

EXCEL

ALL FUEL, INSULATED CHIMNEY SYSTEM 5" – 8"



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 (Canadian)	UL103HT (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

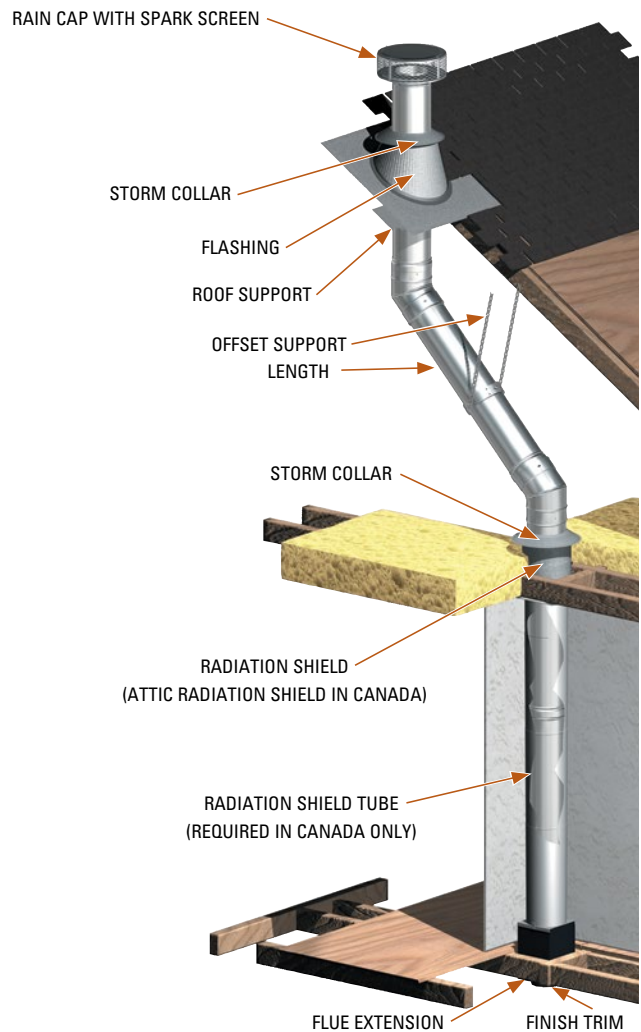
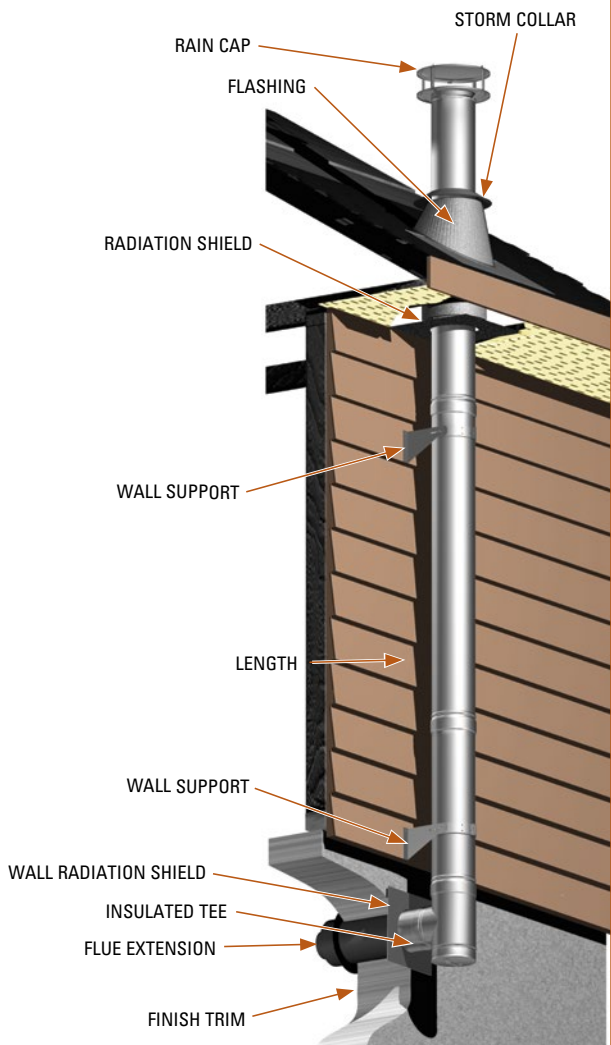
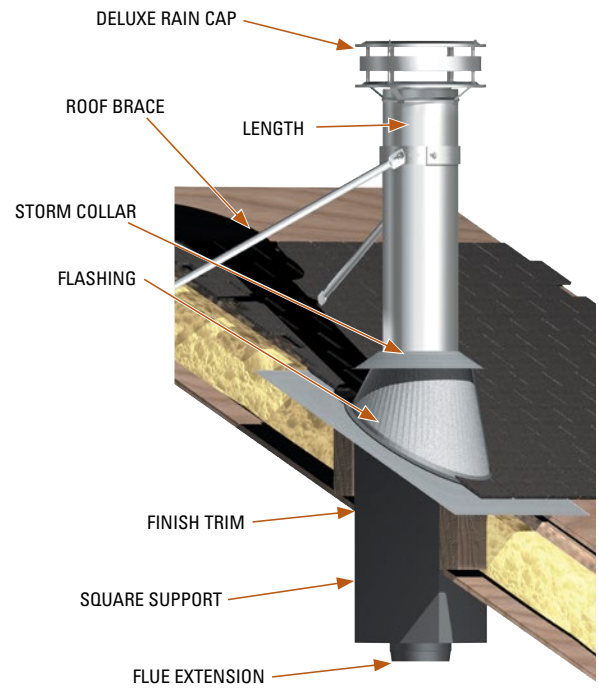
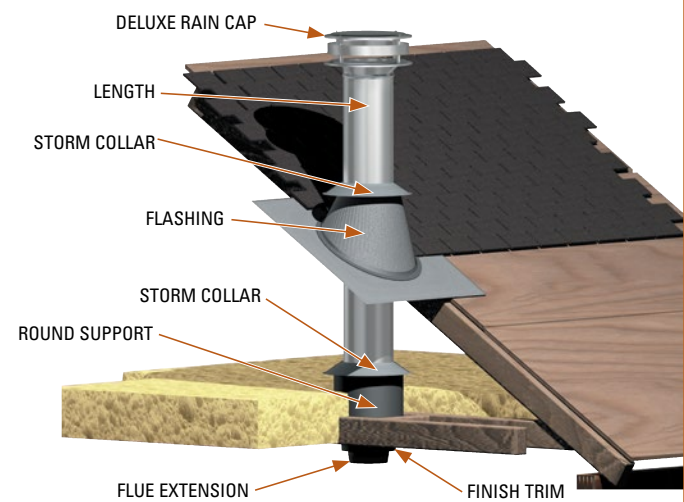
Chimney size	5"	6"	7"	8"
Rough opening required	(INCHES)			
Round support (ERDS)	10 x 10	10 x 10	11 x 11	12 x 12
Square support (ESS)	N/A	10 x 10	11 x 11	12 x 12
Roof support (ESR)	11 x 11	12 x 12	13 x 13	14 x 14
Offset support (EOS)	11 x 11	12 x 12	13 x 13	14 x 14
Radiation shield (ERS, ERSA & ERSC)	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	(FEET)			
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 be used at all floor joist and ceiling 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.



