NOT reduce chimney clearance. Always maintain 2" clearance to chimney through radiation shields.



INCHES

Model RIS Offset Tables

	RIS Off	set Table	e 10 to 1	l6 inche	S	
LENGTH BETWEEN	2 X	(15°	2)	(30°	2)	(45°
ELBOWS	RISE	OFFSET	RISE	OFFSET	RISE	OFFSET
10 INCH Ø						
NO LENGTH	11 7/8	1 5/8	14 1/8	3 3/4	15 7/8	6 5/8
12" Length	22 1/4	4 3/8	23 3/8	9 1/8	23 1/2	14 1/8
24" Length	33 7/8	7 1/2	33 3/4	15 1/8	32	22 5/8
48" Length	57	13 5/8	54 5/8	27 1/8	48 7/8	39 5/8
48" + 12"	67 3/8	16 1/2	63 7/8	32 1/2	56 1/2	47 1/4
48" + 24"	79	19 1/2	74 1/4	38 1/2	65	55 3/4
48"+24"+12"	89 3/8	22 3/8	83 5/8	43 7/8	72 5/8	63 3/8
48" + 48"	102 1/4	25 3/4	95	50 1/2	82	72 3/4
12 INCH Ø						
NO LENGTH	11 7/8	1 5/8	15	4	17 1/8	7 1/8
12" Length	22 1/4	4 3/8	24 3/8	9 3/8	24 3/4	14 3/4
24" Length	33 7/8	7 1/2	34 3/4	15 3/8	33 1/4	23 1/4
48" Length	57	13 5/8	55 1/2	27 3/8	50 1/4	40 1/8
48" + 12"	67 3/8	16 1/2	64 7/8	32 3/4	57 7/8	47 3/4
48" + 24"	79	19 1/2	75 1/4	38 3/4	66 1/4	56 1/4
48"+24"+12"	89 3/8	22 3/8	84 1/2	44 1/8	73 7/8	63 7/8
48" + 48"	102 1/4	25 3/4	96	50 3/4	83 1/4	73 1/4
14 INCH Ø						
NO LENGTH	12 7/8	1 3/4	16	4 1/4	18 7/8	7 3/4
12" Length	23 1/4	4 1/2	25 1/4	9 5/8	26 1/2	15 3/8
24" Length	34 7/8	7 5/8	35 5/8	15 5/8	35	23 7/8
48" Length	58	13 3/4	56 1/2	27 5/8	51 7/8	40 7/8
48" + 12"	68 3/8	16 5/8	65 3/4	33	59 1/2	48 1/2
48" + 24"	80	19 5/8	76 1/8	39	68	57
48"+24"+12"	90 3/8	22 1/2	85 1/2	44 3/8	75 5/8	64 1/2
48" + 48"	103 1/8	25 7/8	96 5/8	51	85	73 7/8
16 INCH Ø						
NO LENGTH	12 7/8	1 3/4	16 7/8	4 1/2	20 1/8	8 3/8
12" Length	23 1/4	4 1/2	26 1/4	9 7/8	27 3/4	16
24" Length	34 7/8	7 5/8	36 5/8	15 7/8	36 1/4	24 3/8
48" Length	58	13 3/4	57 3/8	27 7/8	53 1/4	41 3/8
48" + 12"	68 3/8	16 5/8	66 5/8	33 1/4	60 3/4	49
48" + 24"	80	19 5/8	77 1/8	39 1/4	69 1/4	57 1/2
48"+24"+12"	90 3/8	22 1/2	86 3/8	44 5/8	76 7/8	65 1/8
48" + 48"	103 1/8	25 7/8	97 7/8	51 1/4	86 1/4	74 1/2
						in inches

	mor	OTTOLT	mol	UTUET	mor	OTTOLT
18 INCH Ø						
NO LENGTH	13 7/8	1 7/8	17 7/8	4 3/4	21 3/8	8 7/8
12" Length	24 1/4	4 5/8	27 1/8	10 1/8	29	16 1/2
24" Length	35 7/8	7 3/4	37 1/2	16 1/8	37 1/2	25
48" Length	59	13 7/8	58 1/4	28 1/8	54 1/8	41 7/8
48" + 12"	69 3/8	16 3/4	67 5/8	33 1/2	62 1/8	49 1/2
48" + 24"	81	19 3/4	78	39 1/2	70 5/8	58
48"+24"+12"	91 3/8	22 5/8	87 3/8	44 7/8	78 1/8	65 5/8
48" + 48"	104 1/8	26	98 3/4	51 1/2	87 1/2	75
20 INCH Ø						
NO LENGTH	13 7/8	1 7/8	19 1/4	5 1/8	23 1/8	9 5/8
12" Length	24 1/4	4 5/8	28 1/2	10 1/2	30 3/4	17 1/8
24" Length	35 7/8	7 3/4	38 7/8	16 1/2	39 1/8	25 5/8
48" Length	59	13 7/8	59 3/4	28 1/2	56 1/4	42 5/8
48" + 12"	69 3/8	16 3/4	69	33 7/8	63 3/4	50 1/4
48" + 24"	81	19 3/4	79 3/8	39 7/8	72 1/4	58 3/4
48"+24"+12"	91 3/8	22 5/8	88 3/4	45 1/4	79 7/8	66 3/8
48" + 48"	104 1/8	26	100 1/8	51 7/8	89 1/4	75 3/4
22 INCH Ø						
NO LENGTH	14 7/8	2	20 1/8	5 3/8	24	9 7/8
12" Length	25 1/4	4 3/4	29 1/2	10 3/4	31 5/8	17 1/2
24" Length	36 7/8	7 7/8	39 7/8	16 3/4	40 1/8	26
48" Length	60	14	60 5/8	28 3/4	57	43
48" + 12"	70 3/8	16 7/8	70	34 1/8	64 5/8	50 5/8
48" + 24"	82	20	80 3/8	40 1/8	73 1/8	59 1/8
48"+24"+12"	92 3/8	22 3/4	89 5/8	45 1/2	80 3/4	66 5/8
48" + 48"	105 1/8	26 1/8	101 1/8	52 1/8	90 1/8	76
24 INCH Ø						
NO LENGTH	14 7/8	2	21 1/8	5 5/8	25 3/4	10 5/8
12" Length	25 1/4	4 3/4	30 3/8	11	33 1/4	18 1/4
24" Length	36 7/8	7 7/8	40 3/4	17	41 3/4	26 3/4
48" Length	60	14	61 5/8	29	58 3/4	43 3/4
48" + 12"	70 3/8	16 7/8	70 7/8	34 3/8	66 3/8	51 1/4
48" + 24"	82	20	81 1/4	40 3/8	74 7/8	59 3/4
48"+24"+12"	92 3/8	22 3/4	90 5/8	45 3/4	82 1/2	67 3/8

RIS Offset Table 18 to 24 inches

OFFSET RISE

2 X 30°

OFFSET RISE

2 X 45°

OFFSET

2 X 15°

RISE

LENGTH

BETWEEN ELBOWS

48" + 48"

105 1/8 26 1/8

102

All measurements are in inches

All measurements are in inches

52 3/8

91 3/4 76 3/4

EXCELPellet

PELLET AND BIOFUEL VENTING SYSTEM



EXCELPellet Technical Information

Certification

EXCELPellet has been tested and listed to UL 641 and ULC S609 by Intertek Testing Services.

Applications

EXCELPellet is certified as a chimney liner for use on appliances that burn:

- Wood
- Agricultural products
- Natural or LP Gas

Allowable Flue Gas Temperatures

Max Continuous Tested To

us 300°C (572°F) 927°C (1700 °F)

Clearance to Combustible Materials

EXCELPellet is certified for 1" clearance to combustible materials.

Construction

Flue: .016" laser welded stainless steel. Casing: .019" laser welded Galvalume steel or .019" laser welded satin coat steel (painted) Paint: Forrest "Stove Bright" *flat black*. Insulation: 3/8" Air Space Gasket: Silicone Rubber

EXCELPellet Engineering and Design Considerations

We suggest that your pellet system be designed with a vertical rise. This is not a requirement but will help the stove to vent combustion products in the case of a power failure.

Keeping the horizontal run and number of elbows to a minimum will reduce the cost of your installation and improve performance.

Although not required we recommend that terminations be installed 12" away from the wall to reduce the potential for smoke stain on outside walls. Refer to your stove manual for exact dimensions.

Do not install a vent smaller in diameter than the flue outlet on the stove.

EXCELPellet must be installed according to the installation instructions (available from your dealer upon purchase of support or on our web site). EXCELPellet is manufactured using specialized machinery which makes it possible to maintain strict tolerances between components. This precision permits the use of a factory installed silicone gasket and eliminates the need for field application of silicone.

This unique factory installed silicone rubber gasket solves two major pellet venting problems:

- The gasket seals perfectly so there is no need for sealant application in the field. This speeds up installation, simplifies clean up, facilitates painting and eliminates callbacks.
- Not only do all parts assemble easily, they can be disassembled and reassembled just as easily making routine maintenance much easier.

EXCELPellet has a smooth attractive Black painted or Galvalume steel exterior. Galvalume is corrosion resistant and requires very little preparation for painting.

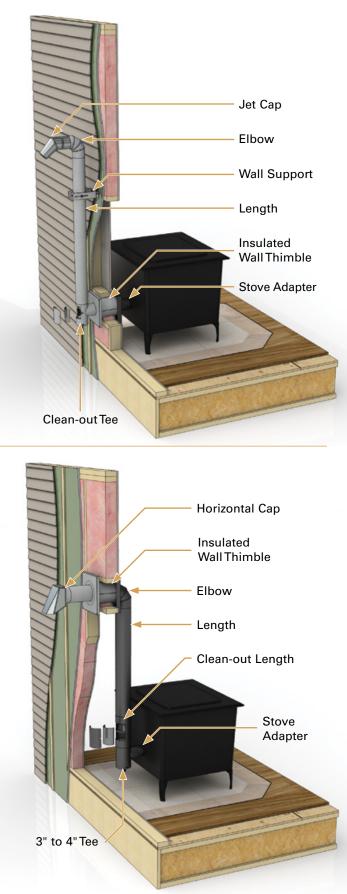


EXCELPellet Typical Installations

NOTE: The following information are not to be used as installation instructions. Please refer to the detailed EXCELPellet installation instructions for complete details on your specific application.