EXCEL Product Descriptions

Insulated Lengths

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



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	
	Outside of Bead	7 1/4	8 1/4	9 1/4	10 1/4	
Weight - lbs/foot		3.6	4.2	4.9	5.3	
Nominal length	48	36	24	18	12	
Installed length	46 1/4	34 1/4	22 1/4	16 1/4	10 1/4	4 1/4

Insulated Adjustable Lengths

(ELA18)



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.

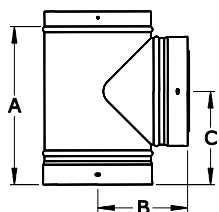
The adjustable length must be installed above a straight chimney length. It will not adjust into an elbow or tee. To determine the installed length deduct 1 1/2" from the overall length. To adjust the length, remove the screws, slide the sections of the outer casing together to the desired length and 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" adjustable
Installed length	9 1/2 - 16 1/4

Insulated Tees

(ETI)



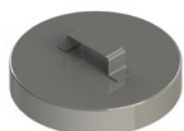
The insulated tee can be used on the interior or exterior of a building. The tee is designed to be used in combination with a wall support assembly. The EXCEL tee cap has a handle on the bottom to simplify removal for cleaning. An ETC Tee Cap is included.

INCHES

Dimensions			
Code	A	B	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

Tee Cap

(ETC, EITC)

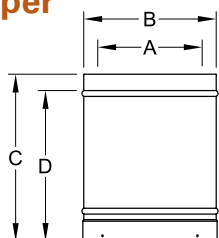


ETC

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 temperatures.

Chimney Top Damper

(ETD)



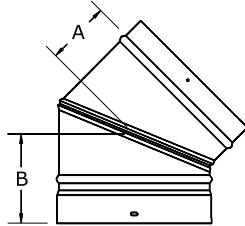
Adding this "Top Damper" to a system seals it right at the top of the chimney. The "Chimney Top Damper" is placed directly below the cap and is designed to prevent any cold air infiltration into the house through the chimney. It functions on a chain that hangs down to the firebox and comes with 30' of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

INCHES

Dimensions				
Code	A	B	C	D
7ETD	7	9	12	10 1/4
8ETD	8	10	12	10 1/4

Elbows

(EE15, EE30 & EE45)

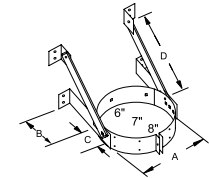
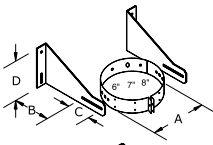


EXCEL 15° and 30° elbows are tested and listed to UL 103HT and ULC S629 Standards. EXCEL 45° elbows are certified to ULC S629 only.

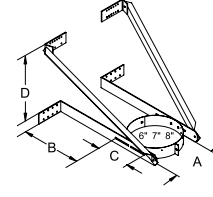
INCHES

Dimensions		
Code	A	B
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 only		
5EE45	2 7/8	3 7/8
6EE45	3	4
7EE45	3 1/4	4 1/4
8EE45	3 1/2	4 1/2

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



Old Style Wall support (EWS-R)



Extended Wall support (EWSE)

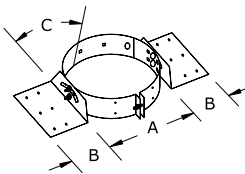
The wall support (EWS) is used to support a vertical chimney on a through-the-wall installation. The EXCEL Wall Support installs on the first length of chimney above the tee, (not below the tee, thus making it easier to fasten the support to framing, instead of into concrete). The Wall Support utilizes 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	A	B	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	A	B	C	D
EWSE	8, 9 or 10	12 1/4	6 1/2	13

Roof Support

(ESR)



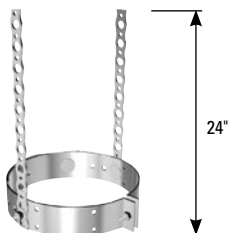
The roof support is primarily used when it is difficult to use a round or square support in a cathedral ceiling. It can also be used above an offset, or to provide additional support when the chimney height exceeds the capacity of the primary support. The roof support utilizes a universal band, so that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

INCHES

Dimensions (Fits 5", 6", 7" & 8" chimney)			
Code	A	B	C
ESR	7, 8, 9 or 10	6	Fits flat - 24 / 12

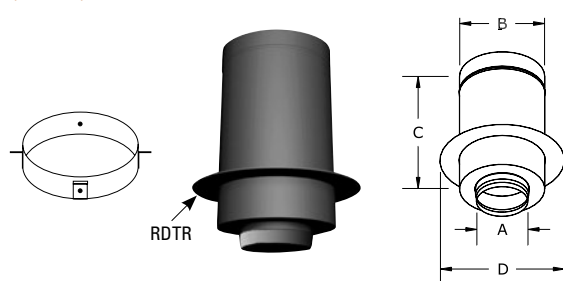
Offset Support

(EOS)



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 Support (ERDS)



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 a support as an attic radiation shield, simply close the open area at the top of the support (in the attic) with a storm collar. Clearance to the exterior of EXCEL chimney is reduced to 1" while inside the support or support extension.

Dimensions				
Code	A	B	C	D
5ERDS	5	10	24	14 1/4
6ERDS	6	10	24	14 1/4
7ERDS	7	11	24	15 3/4
8ERDS	8	12	24	17

Storm collar (ESC) ordered separately.

Insulated Round Support (ERDSI)

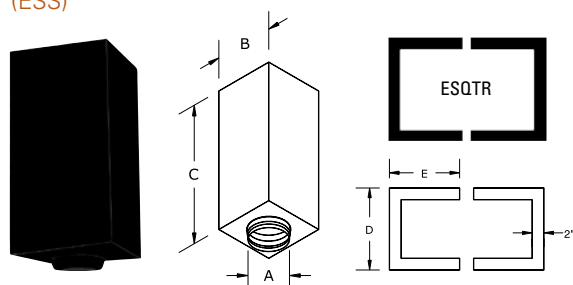


The Insulated round support includes an insulation wrap for the chimney length inside the support and an insulated firestop to be sealed to the vapor barrier.

Dimensions				
Code	A	B	C	D
6ERDSI	6	10	24	14 1/4
7ERDSI	7	11	24	15 3/4
8ERDSI	8	12	24	17

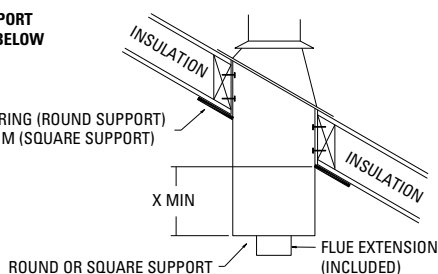
Storm collar (ESC) ordered separately.

Square Support (ESS)



MINIMUM SUPPORT
PROJECTION - BELOW
THE CEILING

PITCHED TRIM RING (ROUND SUPPORT)
OR FINISH TRIM (SQUARE SUPPORT)



Square Supports are ideal for installation in sloped ceilings but can be installed in flat ceilings as well.

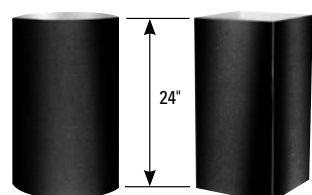
Like Round Supports, Square Supports act as a combination of support and attic radiation shield. To use a Square Support as an attic radiation shield, the top of the support (in the attic) must be covered with an **ESQSC (Square Support Storm Collar)** because a standard storm collar is not wide enough to fully cover the opening. Clearance to the exterior of EXCEL chimney is reduced to 1" while inside the support or support extension.

Dimensions					
Code	A	B	C	D	E
6ESS	6	10	24	14	12
7ESS	7	11	24	15	12
8ESS	8	12	24	16	12

Storm collar (ESQSC) ordered separately.

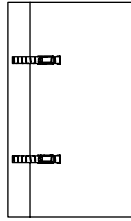
Slope	X
0/12	3
2/12	5 1/2
7/12	6 3/4
12/12	7 1/2
24/12	12 1/2

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.

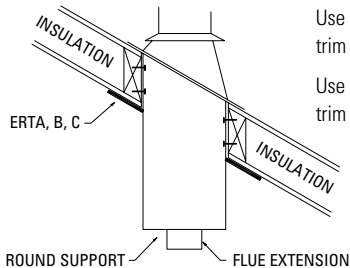
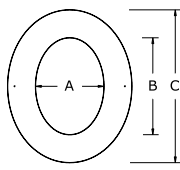
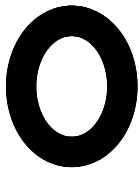
Insulation Sleeve For Support Box (EIS)



The Insulation Sleeve can be combined with any standard Square Support or Round Support. It wraps around the first section of chimney installed inside the support box and helps ensure the home remains airtight while also preventing condensation. This is the same sleeve that is included with the Insulated Round Support (ERDSI). The EIS Insulation Sleeve is available in 6", 7" and 8" diameters.