	All mea	asurements are in inches						
Inside Diameter	3 Inch	4 Inch						
Outside Diameter	3 3/4"	4 3/4"						
Weight/Foot (lb/ft.)	1.3	1.6						
Rough	Rough Opening Required:							
Supports (PSA, PSF)	5 3/4" x 5 3/4"	6 3/4" x 6 3/4"						
Supports (PSS)	6 3/4" x 6 3/4"	6 3/4" x 6 3/4"						
Wall Thimble (PWT)	6 1/2" x 6 1/2" or 6 1/2" round	7 1/2" x 7 1/2" or 7 1/2" round						
Masonry Chimney Adapter (PAM)	6" to 8" dia.	6" to 8" dia.						
Maximum Support capacity								
Ceiling Supports (PSA, PSF)	30 feet	25 feet						
Ceiling Support (PSS)	37 feet	30 feet						
Wall Support (PSW)	21 feet	17 feet						

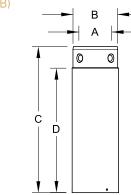




EXCELPellet Product Descriptions

Lengths

(PL5, PL5B, PLA6, PLA6B, PL16, PL16B, PLA16, PLA16B, PLA16, PLA16B, PL1, PL1B, PL2, PL2B, PL3, PL3B, PL4, PL4B)



48", 36", 24", 16", 12", 5" & 6", 16" slip lengths, all lengths are available in Galvalume or Black exterior. Slip sections slide over standard length pellet vent.

			0 1			
						INCHES
		Lengt	th Dimens	sions		
	3"	4"				
А	3	4				
В	3 3/4	4 3/4				
Lengths	5"	12"	16"	24"	36"	48"
С	4 7/8	11 7/8	15 7/8	23 7/8	35 7/8	47 7/8
D	3 1/8	10 1/8	14 1/8	22 1/8	34 1/8	46 1/8
		6" & 16" Slip	o Length D)imensions		
	3"		4"			
А	2 7/8		3	7/8		
В	3 7/8		4	7/8		
Lengths	6"	16"	6"		16"	
С	7 3/4	15 3/4	7 :	3/4	15 3/4	
D	6	14	6		14	

Clean-Out Length

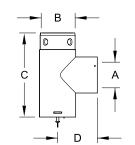
(PCOL)

 The removable casing allows access to the inside of the flue for easy cleaning. The Clean-Out length can be in any location as a substitute for a standard length.

			INCHES			
Clean-Out Length Dimensions						
	3"	4"				
A	3 1/16	4 1/16				
В	3 5/8	4 5/8				
С	11 7/8	11 7/8				
D	10 1/8	10 1/8				
E	4 3/16	4 1/8				
F	3 3/16	2 1/2				

Tees (PT, PTB, 3PT4, 3PT4B)



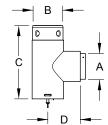


The tee cap incorporates a silicone gasket making it easy to remove for cleaning. All tees are available in Galvalume or Black exterior. Short snout places vent closer to stove. Tee cap included.

				INCHES	
	Tee Dimensions				
	3"	4"	3" to 4"		
А	3	4	3		
В	3 3/4	4 3/4	4 3/4		
С	8 3/4	9 3/4	8 3/4		
D	4 1/8	4 5/8	4 5/8		

Stove Adapter Tee (3PAT3, 3PAT3B, 3PAT4, 3PAT4B)



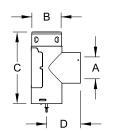


Stove Adapter Tees can be installed directly to the stove without the need for a stove adapter. Tee cap included.

			INCHES		
	Stove Adapter Tee Dimensions				
	3"	3" to 4"			
А	3	3			
В	3 3/4	4 3/4			
С	8 3/4	8 3/4			
D	3 7/8	4 3/8			
E	5/8	5/8			

Clean-Out Tee

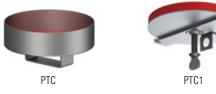




Allows easy access to the horizontal run of a system for cleaning. Tee cap included.

			INCHES
	Clean Out Tee D	imensions	
	3"	4"	
А	3	4	
В	3 3/4	4 3/4	
С	8 3/4	9 3/4	
D	4 1/8	4 5/8	

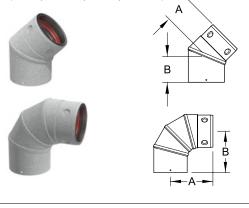
Tee Cap (PTC, PTC1)



If a replacement tee cap is required. Two versions of the tee cap exist depending on the style of your tee. The PTC is held in place with screws, the PTC1 is held with a bolt at the bottom of the cap.

Elbows

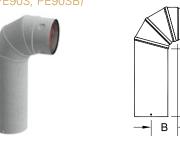
(PE45, PE45B, PE90, PE90B)



Small radius elbows make installations in tight spaces easier. 45° and 90° available, all elbows are available in Galvalume or Black exterior.

			INCHES
Dimensions			
	А	В	
3PE45	2 7/8	2 7/8	
4PE45	3	3	
3PE90	4 11/16	4 11/16	
4PE90	5 1/4	5 1/4	

Slip Elbow (PE90S, PE90SB)

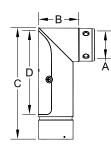


The vertical portion of the slip elbow slides over a standard pellet length just like a slip section. This eliminates the need for a separate slip piece.

				INCHES
		Dimensions		
Code	A max.	A min.	В	
3PE90S	10 3/4	2 7/8	3	
4PE90S	11 1/4	3 3/8	3 1/2	

Clean-Out Elbow (PCOE)





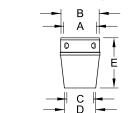
A_{MIN}

 A_{MAX}

The removable casing allows access to the inside of the flue for easy cleaning. Typically used for "up and out" installations.

			INCHES		
	Dimensions				
	3"	4"			
А	3	4			
В	4 1/2	5 1/2			
С	12 3/8	13 3/8			
D	9 3/8	9 7/8			

3" - 4" Tapered Increaser (3PIT4, 3PIT4B)



Insulated Wall Thimble (PWT)

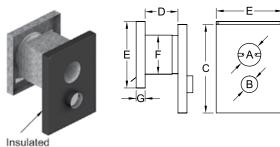
Used for increasing the diameter from 3" to 4" at any point in the system.

		INCHES
	Dimensions	
A	4	
В	4 3/4	
С	3	
D	3 5/8	
E	6	

Telescopes to accommodate wall thicknesses from 5" to 10". It is fully insulated to maintain insulation integrity and fits tightly to prevent heat loss. The 3" requires a 6 1/2" X 6 1/2" framed opening; the 4" requires a 7 1/2" X 7 1/2" framed opening. A template for EXCELPellet wall thimbles can be purchased to simplify installation (PTMP).

-				INCHES
		Dimensions		
,		3"	4"	
5	A	3 7/8	4 7/8	
	В	9 1/4	10 1/4	
_	С	6 3/8	7 3/8	
	D	min. 5 - max. 10		
	E	1 1/2	1 1/2	

Wall Thimble with Integrated Outside Air (PVVTOI)

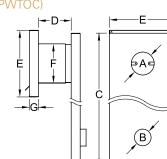


Simplifies a fresh air connection by integrating it into the same conduit as the wall thimble. This component is fully insulated through the wall and on the inside wall to prevent cold air or condensation in the home. Includes 10' of aluminum flex and 3' flex insulation.

		INCHES			
	Dimensions				
	3"	4"			
A	3 7/8	4 7/8			
В	2 7/8	2 7/8			
С	15	16			
D	min. 6 1/2 - max. 11 1/2				
E	11 1/4	12 1/4			
F	6 5/8	7 5/8			
G	1 1/2	1 1/2			

Wall Thimble with Outside Air Channel (PWTOC)



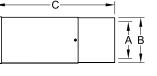


Functions similarly to the PWTOI, but designed for "up and out" installations (e.g. basement). The outside air channel is adjustable for height and can be painted any color to match the décor. Includes 10' of aluminum flex and 3' flex insulation.

			INCHES		
	Dimensions				
	3"	4"			
A	3 7/8	4 7/8			
В	2 7/8	2 7/8			
С	Adj. 44 – 68	Adj. 45 – 68			
D	min. 6 1/2 - r	max. 11 1/2			
E	11 1/4	12 1/4			
F	6 5/8	7 5/8			
G	1 1/2	1 1/2			

Wall Thimble Extension (PWTE)



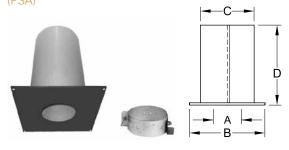


UL Listed Wall Thimble insulated extensions. They install easily and will allow wall thimbles to fit walls up to 20 $3/4^*$ thick.

INICUES

			INCHES
	Dimensio	ins	
	3"	4"	
A	4 1/8	5 1/4	
В	6 1/4	7 1/4	
С	5 3/4 to 15		

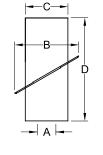
Ceiling Support/Radiation Shield



Rated to support up to 30' (3") or 25' (4") of venting where it passes through a floor or ceiling. It telescopes from 12" to 23" to keep insulation and debris away from the vent.

			INCHES
	Dimensio	ons	
	3"	4"	
А	3 7/8	4 7/8	
В	9 1/4	9 1/4	
С	5 3/4	6 3/4	
D	min. 12 ·	max. 23	

Square Support/Radiation Shield



Rated to support up to 37' (3") or 30' (4") of venting where it passes through an insulated or un-insulated ceiling. It is particularly suitable for cathedral and drop ceilings.

			INCHES
	Dimensio	ons	
	3"	4"	
A	3 7/8	4 7/8	
В	10 3/4	10 3/4	
С	6 5/8	6 5/8	
D	16	16	

Adjustable Wall Support (PSW)



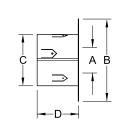
Rated to support up to 21' (3") or 17' (4") of venting. Fits 3" and 4" diameters. It adjusts easily to provide from 1" to 5" of clearance to the wall.