Pitched Trim Rings

(ERTA, B, C & ECTA, B, C)



Use ERTA, B, C for pitched trim on Round Support.

Use ECTA, B, C for pitched trim on EXCEL lengths.

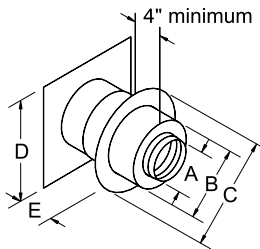
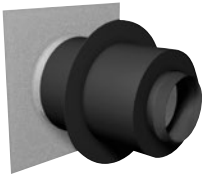
If you are installing a round support on a sloping ceiling, or passing EXCEL through a pitched ceiling without a support, you will require a pitched trim ring. Use the following table to determine the correct trim ring for your installation. Pitched trim rings are not available in 5" Ø. The finish trim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

INCHES

Pitched Trim Ring Dimensions					
Trim For	Code	A	B	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

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 removable 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.

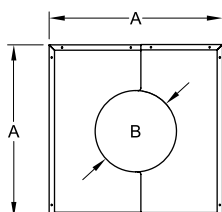
Insulated Wall Radiation Shield (EWRSI)

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.

INCHES

Dimensions					
Code	A	B	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)

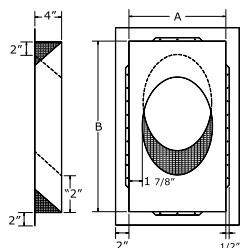


A decorative trim cover for the exterior wall plate of the Wall Radiation Shield that prevents water infiltration while providing adequate heat ventilation. It is constructed from two separated pieces and can be added at any point.

INCHES

Dimensions		
Ø	A	B
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

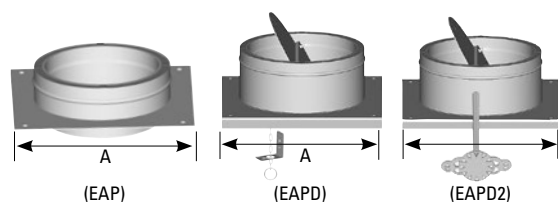
Required Opening Dimensions				
Angle	30°		45°	
	A	B	A	B
6"	11 3/4	38	11 3/4	27 7/16
7"	12 3/4	40	12 3/4	28 7/8
8"	13 3/4	42	13 3/4	30 1/4

Anchor Plate (EAP)

It is used to connect EXCEL Chimney to an appliance, masonry fireplace or heater.

Anchor Plate Dampers (EAPD, EAPD2)

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	A
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

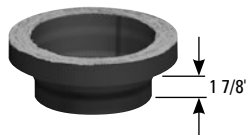
Hardware Kit (HK)

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



Flue Extension (EX)

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.



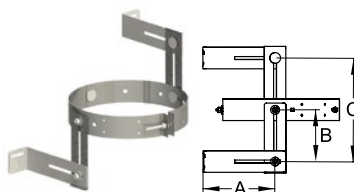
Locking Band (ELB)

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)

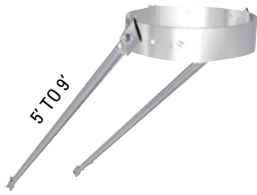
The purpose of the Gable End Guide is to assist in the stabilization of chimney as it passes the gable end of a home. The EGEG has adjustable arms to fit up to a 12/12 pitch. It is important to note the EGEG is a guide and it does NOT replace a support. Utilizes universal band to fit 6, 7 and 8" Chimneys.



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 (ERB, ESRB)



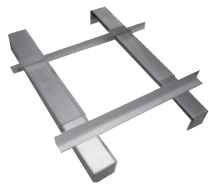
Stainless steel roof brace poles (ESRB) are now available; the roof brace is used to provide lateral support for a chimney which extends more than 5 feet above a roof. The roof brace utilizes a universal band to fit 6, 7 and 8 inch chimneys. The arms on the roof brace telescope from 5 ft. to 9 ft. long.

Roof Brace Stiffener (ERBS)



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

Adjustable Stud Support (EAS)

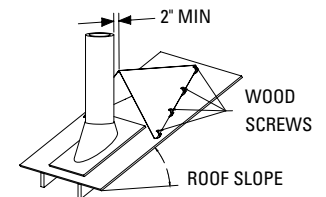


Allows you to install a round or square support (ERDS, ES & ESS) without using wood framing. The maximum support capacity is 30 feet of chimney. The maximum joist spacing is 24" center to center.

Snow-Wedge (ESW)



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



Wall Channel (EWC)



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

Universal Vinyl Siding Trim (EVT)



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)



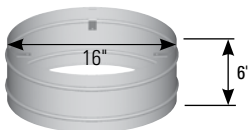
Regular Rain Cap (ERC)



Rain Cap Deluxe (EDRC)



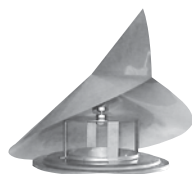
Spark Screen (ERCS)



Rain/Wind Shield (ERCW)



Rain Cap Base (ERCB)



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.