			INCHES
	Dimensio	ons	
	3"	4"	
А	3 3/4	4 3/4	
В	7 1/2	7 1/2	
С	4 1/4	4 1/4	
D	2 3/4	2 3/4	

Masonry Adapter



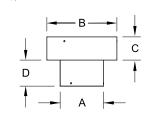




Provides a tight, positive transition to a masonry chimney. Fits existing masonry thimbles up to 8" in diameter.

			INCHES
	Dimensio	ns	
	3"	4"	
А	3 15/16	4 15/16	
В	9 1/2	9 1/2	
С	5 7/8	5 7/8	
D	3 3/4	3 3/4	

Type A Chimney Adapter (PAA5, PAA6, PAA7, PAA8)



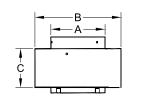
Provides a positive seal connection between EXCELPellet and class A chimneys. Connects 3" or	4"
pellet vent to 6", 7' or 8" class A.	
INICLI	EQ

			INCHES
	Dimens	ions	
	3"	4"	
А	3 3/4	4 3/4	
В	5, 6, 5	7 or 8	
С	2	2	
D	2 1/4	2 1/4	

Type A Chimney

Reline Adapter (PAX6, PAX7, PAX8)





Permits re-lining of an existing pre-fab chimney with EXCELPellet or an approved flexible liner. Available to fit 6", 7" or 8" chimneys with 3" or 4" venting. Use the universal Chimney Adapter Cap (PCA) at the top.

			INCHES
	Dimens	sions	
	3"	4"	
A	3 7/8	4 7/8	
В	E	6, 7 or 8	
С	2 3/4	2 3/4	

Chimney Adapter Cap (PCA)



This cap will fit any brand of class A chimney up to an 8" I.D. It connects to EXCELPellet or a flexible liner used to re-line the existing chimney. Available in 3" or 4".

		INCHES
	Dimensions	
	3"	4"
A	3 3/4	4 3/4
В	13 1/2	13 1/2
С	5	5

Female Flex Adapter

(PAF, 3PAF4, PAF5, PAF55, PAF6)

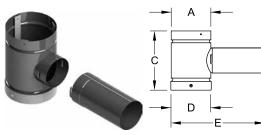


Connects ExcelPellet vent from an appliance to flexible liner coming from masonry flue.

				I	NCHES
		Dimensio	ns		
Code	A	В	C	D	
3PAF	3	3 3/4	5	3 5/8	
3PAF4	3	3 3/4	2 3/4	4 5/8	
3PAF5	3	3 3/4	3 1/2	5 1/2	
3PAF55	3	3 3/4	3 1/2	6	
3PAF6	3	3 3/4	3 1/2	6 1/2	
4PAF	4	4 3/4	5	4 5/8	
4PAF5	4	4 3/4	3 1/2	5 1/2	
4PAF55	4	4 3/4	3 1/2	6	
4PAF6	4	4 3/4	3 1/2	6 1/2	

Flex Adapter Tee

(3PATF4, 4PATF4)

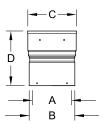


For pellet stove installations that are vented into a masonry chimney. Connects EXCELPellet to a 4" flexible liner and has a removable twist mouth that is available in 3" or 4". Use in combination with the Masonry Adapter (PAM).

		INCHES
	Dimensions	
	3"	4"
A	4 9/16	4 9/16
В	2 7/8	3 7/8
С	6 3/4	7 3/4
D	4 5/8	4 5/8
E	10 3/4	10 3/4

Pellet / Liner 5" Adapter (PAL5)





В

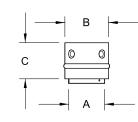
Provides a sealed connection where a rigid liner is installed above an EXCELPellet system.

		INCH	ES
	Dimensions		
	3"	4"	
A	3	4	
В	3 3/4	4 3/4	
С	5	5	
D	4 1/4	5 5/8	

Universal Stove Adapter

(PAS, PASB)



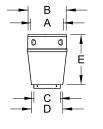


Universal adapter fits both large OD flue collars (e.g.: Harman) and small OD flue collars. The stove adapter fastens permanently to the stove but can be easily disconnected from the rest of the vent to simplify cleaning. Available in Galvalume or Black exterior.

			INCHES
	Dimensi	ons	
	3"	4"	
А	3	4	
В	3 5/8	4 5/8	
С	3 3/8	8	

Tapered Stove Adapter (3PI4, 3PI4B)



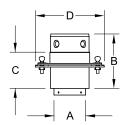


A 4 B 4 3/4 C 3 D 3 5/8 E 6

Universal Stove adapter that increases diameter from 3" to 4".

Quick Disconnect Stove Adapter (PAQ)



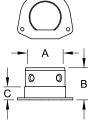


Makes cleaning and servicing pellet stoves dramatically easier. This stove adapter comes apart at the center by undoing two thumb screws. With the PAQ installed, there is no need to take lengths apart for cleaning.

			INCHES
	Dimensio	ons	
	3"	4"	
A	3	4	
В	5 3/8	5 3/8	
С	3 5/8	3 5/8	
D	4 3/4	5 3/4	

Harman Stove Adapter (PASH, PASH6)





Bolts directly to Harman stoves and does not require silicone. Available in two lengths to accommodate stoves with extended hoppers. Includes a Harman Style Gasket (HG).

		INCHES
Dimensio	ns	
PASH	PASH6	
3	3	
2 7/8	6 3/8	
1 1/8	4 5/8	
	PASH 3 2 7/8	3 3 2 7/8 6 3/8

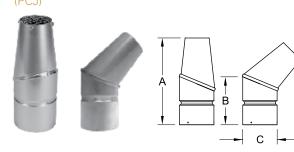
Harman Style Gaskets



Replacement gaskets for the Harman Stove Adapter, comes in packs of 5.

INCHES

Adjustable Jet Cap

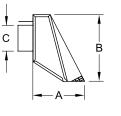


Can be rotated to direct hot flue gasses away from bushes or other things in proximity to the exhaust.

			плопез
Dimensions			
	3"	4"	
А	9 3/8	9 3/4	
В	5 1/2	5 7/8	
С	3 3/4	4 3/4	

Horizontal Cap



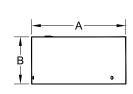


Directs and accelerates flue gasses away from the house reducing the possibility of "moustache effect" from smoke accumulation.

			INCHES
	Dimensi	ons	
	3"	4"	
А	5	6	
В	6 1/4	8	
С	3	4	

Spark Screen





A stainless steel spark screen that fits any standard length or elbow to be used as a termination. Also fits Economy Cap (PCE).

			INCHES
	Dimensi	ons	
	3"	4"	
А	3 3/4	4 3/4	
В	1 7/8	1 7/8	

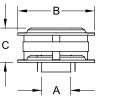
Vertical Rain Cap (PCR) Rain/Wind Shield (PRCW)

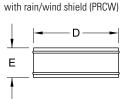


Vertical rain cap (PCR)



Vertical rain cap (PCR) with rain/wind shield (PBC





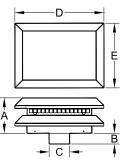
Constructed entirely of stainless steel and designed to provide good protection from wind and rain. An optional Wind/Rain Shield (PRCW) is available for added protection in harsh weather.

			INCHES
	Dimensi	ions	
	3"	4"	
A	3	4	
В	8	9	
С	3 7/8	3 7/8	
D	11	11	
E	3 7/8	3 7/8	



An optional stainless steel spark screen is available for installations where sparks can pose a safety problem





А В

С

D

Ε

Certified for pellet appliances in a masonry chimney. Requires a flashing (CTF, or CTFC). The optional Wind / Rain Shield (CTS) can improve performance in extreme wind conditions. Cap can be reduced to 3 1/2" high to fit under slate or stone topped chimneys.

6 1/2

2 3/4

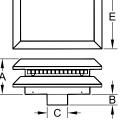
3 3/4

16 1/2

12

INCHES

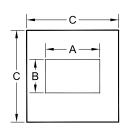




Made of galvalume, this flat flashing base is easy to cut, bend, or simply silicone to the top of a

Universal **Flashing for Traditional Cap** (CTF)

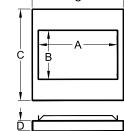




masonry chimney.

Ì			INCHES
		Dimensions	
	A	11 3/4	
	В	7 1/4	
	С	20	





Made of galvalume and designed to fit onto a clay tile flue. Optional Hose Clamp Bracket (HC) can be used or it can be secured in the method of your choice. INCHES

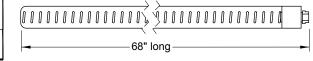
		INGRES
		Dimensions
А	11 3,	/4
В	7 1/4	1
С	13 3,	/4
D	1 1/2	2

Hose Clamp Bracket (HC)



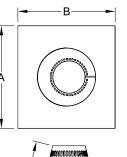


Heavy duty hose clamp and two mounting brackets for the Clay Tile Flashings (MFC and CTFC).



Flashings (PF, PFA, PFB)



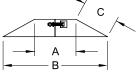


					INCHES
Flashing Dimensions					
Pitch	Code	Flue I.D.	A x B	C	Storm Collar
Elet 0/10	3PF	3	15 7/8 x 15 7/8	8 1/16	PM- ØPSC
Flat - 2/12	4PF	4	15 7/8 x 15 7/8	8 1/16	PM- ØPSC
1/10 7/10	3PFA	3	18 x 15 15/16	9 3/4	PM- ØPSC
1/12 - 7/12	4PFA	4	18 x 15 15/16	10	PM- ØPSC
0/12 12/12	3PFB	3	22 1/2 x 18	14 1/4	PM- ØPSC
8/12-12/12	4PFB	4	24 x 18	15 5/16	PM- ØPSC

A storm collar is included with purchase of a flashing

Storm Collars

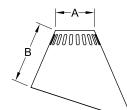




			INCHES
	Dimensio	ns	
	3"	4"	
A	3 3/4	4 3/4	
В	9 7/16	10 7/16	
С	4	4	

Metal Roof Flashing Adapter (MFA, MFB)





This flashing cone fits onto a 6" EXCEL Metal Roof Flashing (6EMFA or 6EMFB, page 14) to convert it for use with EXCELPellet vent or EXCELDirect. **Metal Roof Flashing and storm collar ordered separately.**

				INCHE	S
		Dimensio	ons		
Code	3MFA	3MFB	4MFA	4MFB	
А	4	4	5	5	
В	9 1/2	11 1/8	8	9 1/2	

EXCELPellet Offset Tables

Use this table if you are not installing an adjustable length between the elbows

		45° Elbows
LENGTH BETWEEN OFFSETS	RISE	OFFSET
3 INCH Ø		
NO LENGTH	7	2 3/4
6" Length	9 3/4	5 3/4
12" Length	14	10
24" Length	23 1/4	19 1/4
36" Length	31	27
48" Length	39 1/2	35 1/2
48" + 6" Length	42 1/2	38 1/2
48" + 12" Length	46 3/4	42 3/4
48" + 24" Length	55 3/4	51 3/4
48" + 36" Length	63 3/4	59 1/2
48" + 48" Length	72	68
48" + 48" + 12" Length	79 1/4	75 1/4
48" + 48" + 24" Length	88 1/2	84 1/2
4 INCH Ø		
NO LENGTH	7 1/4	3
6" Length	10	6
12" Length	14 1/4	10 1/4
24" Length	23 1/2	19 1/4
36" Length	31 1/4	27
48" Length	39 3/4	35 1/2
48" + 6" Length	42 3/4	38 1/2
48" + 12" Length	47	42 3/4
48" + 24" Length	56 1/4	52
48" + 36" Length	64	59 3/4
48" + 48" Length	72 1/2	68 1/4
48" + 48" + 12" Length	79 1/2	75 1/4
48" + 48" + 24" Length	88 3/4	84 1/2
		All measurements are in inches

		45° Elbows
LENGTH BETWEEN OFFSETS		
3 INCH Ø	RISE	OFFSET
6" Length*	13 1/2 - 21 1/2	9 1/2 - 17 1/2
12" Length	15 1/2 - 23 1/2	11 1/2 - 19 1/2
12" + 6" Length*	18 1/2 - 26 1/4	14 1/4 - 22 1/4
24" Length	24 3/4 - 32 1/2	20 1/2 - 28 1/2
36" Length	32 1/2 - 40 1/2	28 1/2 - 36 1/4
48" Length	41 - 48 3/4	37 - 44 3/4
48" + 6" Length	43 3/4 - 51 3/4	39 3/4 - 47 3/4
48" + 12" Length	48 - 56	44 - 52
48" + 24" Length	40 - 30 57 1/4 - 65 1/4	53 1/4 - 61 1/4
48" + 36" Length	65 - 73	61 - 69
48" + 48" Length	41 - 48 3/4	69 1/2 - 77 1/2
48" + 48" + 12" Length	80 3/4 - 88 3/4	76 3/4 - 84 1/2
48" + 48" + 24" Length	90 - 97 3/4	85 3/4 - 93 3/4
4 INCH Ø	30 - 37 3/4	00 0/4 - 00 0/4
6" Length*	13 3/4 - 21 3/4	9 1/2 - 17 1/2
12" Length	15 3/4 - 23 3/4	11 1/2 - 19 1/2
12" + 6" Length*	18 3/4 - 26 3/4	14 1/2 - 22 1/2
24" Length	25 - 33	20 3/4 - 28 3/4
36" Length	32 3/4 - 40 3/4	28 1/2 - 36 1/2
48" Length	41 1/4 - 49 1/4	37 - 45
48" + 6" Length	44 1/4 - 52	40 - 48
48" + 12" Length	48 1/2 - 56 1/4	44 1/4 - 52
48" + 24" Length	40 1/2 - 30 1/4 57 1/2 - 65 1/2	53 1/4 - 61 1/4
48" + 36" Length	65 1/4 - 73 1/4	61 1/4 - 69
48" + 48" Length	73 3/4 - 81 3/4	69 1/2 - 77 1/2
48" + 48" + 12" Length	81 - 89	76 3/4 - 84 3/4
48" + 48" + 24" Length	90 1/4 - 98 1/4	86 - 94
40 T 40 T 24 LEIIYIII	50 1/4 - 50 1/4	All measurements are in inches

between the elbow

All measurements are in inches

* Use a 6" adjustable length instead of the 16" adjustable length

EXCELDIRECT VENT FOR GAS & PROPANE APPLIANCES



EXCELDirect® Technical Information

Certification

EXCELDirect® is certified by INTERTEK testing services.

Applications*

EXCELDirect[®] is a certified venting system designed to be used only with certified direct vent gas fired appliances.

Clearance to Combustible Materials

As determined by the gas appliance specifications in its instruction manual.

Construction

Flue: .016" Stainless Steel
Casing: .019" Galvalume Steel or .022" Satin Coated (painted black)
Paint: Forrest "Stove Bright" flat black.
Seam: Interior and exterior seams are laser welded.

Sizes

4" interior X 6 5/8" exterior 5" interior X 8" exterior

* charts refer to inner diameter.

EXCELDirect® Design Considerations

Prior to starting your installation, we suggest you take the following into consideration:

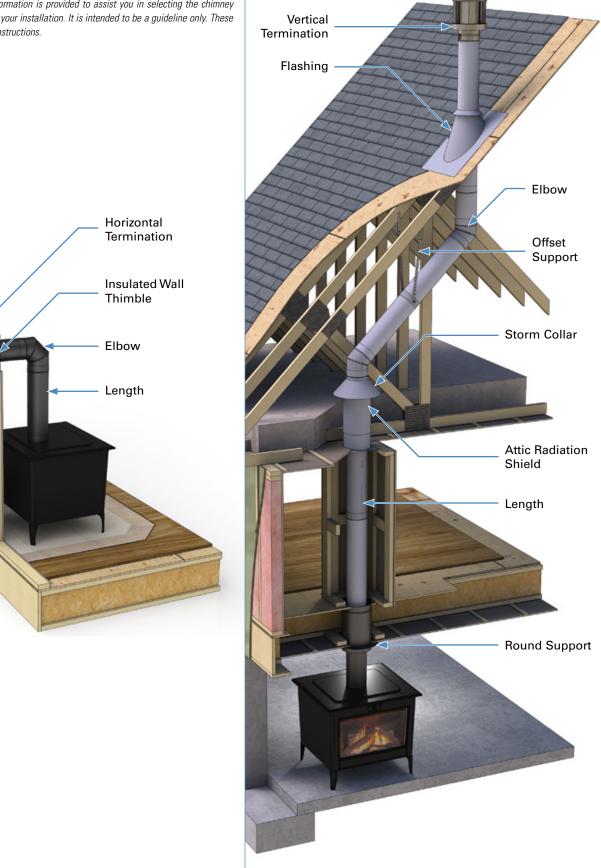
- 1. There are two possible ways to connect a direct vent venting system to a gas appliance:
- The horizontal installation (through the wall);
- The vertical installation (through the roof). Check the appliance manufacturer's installation instructions to see all possible vent configurations.
- Review all your options for the appliance location and also venting configuration. Try to minimize the alteration and reframing of structural components of the building (wall studs, water pipes, electrical wiring, ceiling joists, roof rafters, etc.). It may be easier to change the location of your appliance than to modify the building structure.
- Carefully read the appliance and the venting system instruction manuals. Good planning will save you time, work and money.
- Use only authorized EXCELDirect[®] listed components unless compatibility with another brand is specified in the appliance manufacturer's instructions. Do not use damaged parts.
- * For a list of manufacturer-specific appliance adapters, reference page 76.

- 5. For a horizontal installation, you will have to take into consideration the distance between the gas appliance adapter to the wall, as well as the wall thickness and a vertical rise (if applicable). The horizontal vent termination on the exterior must be located in accordance with the Installation Codes and Regulations.
- 6. For a vertical installation, you must consider the distance between the gas appliance outlet and the ceiling, the ceiling thickness, the height of the attic or second floor and allow sufficient vent height above roof line.
- 7. For two-story applications, firestops are required at each floor. If an offset is needed in the attic, additional lengths and elbows will be required.
- 8. Contact your local building authority and/or fire officials for permits, restrictions and installation inspections. You may also wish to contact your house insurance representative.



EXCELDirect® Typical Installations

NOTE: The following information is provided to assist you in selecting the chimney components required for your installation. It is intended to be a guideline only. These are not the installation instructions.



EXCELDirect[®] Product Descriptions

Horizontal Termination Kit (4HTK)

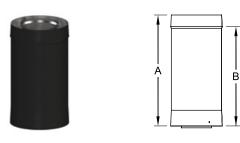
This classic up and out kit includes a Horizontal Termination (HT), Insulated Wall Thimble (WT), Trim Plate (TP), Black 90° Elbow (DE90B), Black 9" Length (DL9B) and Black 2' Length (DL2B).



Lengths

(DL6, DL6B, DL9, DL9B, DL1, DL1B, DL2, DL2B, DL3, DL3B, DL4, DL4B)

Slip Lengths (DLS1, DLS1B, DLS2, DLS2B)



 $\label{eq:excell} \ensuremath{\mathsf{EXCELDirect}}^\circledast \ensuremath{\,\mathsf{lengths}}\xspace \ensuremath{\mathsf{sect}}\xspace^\circledast \ensuremath{\mathsf{lengths}}\xspace \ensuremath{\mathsf{ac}}\xspace \ensuremath{\mathsf{sect}}\xspace^\circledast \ensuremath{\mathsf{sect}}\xspace \ensuremath{\mathsf{sect}}\xspace$

Slip lengths enable an installer to adjust the system to the exact overall length required for any installation. Slip lengths must be installed above a straight length that is not adjustable and will not adjust into an elbow.