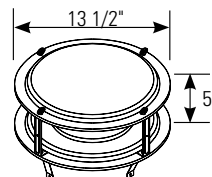
EDRC: The deluxe cap is made from .025" thick type 304 stainless steel and carries a **lifetime 100% full replacement warranty**.

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.

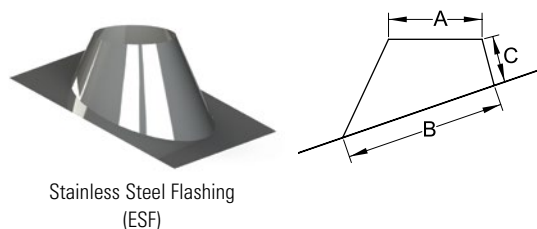
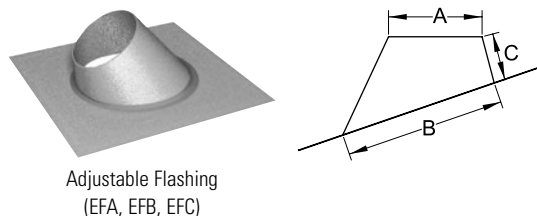
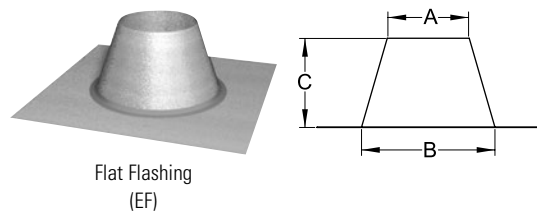
ERCB: The rain cap base is designed to cover the end of the chimney in applications where a rain cap is not practical but it does not keep rain from entering the chimney.

ERRC: The revolving rain cap helps to prevent the entry of wind driven rain and helps to prevent wind induced downdrafts.



Flashings

(EF, ESF)



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

Flashings Dimensions							
Pitch	Flue I.D.	Galvalume	Stainless	Base W x L	A	B	C
Flat - 2/12	5"	5EF	5ESF	20 x 20	7 3/8	12	8
	6"	6EF	6ESF	24 x 24	8 3/8	14 1/16	8
	7"	7EF	7ESF	24 x 24	9 3/8	14 1/8	8
	8"	8EF	8ESF	24 x 24	10 3/8	16	8
1/12 - 7/12	5"	5EFA	5ESFA	20 x 20	7 3/8	12 5/8	3 3/4
	6"	6EFA	6ESFA	24 x 24	8 3/8	13 7/8	3 3/4
	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
8/12 - 12/12	5"	5EFB	5ESFB	24 x 28	7 3/8	17 1/16	3 3/4
	6"	6EFB	6ESFB	24 x 26	8 3/8	16 1/2	3 3/4
	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
12/12 - 21/12	5"	5EFC	5ESFC	24 x 34	7 3/8	21	7 3/4
	6"	6EFC	6ESFC	24 x 40	8 3/8	23 3/16	7 3/4
	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

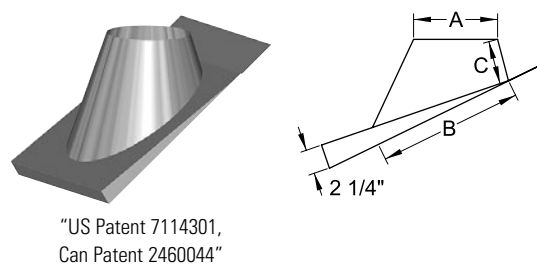
All Flashings include a Storm Collar

Flashing	Storm Collar included*	Material
EF	ESC	Galvalume
EFA	ESC	Galvalume
EFB	ESC	Galvalume
EFC	ESC	Galvalume
ESF	ESSC	Stainless
ESFA	ESSC	Stainless
ESFB	ESSC	Stainless
ESFC	ESSC	Stainless

* Storm collars for 5" diameter EXCEL are not universal. Refer to the Storm Collar info on page 18 for details.

Metal Roof Flashings

(EMF)



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

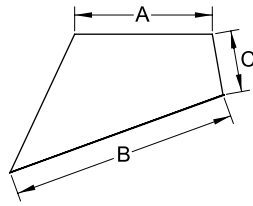
Flashings Dimensions						
Pitch	Flue I.D.	Code	Base W x L	A	B	C
3/12 - 7/12	5"	5EMFA	24 3/4 x 21 3/4	7 3/8	12 9/16	3 3/4
	6"	6EMFA	24 3/4 x 21 3/4	8 3/8	13 13/16	3 3/4
	7"	7EMFA	24 3/4 x 21 3/4	9 3/8	14 1/8	3 3/4
	8"	8EMFA	24 3/4 x 23 3/4	10 3/8	15 5/16	3 3/4
8/12 - 12/12	5"	5EMFB	25 15/16 x 25 3/4	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
	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
12/12 - 21/12	5"	5EMFC	26 3/4 x 31 3/4	7 3/8	21	7 13/16
	6"	6EMFC	26 3/4 x 37 3/4	8 3/8	23 3/16	7 13/16
	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 Flashings include a Storm Collar

Flashing	Storm Collar included	Material
EMFA	ESC	Galvalume
EMFB	ESC	Galvalume
EMFC	ESC	Galvalume

Flexible Base Flashings

(ELFA, ELFB, ELFC)



All Flashings include a Storm Collar

Flashing	Storm Collar included	Material
ELFA	ESSC	Stainless
ELFB	ESSC	Stainless
ELFC	ESSC	Stainless

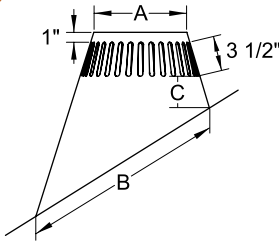
The flexible base flashing combines a stainless steel cone with a flexible lead base which can be easily formed on site to match virtually any roof profile. It was designed for masonry tile roofs but can be used wherever a flexible base is required except for metal roofs.