			INCHES		
	Dimensions				
Code	Α	В			
DL6	5 5/8	4 1/4			
DL9	8 5/8	7 1/4			
DL1	11 5/8	10 1/4			
DL2	23 5/8	22 1/4			
DL3	35 5/8	34 1/4			
DL4	47 5/8	46 1/4			
Slip Lengths					
DLS1	Adds 1 7/8" - 9"				
DLS2	Adds 1 7/8" - 21"				

Telescopic Length

(DLA30, DLA30B)

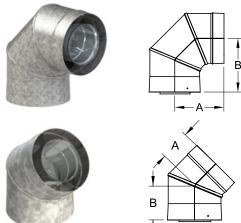


The Telescopic Length includes two pipe sections that must be used together. The joint between the pipe sections is cleaner looking than using a slip length. Telescoping from 16 1/2" to 29" in length makes it Ideal for up and out installations. INCHES

	Telescopic Length	
DLA30	Adjustable from 16 1/2" to 29"	

Elbows 30°, 45° & 90°

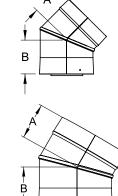
(DE30, DE30B, DE45, DE45B, DE90, DE90B)



EXCELDirect® elbows are available in 45° and 90° and also in Black or Galvalume. The stainless steel inner casings are seam welded to ensure there is no leakage.

			INCHES
Dimensions			
Code	Α	В	
4DE90	63/4	7	
4DE45	35/8	43/8	
4DE30	3 1/4	3 15/16	
5DE90	75/8	77/8	
5DE45	4	45/8	
5DE30	3 1/4	3 15/16	



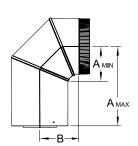


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Slip Elbow (DE90S, DE90SB)

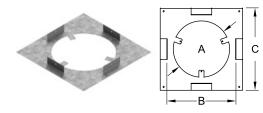




The vertical section of the slip elbow slides over a standard length just like a slip section of pipe. This eliminates the need for a separate slip piece. The installation can be completed faster and with fewer joints.

				INCHES
		Dimensions		
	A max.	A min.	В	
4DE90S	11 1/2	4 3/4	6 7/8	
5DE90S	11 1/2	5	7 3/4	

Ceiling Support / Firestop (CS)



The Ceiling Support/Firestop is the most common support. It can be used on any floor level. It is the perfect choice when a structure hides the venting system. Simply screw the support to the framed joist with four #8 x 1 1/2" wood screws or use four spiral nails, 2" long. The Ceiling Support/Firestop acts as a firestop and a support when installed from below. It can also be installed above the joists; however an additional firestop is required from below in this case.

			INCHES
	Dimensio	ons	
	4CS	5CS	
А	6 3/4	8 1/8	
В	8 3/4	10	
С	10 3/4	12	

Round and Square Support / Radiation Shield (RDS, SS)

... |--A---| └──B── \square C Ŕ 1 --- A ----В

EXCELDirect® supports are suitable for use on flat or sloping ceilings. The amount they project into the room is determined only by the desired visual effect, but must be more than 1/4 inch. These supports are designed to act as a combination of support and attic radiation shield. To use either support as an attic radiation shield, simply close the open area at the top of the support (in the attic) with a storm collar. The Round & Square Supports can hold up to 50' of 4"x 6 5/8" venting or 40' of 5"x 8".

			INCHES			
	Square Support [Dimensions				
	4SS 5SS					
A	6 3/4	8 1/8				
В	9 3/4	10 3/4				
С	24	24				
	Round Support D	limensions				
	4RDS	5RDS				
А	6 3/4	8 1/8				
В	9 3/4	10 3/4				
С	15 3/4	15 3/4				

Insulated Wall Thimble

(VVT)

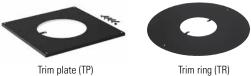


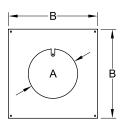
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Telescopes to accommodate wall thickness from 4" to 10 1/2". It is fully insulated and fits tightly to prevent heat loss. The 4" X 6 5/8" venting requires an 8 3/4" x 8 3/4" framed opening; the 5" X 8" venting requires a 10" x 10" framed opening.

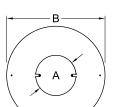
		INC	CHES	
Dimensions				
	4WT	5WT		
А	7	8 3/8		
В	8 5/8	9 7/8		
С	12	13		
D	4 to 10 1/2	4 to 10 1/2		

Trim Ring, Trim Plate (TR, TP)









These are typically used as decorative covers when installing a wall thimble in a gas stove application. On vertical installations they can serve as firestops when installed from below. They can also serve as a firestop on horizontal installations that don't require a wall thimble (i.e. a fully non-combustible wall). The Trim Ring (TR) is larger and round and the Trim Plate (TP) is smaller and square. Available in black only.

All EXCELDirect trims include a rubberized O-ring to seal the gap between the trim and vent.

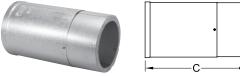
					INCHES
		Dimensions			
	4TP	4TR	5TP	5TR	
A	6 7/8	6 7/8	8 1/4	8 1/4	
В	12 1/4	19	13	20	

5WTE

8 1/4

9 3/4

Wall Thimble Extension (WTE)



ΑB 1

А

В

С

UL listed Wall Thimble insulated extensions. They install easily and will allow our standard wall thimble (WT) to fit walls up to 20 3/4" thick.

Dimensions

5 3/4 to 15

4WTE

67/8

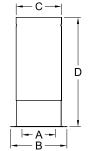
8 1/2

EXCELDirect®

INCHES

Attic Radiation Shield / Firestop (AS)

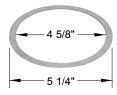




The Attic Radiation Shield / Firestop protects combustible framing in the floor or ceiling adjacent to the chimney, and also acts as a firestop spacer. When EXCELDirect® passes through the Attic Radiation Shield into an insulated space, a storm collar (SC) must also be installed to prevent the entry of insulation. This option CANNOT be used as a support and is typically used when the venting system will be enclosed.

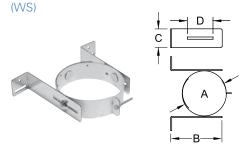
		INCHES	
	Dimensions		
	4AS	5AS	
A	6 7/8	8 1/4	
В	10 3/4	12	
С	8 5/8	9 7/8	
D	17 1/2 to 30	17 1/2 to 30	

Restrictor Disk (4RD)



Used only in accordance with specific manufacturer's installation instructions to reduce the flow of combustion air.

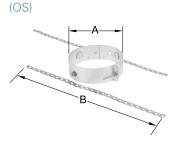
Adjustable Wall Support



Rated to support up to 13' (4" x 6 5/8") or 10' (5" x 8") of venting. The universal support collar is adjustable for either the 6 5/8" or 8" outside vent casing. It adjusts easily to provide from 1" to 5" of clearance to the wall.

		INCHES	
	Dimensions		
	WS (universal)		
А	6 1/2 or 7 7/8		
В	7 1/2		
С	2		
D	4 1/4		

Offset Support



The offset support is primarily used to re-support the chimney above an offset. However it can also be used to provide additional support when the chimney height exceeds the capacity of the primary support, or to support horizontal runs. The offset support straps are 24 inches long and the collar is adjustable to fit the 6 5/8" or 8" outside vent casing.

		INCHES
	Dimensions	
	OS (universal)	
A	6 1/2 or 7 7/8	
В	24	

Horizontal Terminations (HT, RHT)



Horizontal Termination (HT)

<-B→

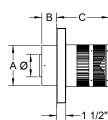
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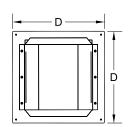
-C

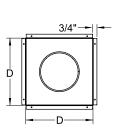
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2"

Round Horizontal Termination (RHT)







Our horizontal terminations are offered in two styles. Both are tested to high wind conditions and perform well even in winds equivalent to 40 mph. All Horizontal Terminations have built-in vinyl siding standoffs for siding up to 1 1/2" deep. For deeper siding, an additional Vinyl Siding Standoff (VSS) is required.

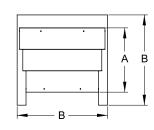
		INCHES
orizontal Terminatio	n Dimensions (HT)	
4"	5"	
6 3/4	8 1/8	
5 1/4	5 1/4	
7 5/8	7 5/8	
14	14	
	4" 6 3/4 5 1/4 7 5/8	6 3/4 8 1/8 5 1/4 5 1/4 7 5/8 7 5/8

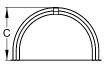
INCHES
RHT)

Wind / Heat Shield for **Horizontal Termination**

(HTS)







Provides additional wind and thermal protection. Required for specific appliance manufacturers; refer to your appliance manual for details about requirements. This shield also acts as a decorative shroud which can be painted.

			INCHES		
	Dimensions (HTS)				
Ø	4"	5"			
А	10	12			
В	14	14			
С	8 1/8	8 1/8			

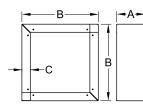
Wind / Heat Shield for **Round Horizontal Termination** (RHTS)



Provides additional wind and thermal protection. Required for specific appliance manufacturers; refer to your appliance manual for details about requirements.

Vinyl Siding Standoff



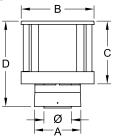


Required when siding is more than 1 1/2" deep. Prevents damage to temperature sensitive siding materials such as vinyl, shakes or shingles. For use with horizontal terminations only.

		INCHES			
	Dimensions				
Ø	VSS (universal)				
А	5				
В	14				
С	1 1/2				

Vertical Termination



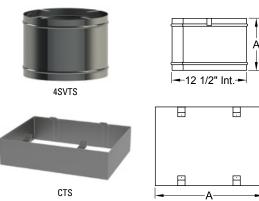


B

The SVT cap is made of stainless steel and is welded during assembly to ensure lasting performance. It is certified to high wind applications where the vent terminates vertically. It cannot be installed horizontally.

		INCH			
	Dimensions				
Ø	4"	5"			
А	6 5/8	8			
В	10 1/2	10 1/2			
С	9 1/2	9 1/2			
D	12 1/4	12 1/4			

Wind / Rain Shield (4SVTS, CTS)



Optional Wind and Rain Shields prevent issues caused by strong wind or driving rain. The 4SVTS shield will fit the SVT or IVT cap, the CTS is for the Traditional Style caps.