INCHES

Flashing Dimensions						
Pitch	Flue I.D.	Code	Base W x L	A	B	C
1/12 - 7/12	6"	6ELFA	13 1/8 x 13 7/8	8 3/8	13 13/16	3 3/4
	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
12/12 - 21/12	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
	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

Vented Flashings

(EVF, EVFA, EVFB, EVFC)



All Flashings include a Storm Collar

Flashing	Storm Collar included	Material
EVF	EVSC	Galvalume
EVFA	EVSC	Galvalume
EVFB	EVSC	Galvalume
EVFC	EVSC	Galvalume

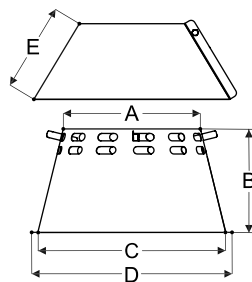
Vented Flashings are required in certain applications where additional airflow is required.

INCHES

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

Ventilated Chase Cone

(EVCC)



EVCC Ventilated Chase Cone

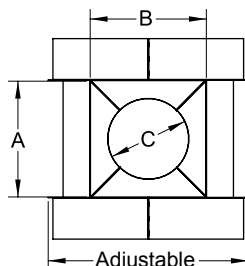
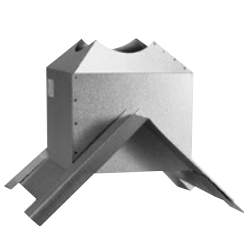
Designed to be mounted to custom chase top covers where the chimney is enclosed in a chase and the appliance requires a vented flashing. This vented cone provides the ventilation required without the cumbersome flashing base. This makes it easy to meet the vented flashing requirements, even with a custom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

INCHES

EVCC Dimensions						
Code	Flue I.D.	A	B	C	D	E
EVCC	6"	10 1/2"	7 7/8"	14 1/4"	15 1/4"	7"
	7"	11 1/2"	7 7/8"	15 1/4"	16 1/4"	7"
	8"	12 1/2"	7 7/8"	16 1/4"	17 1/4"	7"

Adjustable Peak Flashing

(EFP)

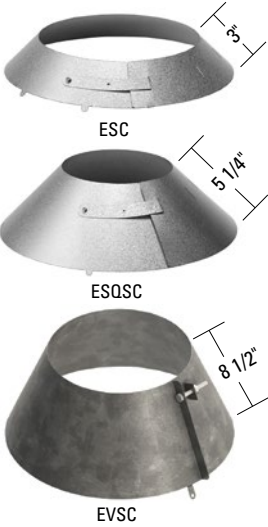


The adjustable peak flashing is designed to be used when the chimney passes through the peak of the home. It will fit any peak between 2/12 and 12/12.

INCHES

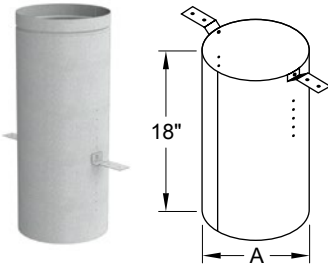
Flashing Dimensions					
Pitch	Flue I.D.	Code	A	B	C
2/12 - 12/12 Peak	6"	6EFP	12	12 3/16	8 3/8
	7"	7EFP	13	13 3/16	9 3/8
	8"	8EFP	14	14 3/16	10 3/8
All Flashings include a Storm Collar					
Flashing	Storm Collar included	Material			
EFP	ESC	Galvalume			

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.

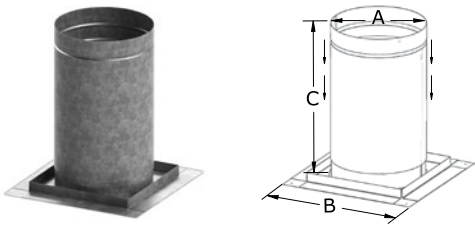
Roof Radiation Shield
(ERRS)



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	
Code	Diameter
6ERRS	10"
7ERRS	11"
8ERRS	12"

Radiation Shield
(ERS)

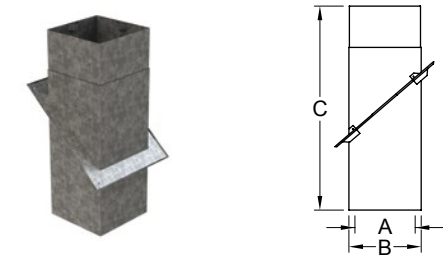


The radiation shield protects combustible framing in the floor or ceiling adjacent to the chimney and also acts as a firestop spacer. When the chimney passes through the radiation shield into an insulated space a universal storm collar must also be installed to prevent the entry of insulation. Radiation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

INCHES				
Dimensions				
Code	A	B	C	Framing
5ERS	10 1/2	16 X 16	15 3/4 - 28	12 x 12
6ERS	10 1/2	16 X 16	15 3/4 - 28	12 x 12
7ERS	11 1/2	16 X 16	15 3/4 - 28	13 x 13
8ERS	12 1/2	16 X 16	15 3/4 - 28	14 x 14

Storm collar (ESC) ordered separately.

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" clearance to chimney through radiation shields.

INCHES				
Dimensions				
Code	A	B	C	Framing
6ERSC	8 1/4	10 1/4	24-38	12 x 12
7ERSC	9 1/4	11 1/4	24-38	13 x 13
8ERSC	10 1/4	12 1/4	24-38	14 x 14

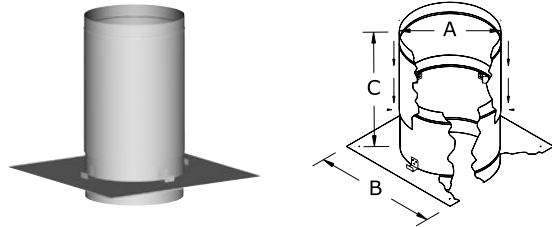


Canadian Components:

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.

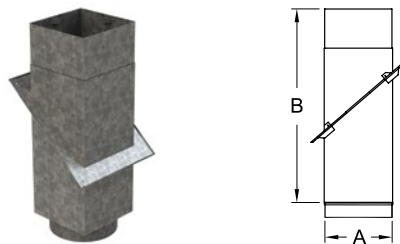
INCHES

Dimensions			
Code	A	B	C
5ERSA	Ø 10 1/2	16 X 16	13 3/4 - 26
6ERSA	Ø 10 1/2	16 X 16	13 3/4 - 26
7ERSA	Ø 11 1/2	16 X 16	13 3/4 - 26
8ERSA	Ø 12 1/2	16 X 16	13 3/4 - 26

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.

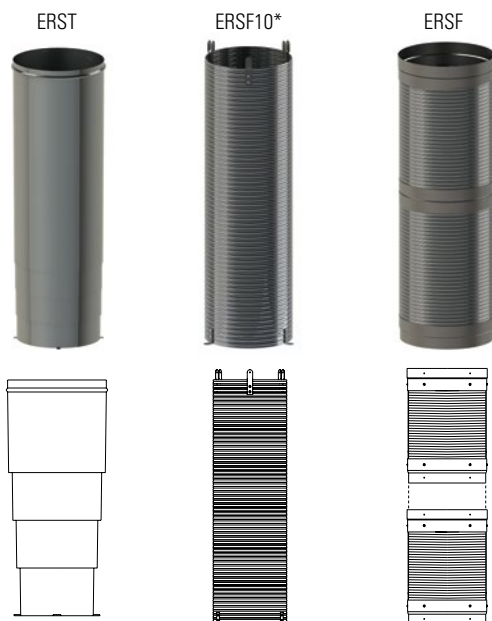
INCHES

Dimensions		
Code	A	B
6ERSCA	10 5/8	24 – 38
7ERSCA	11 5/8	24 – 38
8ERSCA	12 5/8	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" 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 Dimensions [†]			
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