Termination	Wind / Ra	in Shield			
SVT, IVT	4SVTS				
CT3, CT4, PCT	CTS				
				INCHES	
	4SVTS D	imensions			
Code	Α	I	3		
4SVTS	9 1/8	1	2 1/2		
				INCHES	
CTS Dimensions					
Code	Α	В	Height		
CTS	18 1/2	14	5		

Snorkel Termination (ST14, ST36)

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There are two Snorkel Terminations designed for use when a vertical rise is desired on the exterior of the home, or if the installation is below grade.

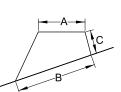
				INGLES		
	Dimensions					
	ST14		ST3	6		
Ø	4"	5"	4"	5"		
А	6 5/8	8	6 5/8	8		
В	7 to 10 3/4					
С	6 1/2	6 1/2	6 1/2	6 1/2		
D	26 3/8	26 3/8	48 3/8	48 3/8		
E	12 3/4	12	12 3/4	12		

INICHES

Adjustable Flashing

(F, FA, FB)

Flashings include a storm collar



Our Flashings are made of galvalume steel and we have variations to fit any pitch.

For 5" x 8" EXCELDirect, a 6" EXCEL chimney flashing is used. Similarly, for installations through metal roofs, a 6" EXCEL Metal Roof Flashing should be used in combination with a Metal Roof Flashing Adapter (4MFA, 4MFB).

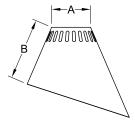
- 4F Flat roof
- 4FA 1/12 7/12 pitch roof

4FB 8/12 - 12/12 pitch roof

					INCHES
	Flas	hing Dimensi	ons		
DV Size	Code	Base W x L	Α	В	C
4 x 6 5/8	4F	20 x 20	7	12	8
4 x 6 5/8	4FA	20 x 20	7	12 5/8	3 3/4
4 x 6 5/8	4FB	22 x 26	7	17	3 3/4
5 x 8	6EF				
5 x 8	6EFA	1	See EXCEL Chimney Section		
5 x 8	6EFB				
	4 x 6 5/8 4 x 6 5/8 4 x 6 5/8 5 x 8 5 x 8	DV Size Code 4 x 6 5/8 4F 4 x 6 5/8 4FA 4 x 6 5/8 4FB 5 x 8 6EF 5 x 8 6EFA	DV Size Code Base W x L 4 x 6 5/8 4F 20 x 20 4 x 6 5/8 4FA 20 x 20 4 x 6 5/8 4FA 20 x 20 4 x 6 5/8 4FB 22 x 26 5 x 8 6EF 5 x 8	4 x 6 5/8 4F 20 x 20 7 4 x 6 5/8 4FA 20 x 20 7 4 x 6 5/8 4FB 22 x 26 7 5 x 8 6EF 5 x 8 6EFA See EXCEL C	DV Size Code Base W x L A B 4 x 6 5/8 4F 20 x 20 7 12 4 x 6 5/8 4FA 20 x 20 7 12 5/8 4 x 6 5/8 4FA 20 x 20 7 12 5/8 4 x 6 5/8 4FB 22 x 26 7 17 5 x 8 6EF 5 x 8 See EXCEL Chimney Section

Metal Roof Flashing Adapter (MFA, MFB)





This flashing cone fits onto a 6" EXCEL Metal Roof Flashing (6EMFA or 6EMFB, page 14) to convert it for use with EXCELPellet vent or EXCELDirect. Metal Roof Flashing and storm collar ordered separately.

		INCHES		
Dimensions				
Code	4MFA	4MFB		
A	5	5		
В	8	9 1/2		

Storm Collars

(SC, SQSC)





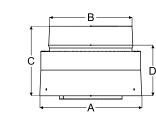
The storm collars fit both 4" x 6 5/8" and 5" x 8" EXCELDirect®. The regular Storm Collar (SC) is required to be used in combination with the Round Support or Attic Radiation Shield to form an attic insulation shield assembly when these components are installed into an insulated space. For square support installations, use the Square Support Attic Collar (SQSC) in an attic instead.

			INCHES	
Dimensions				
	SC	SOSC		
A	6 1/2 or 7 7/8	6 1/2 or 7 7/8		
В	9 1/4 or 10 5/8	14 1/4 or 17		
С	2	6 7/16		

Reducer 5" - 4" (R54)



NEW



Only certain appliances are approved to use a reducer. Check the appliance manual. This component permits the transition from 5" x 8" to 4" x 6 5/8".

				INCHE	S
		Dimensions			
Code	Α	В	C	D	
R54	8"	6 5/8"	5 1/2"	4"	

EXCELDirect Parts for Masonry Installations

Aluminum Flex Kits

(ALK, ALT)

EXCELDirect[®] Aluminum Flex Kits combine certified, high performance caps with quality, UL/ULC listed two ply aluminum flex. Certified with the most popular brands of direct vent stoves and fireplaces, our Galvalume flashing is durable, easy to bend, cut and secure with silicone. Kits include a cap with co-linear connectors, a flashing, hose clamps, and two 35' coils of aluminum flex.

				ALK Aluminum Flex Kit		
CODE	EXHAUST	AIR INTAKE	Insert Vertical Terminal (IVT)	Universal Flashing (MFR)	Aluminum Flex Roll (AL)	Hose Clamp
ALK33	3"	3"		0	Contraction of the second	
ALK43	4"	3"	4 90		2 x 35'	×4
				ALT Aluminum Flex Kit		
CODE	EXHAUST	AIR INTAKE	Traditional Co-linear (CT3 or CT4)	Universal Flashing (CTF)	Aluminum Flex Roll (AL)	Hose Clamp
ALT33	3"	3"	- War TERRALMAN			and the second second
ALT43	4"	3"			2 x 35'	×4

Horizontal Co-Linear Flex Kit

Designed for installations that penetrate the exterior wall of a masonry chimney and terminate horizontally. Certified with certain appliances only. Check the appliance manual.

	ALH Aluminum Flex Kit (ALH)					
CODE	EXHAUST	AIR INTAKE	Co-linea Horizontal Term		Aluminum Flex Roll (AL)	Hose Clamp
ALH	3"	3"		15 9/16" 3" 33/4" 7 5/8" 7 5/8" 0 0 0 0 0 0 0 0 0 0 0 0 0	2 x 5'	x4

Masonry Chimney Conversion Kit (ALC4)

Uses the masonry chimney to provide fresh air to a short length (5') of flex connected to the appliance and exhausts flue gases with a 35' coil of UL/ULC listed two ply aluminum flex. Kit includes a Traditional Masonry Adapter Cap (4PCT) with a 4" connector, a flashing, hose clamps, one 4" diameter coil of aluminum flex (35'), and one short length 3" diameter flex (5').

*Not certified for use in Canada.



Prefab Chimney Co-linear Flex Kit (ALP33)

Designed for relining prefab chimneys with co-linear aluminum flex. Fits prefab chimneys up to 11 $\prime\!\!\!/$ 0D.

	ALH Aluminum Flex Kit (ALP33)					
CODE	EXHAUST	AIR INTAKE	Insert Vertical Termination (IVT)	Prefab Chimney Top Adapter (IVTP)	Aluminum Flex Roll (AL)	Hose Clamp
ALP33	3"	3"			2 x 35'	x4

NEW

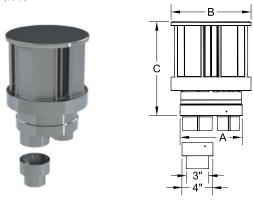
Aluminum Flex Roll



Our UL/ULC certified flex has gone through rigorous puncture and torsion testing to ensure continuous quality of every length. Rolls are available in 3° or 4° diameters.

- TC-ØAL35: 35' roll
- TC-ØAL50: 50' roll

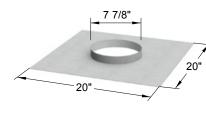
Insert Vertical Termination



Used when installing a direct vent system in a masonry chimney using two aluminum flex liners. The IVT has a 3" air inlet and a 4" exhaust. An adapter for 3" exhaust is included. Requires a flashing (MF, MFR, MFC or IVTP). Certified for high wind. The optional Wind / Rain Shield (SVTS) can improve performance in extreme wind conditions. Stainless steel construction.

	INCHES
	Dimensions
А	8 1/8
В	10 1/2
С	12 1/4

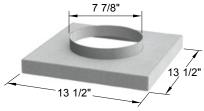
Universal Flashing for IVT



Made of galvalume, this flashing can be cut, bent, or secured with silicone to the top of a masonry chimney.

Clay Tile Flashing for IVT

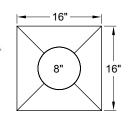
Made of galvalume and designed to fit onto a clay tile flue. Optional Hose Clamp Bracket (HC) can be used or it can be secured in the method of your choice.



f your choice.

Masonry Flashing for IVT

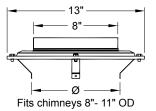
Made of stainless steel for added rigidity and corrosion resistance.



Prefab Chimney Top Adapter (IVTP)



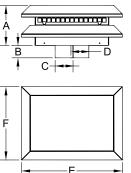
For co-linear direct vent installations in a prefab chimney. Will fit any round prefab chimney up to 11 $1/2^{\circ}$ OD. Use with the IVT termination only.



Traditional Co-Linear Chimney Cap

(CT3, CT4)



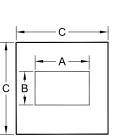


This stainless steel cap is designed for a direct vent insert installation in a masonry chimney that uses two aluminum flex liners. Requires a flashing (CTF, or CTFC). Certified for high wind. The optional Wind / Rain Shield (CTS) can improve performance in extreme wind conditions.

		INCHES
	Dimensions	
	CT3	CT4
A	6 1/2	6 1/2
В	2	2
C	2 7/8	2 7/8
D	2 7/8	3 3/4
E	16 1/2	16 1/2
F	12	12

Universal Flashing for Traditional Cap (CTF)



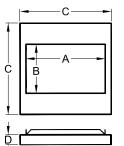


Made of galvalume, this flat flashing base is easy to cut, bend, or simply silicone to the top of a masonry chimney.

		INCHES
	Dimensions	
А	11 3/4	
В	7 1/4	
С	20	

Clay Tile Flashing for Traditional Cap (CTFC)

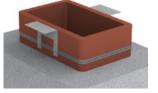




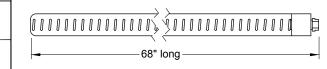
Made of galvalume and designed to fit onto a clay tile flue. Optional Hose Clamp Bracket (HC) can be used or it can be secured in the method of your choice.

		INCHES
	Dimensions	
А	11 3/4	
В	7 1/4	
С	13 3/4	
D	1 1/2	

Hose Clamp Bracket



Heavy duty hose clamp and two mounting brackets for Clay Tile Flashings (MFC and CTFC).

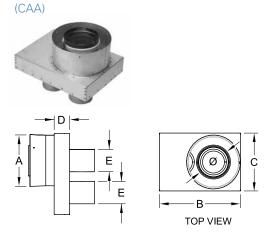


Flex Liner Connector (CFAA3, CFAA4)



Used to connect two pieces of flex together securely and without tearing. Available for 3" or 4" flex.

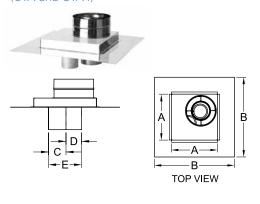
Co-Axial to Co-Linear Appliance Adapter



Use with direct vent gas appliances that require 4" x 6 5/8" venting. This part adapts a co-axial flue outlet to a flexible co-linear system to be used in an existing masonry chimney. **Flexible liners are ordered separately.**

-	INCHES
Dir	mensions
Ø	4"
A	6 5/8
В	10 1/2
С	7 1/2
D	2
E	2 7/8

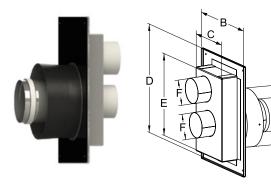
Co-Linear Termination Adapter (CTA and CTA4)



The Co-Linear Termination Adapter is for direct vent systems that are installed in existing masonry chimneys and use two co-linear liners. It is made out of stainless steel and is available with either 3" or 4" exhaust.

			INCHES			
	Dimensions					
	СТА	CTA4				
А	10 3/8	10 3/8				
В	18	18				
С	2 7/8	2 7/8				
D	2 7/8	3 3/4				
E	6 1/2	7 1/2				

Co-Linear Masonry Adapter (TM-4MAC33)

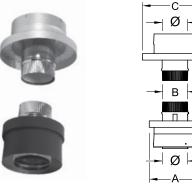


The Co-linear Masonry Adapter is designed for freestanding gas stove installations that will use a masonry chimney. Designed to fit 4x7 EXCELDirect, the built-in trim of the MAC is painted with Stove Bright Flat Black paint. Depending on the size of the existing thimble, some small masonry removal may be required, but the MAC has been built to the absolute minimum dimensions possible. INCHES

	Dimensions	
A	6 5/8	
В	9 5/8	
С	5 7/8	
D	12 7/8	
E	9 3/4	
F	3	

Type A Chimney Adapter

(CA6, CA7, CA8)



Provides a positive sealed connection between EXCELDirect[®] and class A chimneys. The Chimney Adapter includes a universal connector to tie into the existing chimney and an adapter to connect to an EXCELDirect[®] Vertical Cap (SVT). **4" flex and SVT termination sold separately**.

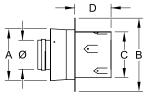
				INCHES
		Dimensions		
	4CA6	4CA7	4CA8	
Ø	4"	4"	4"	
A	6	7	8	
В	4	4	4	
С	8 1/8	9 1/8	10 1/8	

USA only, not available in Canada

Masonry Adapter

(MA)





1

Easily connect a masonry chimney of any size to a freestanding gas stove with the Masonry Adapter. It is to be installed in combination with the MTA (Masonry Termination Adapter); 4" diameter flex and a termination are required. 4" flex and SVT termination are sold separately.

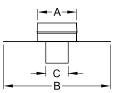
		INCHES
	Dimensions	
Ø	4"	
А	6 5/8	
В	9 1/2	
С	5 7/8	
D	3 3/4	
		USA only not available in Canada

USA only, not available in Canada

INCLIES

Masonry Termination Adapter (MTA)



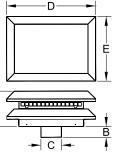


Adapts a 4" flexible liner to a direct vent system, typically used with the MA (Masonry Adapter). 4" flex and SVT termination sold separately.

		INCHES
	Dimensions	
	MTA	
A	6 5/8	
В	18	
С	4	
		USA only, not available in Canada

Traditional Masonry Adapter Cap (PCT)





This stainless steel cap is designed for direct vent installations in a masonry chimney that uses a single 4" aluminum flex liner for exhaust and the masonry chimney for fresh air. Requires a flashing (CTF, or CTFC). Certified for high wind. The optional Wind / Rain Shield (CTS) can improve performance in extreme wind conditions.

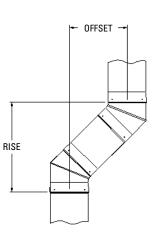
	INCHES
	Dimensions
А	6 1/2
В	2 3/4
С	3 3/4
D	16 1/2
Е	12

EXCELDirect® Appliance Adapters

	Manufacturer specif	fic appliance adapters
Adapter Code	Ø	Manufacturer
TM-4AA1	4" x 7"	VERMONT CASTINGS
TM-4AA2	4" x 7"	VALOR
TM-4AA3	4" x 7"	NAPOLEON
TM-4AA4	4" x 7"	KINGSMAN
TM-4AA5	4" x 7"	MHSC - Vermont Castings Group
TM-4AA6	4" x 7"	ARCHGARD
TM-4AA7	4" x 7"	REGENCY
TM-4AA8	4" x 7"	HEARTH & HOME TECHNOLOGIES
TM-5AA1	5" x 8"	KINGSMAN
TM-5AA2	5" x 8"	MHSC - Vermont Castings Group
TM-5AA3	5" x 8"	REGENCY
TM-5AA4	5" x 8"	KOZY HEAT
TM-5AA6	5" x 8"	MONTIGO
TM-5AA7	5" x 8"	ARCHGARD

EXCELDirect[®] Offset Tables

	V	ent Offset S	Specificatio	ons			
LENGTH BETWEEN OFFSETS	30° Elbows		45	45° Elbows		90° Elbows	
LENGTH DETWEEN UFF3ET3	RISE	OFFSET	RISE	OFFSET	RISE	OFFSET	
4 INCH Ø							
NO LENGTH	10 3/4	2 7/8	10 1/2	4 3/8	10 3/4	10 3/4	
6" Length	14 7/16	5	13 5/8	7 1/2	10 3/4	15 1/4	
12" Length	19 5/8	8	17 7/8	11 3/4	10 3/4	21 1/4	
24" Length	30	14	26 3/8	20 1/4	10 3/4	33 1/4	
48" Length	50 13/16	26	43 3/8	37 1/4	10 3/4	57 1/4	
5 INCH Ø							
NO LENGTH	10 3/4	2 7/8	11 3/4	4 7/8	12"	12"	
6" Length	14 7/16	5	14 7/8	8	12"	16 1/2	
12" Length	19 5/8	8	19 1/8	12 1/4	12"	22 1/2	
24" Length	30	14	27 5/8	20 3/4	12"	34 1/2	
48" Length	50 13/16	26	44 5/8	37 3/4	12"	58 1/2	



Open Fireplace Chimney Design Considerations

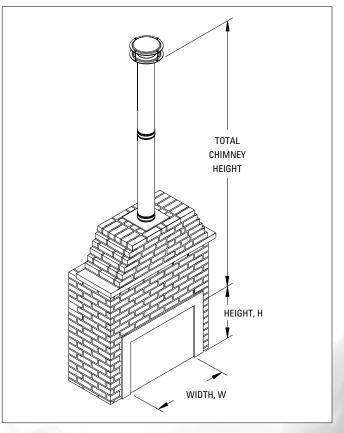
Chimney Sizing and Flue Height

The following information is provided to assist you in determining the correct chimney size and overall height required to provide trouble free operation. It is intended as a guideline only. There are many other factors, which determine the effective draft of a specific installation.

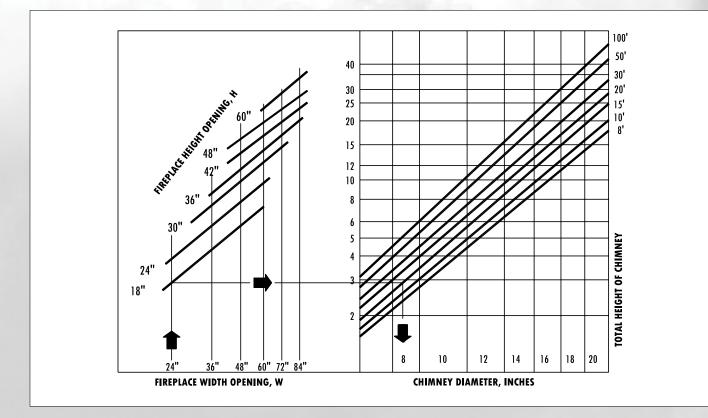
Sizing Fireplace Chimneys

The chimney-sizing chart on this page determines the correct chimney size for an open fireplace. For factory-built fireplaces and woodbuming stoves, use the size specified by the appliance manufacturer. In most cases, this is the diameter of the flue collar.

If you need help with a more complicated shape such as a multisided fireplace or an open fire pit please feel free to contact us by phone, fax or e-mail. Our engineering department will be pleased to assist you with sizing, material specifications, and any other technical information you require.



Example: A fireplace with a 24 inch wide by 18 inch high opening requires a 8 inch diameter chimney for 15' of chimney height.



Chimney Height Design Considerations

Recommended Flue Height

Once the correct chimney size has been determined, there are two factors which can be compensated for when calculating the optimum height of the system-elevation and chimney layout. The higher the elevation, the greater the chimney height required to provide the same draft as an installation at sea level. The more complex the chimney layout is (the more tees, elbows, etc. in the system), the greater the chimney height required to provide the same draft as a straight up system.

The minimum overall height of any chimney system is 12 feet for a vertical chimney with no offsets at sea level.

You must increase the vertical height of the system to compensate for horizontal runs, tees, and elbows. To compensate for:

One Tee	Add 3 feet. to the minimum height.
One 45° Elbow	Add I feet. to the minimum height.
One 90° Elbow	Add 2 feet. to the minimum height.
Each foot of horizontal run	Add 2 feet. to the minimum height.
Each 1000 feet. above sea level	Add 4% to the minimum height.

Example 1: House Built at Sea Level

A wood burning stove is installed on the main floor of a single story house at sea level. The chimney is installed with a 90° elbow through the wall into a tee, then straight up through the roof. To determine the minimum overall height add:

The minimum overall height = 12		
1 1/2 feet of horizontal run =	3 feet	
One "Tee" =	3 feet	
One 90' Elbow =	2 feet	
Additional Height =	8 feet	

Example 2: Identical House Built at 8,000 feet

To determine the minimum overall height, add 32% (4% per 1000 feet) to the height calculated in the above example:

20 feet + 32% = 26.4 feet

If the house were built at an altitude of 5000 feet, the overall height would be:

20 feet + 20% (4% per 1000 feet.) = 24 feet

The minimum overall chimney height required is 12 ft. + 8 ft. = 20 ft.

			Minimu from the flue	im Recomme connection					
				Number of	elbows				
Elevation Above Sea Level (feet)	0	2 X 15°	2 X 30°	2 X 45°	4 X 15°	4 X 30°	4 X 45°	1	2
0-1000	12	13	15	16	14	18	20	18	20
1000-2000	12 1/2	13 1/2	15 1/2	16 1/2	14 1/2	19	20 1/2	19	21
2000-3000	13	14	16	17	15	19 1/2	21 1/2	19 1/2	21 1/2
3000-4000	13 1/2	14 1/2	17	18	15 1/2	20	22 1/2	20	22 1/2
4000-5000	14	15	17 1/2	18 1/2	16	21	23	21	23
5000-6000	14 1/2	15 1/2	18	19	17	21 1/2	24	21 1/2	24
6000-7000	15	16	18 1/2	20	17 1/2	22 1/2	25	22 1/2	25
7000-8000	15 1/2	16 1/2	19	20 1/2	18	23	25 1/2	23	25 1/2
8000-9000	16	17	20	21	18 1/2	24	26 1/2	24	26 1/2
9000-10000	16 1/2	17 1/2	20 1/2	22	19	24 1/2	27	24 1/2	27

This column shows the height required for a rear vented stove run 18" horizontally into a tee

This column shows the height required for a top vented stove with a 90° degree elbow and an 18" horizontal run into a tee

The table above can be used to determine the minimum height required for many common installations

Index

EXCEL
Adjustable Peak flashing15
Adjustable Stud Support
Anchor Plate11
Anchor Plate Dampers
Attic Radiation Shield for Cathedral Ceiling
Attic Radiation Shields
Chimney Top Damper
Elbows
Extended Wall Supports9
Flashings
Flexible Base Flashings14
Flue Extension
Gable End Guide12
Hardware Kit
Insulated Adjustable Lengths8
Insulated Angled Wall Radiation Shields11
Insulated Lengths8
Insulated Tees
Locking Band12
Metal Roof Flashings14
Offset Support
Pitched Trim Rings10
Radiation Shield
Radiation Shield for Cathedral Ceiling
Radiation Shield Tubes
Rain Caps
Roof Brace
Roof Brace Stiffener
Roof Radiation Shield
Roof Support
Round & Square Supports 10 Snow-Wedge 12
Show-wedge
Stanness Trini for EWRS
Support Extensions
Tee Cap
Universal Vinyl Siding Trim
Vented Flashings
Ventilated Chase Cone
Wall Channel
Wall Radiation Shields
Wall supports - Wall Bands

ULTRABlack

Adjustable Lengths	
Barometric Damper Adapter	
Conical Trim Ring23	3
Damper Section	
Elbows	l
Increasers	2
Lengths	1
Masonry Adapter	3

Masonry Thimble Adapter	
Oval to Round Adapter	
Reducers	
Slip Lengths	
Stove Adapters	
Tees	
Trim Collars	

EXCELPrime

12" Slip Flue Extension
Adjustable Elbow 90°
Adjustable Length
Barometric Damper Adapter
Clean Out Elbow 90°
Damper Section
Elbow
Heat Shield
Heat Shield Spacer
Increaser
Length
Masonry Adapter
Masonry Plug
Oval to Round Adapter
Reducer
Slip Elbow 90°
Slip Length
Tee
Tee Cap
166 Gap

EXCELiner

Adjustable Flex Adapter Elbow
Adjustable Snout Tees
Base Support40
Elbows
Flex Liner Adapters
Increasers and Reducers
Insulated Wall Thimbles
ITH Extension
Lengths
Offset Box
Rain Caps
Slip Lengths
Split Base Tees
Tee Cap
Top Supports40
Twist Lock Tee

Model RIS

Adjustable Lengths
Anchor Plate
Anchor Plate Damper
Attic Cathedral Ceiling Radiation Shield47
Canadian vented flashing for Rumford 1500 Fireplace47
Cathedral Ceiling Radiation Shields
Chimney Top Damper44
Elbows
Flexible Radiation Shield Tube47
Insulated Angled Wall Radiation Shields46
Insulated Tees
Lengths
Locking Band46
Offset Support
Radiation Shield
Rain Cap Base
Rain Caps
RIS 12" Radiation Shield
Roof Brace
Roof Flashings
Roof Support
Roof Top Shield
Spark Screen
Wall Band
Wall Support 45

EXCELPellet

3" - 4" Tapered Increaser
Adjustable Jet Cap
Adjustable Wall Support55
Ceiling Support/Radiation Shield55
Chimney Adapter Cap
Clay Tile Flashing for Traditional Cap59
Clean-Out Elbow
Clean-Out Length
Clean-Out Tee
Elbows
Female Flex Adapter56
Flashings
Flex Adapter Tee56
Harman Stove Adapter
Harman Style Gaskets57
Horizontal Cap
Hose Clamp Bracket
Insulated Wall Thimble54
Lengths
Masonry Adapter55
Metal Roof Flashing Adapter60
Pellet / Liner 5" Adapter56
Quick Disconnect Stove Adapter57
Rain/Wind Shield
Slip Elbow
Spark Screen
Square Support/Radiation Shield55
Storm Collars
Stove Adapter Tee52
Tapered Stove Adapter57
Tee Cap
Tees

Traditional Masonry Adapter Cap	59
Type A Chimney Adapter	55
Type A Chimney Reline Adapter	56
Universal Flashing for Traditional Cap	59
Universal Stove Adapter	57
Vertical Cap Spark Screen	58
Vertical Rain Cap	58
Wall Thimble Extension	54
Wall Thimble with Integrated Outside Air	54
Wall Thimble with Outside Air Channel	54

EXCELDirect[®]

Adjustable Flashing	70
Adjustable Wall Support	
Aluminum Flex Kits	71
Aluminum Flex Roll	
Attic Radiation Shield / Firestop	67
Ceiling Support / Firestop	
Clay Tile Flashing for IVT	72
Clay Tile Flashing for Traditional Cap	
Co-Axial to Co-Linear Appliance Adapter	74
Co-Linear Masonry Adapter	74
Co-Linear Termination Adapter	74
Elbows 30°, 45° & 90°	65
Flex Liner Connector	
Horizontal 3 X 3 Co-Linear Flex Kit	71
Horizontal Termination Kit	
Horizontal Terminations	68
Hose Clamp Bracket	73
Insert Vertical Termination	72
Insulated Wall Thimble	66
Lengths	64
Masonry Adapter	75
Masonry Chimney Conversion Kit.	71
Masonry Flashing for IVT	72
Masonry Termination Adapter	
Metal Roof Flashing Adapter	70
Offset Support	
Prefab Chimney 3 x 3 Co-linear Flex Kit	
Prefab Chimney Top Adapter	72
Reducer 5" - 4"	70
Restrictor Disk	
Round and Square Support / Radiation Shield	
Slip Elbow	
Slip Lengths	
Snorkel Termination	
Storm Collars	
Telescopic Length	
Traditional Co-Linear Chimney Cap	
Traditional Masonry Adapter Cap	75
Trim Ring, Trim Plate	66
Type A Chimney Adapter	
Universal Flashing for IVT	72
Universal Flashing for Traditional Cap	73
Vertical Termination	69
Vinyl Siding Standoff	
Wall Thimble Extension	
Wind / Heat Shield for Horizontal Termination	
Wind / Heat Shield for Round Horizontal Termination $\ldots\ldots\ldots$	
Wind / Rain Shield	69





RSF Woodburning Fireplaces, a division of ICC, is one of North America's largest manufacturers of clean burning, high efficiency fireplaces. RSF has been designing leading edge woodburning products for over twenty years and manufactures the broadest range of environmentally friendly fireplaces on the market today.





Renaissance Fireplaces is a line of high end award winning fireplaces which offer an unmatched view of the fire and very low emissions.

CLEAN DOESN'T MEAN COMPROMISE

VIP | VIC | IS

ICC Chimney engineers a wide range of commercial/industrial chimney systems. We make insulated pressure stacks for applications ranging from forced draft boilers and industrial ovens to diesel engine exhaust systems. ICC can provide complete engineering and design services from preliminary chimney sizing and material specifications to detailed 3D AutoCAD assembly drawings.





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INDUSTRIAL CHIMNEY COMPANY INC.

Visit our website at www.icc-rsf.com 400 J.F. Kennedy St. Jerome, Quebec, Canada, J7Y 4B7 Tel.: (450) 565-6336 | Fax: (450) 565-6519