EXCEL

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

LENGTH BETWEEN OFFSETS	15° Elbows		30° Elbows		45° Elbows	
	RISE	OFFSET	RISE	OFFSET	RISE	OFFSET
5 INCH Ø						
NO LENGTH	9 1/4	1 1/4	10 1/2	2 3/4	11 1/4	4 3/4
6" Length	13 1/4	2 1/4	14 1/4	5	14 1/4	7 3/4
12" Length	19	3 3/4	19 1/4	8	18 1/2	12
18" Length	25	5 1/2	24 1/2	11	22 3/4	16 1/4
24" Length	30 3/4	7	29 3/4	14	27	20 1/2
36" Length	38 1/2	10	33 3/4	20	35 1/2	29
48" Length	53 3/4	13 1/4	50 1/2	26	44	37 1/2
48" + 12"	63 3/4	15 3/4	59 1/2	31	51 1/4	44 3/4
48" + 18"	69 1/2	17 1/2	64 1/2	34	55 1/2	49
48" + 24"	75 1/4	19	69 3/4	37	59 3/4	53 1/4
48"+24"+12"	85 1/4	21 1/2	78 3/4	42 1/4	67	60 1/2
48" + 48"	98 1/2	25 1/4	90 1/2	49	76 3/4	70
6 INCH Ø						
NO LENGTH	9 1/2	1 1/4	11	3	12	5
6" Length	13 1/2	2 1/4	14 3/4	5	15	8
12" Length	19 1/4	4	19 3/4	8	19 1/4	12 1/4
18" Length	25 1/4	5 1/2	25	11	23 1/2	16 1/2
24" Length	31	7	30 1/4	14	27 3/4	20 3/4
36" Length	42 1/2	10	40 3/4	20	36 1/4	29 1/4
48" Length	54	13 1/4	51	26	44 3/4	37 3/4
48" + 12"	64	15 3/4	60	31 1/4	52	45
48" + 18"	69 3/4	17 1/2	65	34 1/4	56 1/4	49 1/4
48" + 24"	75 1/2	19	70 1/4	37 1/4	60 1/2	53 1/2
48"+24"+12"	85 1/2	21 3/4	79 1/4	42 1/4	67 3/4	60 3/4
48" + 48"	98 3/4	25 1/4	91	49 1/4	77 1/2	70 1/2
7 INCH Ø						
NO LENGTH	9 3/4	1 1/4	11 1/2	3	12 3/4	5 1/4
6" Length	13 3/4	2 1/2	15 1/4	5 1/4	15 3/4	8 1/4
12" Length	19 1/2	4	20 1/4	8 1/4	20	12 1/2
18" Length	25 1/2	5 1/2	25 1/2	11 1/4	24 1/4	16 3/4
24" Length	31 1/4	7	30 3/4	14 1/4	28 1/2	21
36" Length	42 3/4	10 1/4	41 1/4	20 1/4	37	29 1/2
48" Length	54 1/2	13 1/4	51 1/2	26 1/4	45 1/2	38
48" + 12"	64 1/4	16	60 1/2	31 1/4	52 3/4	45 1/4
48" + 18"	70	17 1/2	65 1/2	34 1/4	57	49 1/2
48" + 24"	75 3/4	19	70 3/4	37 1/4	61 1/4	53 3/4
48"+24"+12"	85 3/4	21 3/4	79 3/4	42 1/2	68 1/2	61
48" + 48"	99	25 1/4	91 1/2	49 1/4	78 1/4	70 3/4
8 INCH Ø						
NO LENGTH	10	1 1/4	12	3 1/4	13 1/2	5 1/2
6" Length	14	2 1/2	15 3/4	5 1/4	16 1/2	8 1/2
12" Length	19 3/4	4	20 3/4	8 1/4	20 3/4	12 3/4
18" Length	25 3/4	5 1/2	26	11 1/4	25	17
24" Length	31 1/2	7	31 1/4	14 1/4	29 1/4	21 1/4
36" Length	43	10 1/4	41 3/4	20 1/4	37 3/4	29 3/4
48" Length	54 3/4	13 1/4	52	26 1/4	46 1/4	38 1/4
48" + 12"	64 1/2	16	61	31 1/2	53 1/2	45 1/2
48" + 18"	70 1/4	17 1/2	66	34 1/2	57 3/4	49 3/4
48" + 24"	76 1/4	19	71 1/4	37 1/2	62	54
48"+24"+12"	86	21 3/4	80 1/4	42 1/2	69 1/4	61 1/4
48" + 48"	99 1/4	25 1/4	92	49 1/2	79	71

All measurements are in inches

Use this table when an 18 inch adjustable length is required.

LENGTH BETWEEN OFFSETS	15° Elbows		30° Elbows		45° Elbows	
	RISE	OFFSET	RISE	OFFSET	RISE	OFFSET
5 INCH Ø						
6" Length	23 - 28 3/4	5 - 6 1/2	22 3/4 - 28	10 - 13	21 1/2 - 25 3/4	14 3/4 - 19
12" Length	28 3/4 - 34 1/2	6 1/2 - 8	28 - 33 1/4	13 - 16	25 3/4 - 30	19 - 23 1/4
18" Length	34 1/2 - 40 1/4	8 - 9 1/2	33 1/4 - 38 1/2	16 - 19	30 - 34 1/4	23 1/4 - 27 1/2
24" Length	40 1/4 - 46 1/4	9 1/2 - 11	38 1/2 - 43 1/2	19 - 22	34 1/4 - 38 1/2	27 1/2 - 31 3/4
36" Length	52 - 57 3/4	12 3/4 - 14 1/4	48 3/4 - 54	25 - 28	42 3/4 - 47	36 - 40 1/4
48" Length	63 1/2 - 69 1/4	15 3/4 - 17 1/4	59 1/4 - 64 1/2	31 - 34	51 1/4 - 55 1/4	44 1/2 - 48 3/4
48" + 12"	73 1/2 - 79 1/4	18 1/2 - 20	68 - 73 1/4	36 - 39	58 1/4 - 62 1/2	51 3/4 - 56
48" + 18"	79 1/4 - 85	20 - 21 1/2	73 1/4 - 78 1/2	39 - 42	62 1/2 - 66 3/4	56 - 60 1/4
48" + 24"	85 - 90 3/4	21 1/2 - 23	78 1/2 - 83 3/4	42 - 45	66 3/4 - 71	60 1/4 - 64 1/2
48"+24"+12"	95 - 100 3/4	24 1/4 - 25 3/4	87 1/4 - 92 1/2	47 1/4 - 50 1/4	74 - 78 1/4	67 1/2 - 71 3/4
48" + 48"	108 1/4 - 114	27 3/4 - 29 1/4	99 1/4 - 104 1/2	54 - 57	83 3/4 - 88	77 1/4 - 81 1/2
6 INCH Ø						
6" Length	23 1/4 - 29	5 - 6 1/2	23 1/4 - 28 1/2	10 - 13	22 1/4 - 26 1/2	15 - 19 1/4
12" Length	29 - 34 3/4	6 1/2 - 8	28 1/2 - 33 3/4	13 - 16	26 1/2 - 30 1/2	19 1/4 - 23 1/2
18" Length	34 3/4 - 40 1/2	8 - 9 1/2	33 3/4 - 39	16 - 19	30 1/2 - 34 3/4	23 1/2 - 27 3/4
24" Length	40 1/2 - 46 1/2	9 1/2 - 11 1/4	39 - 44	19 - 22	34 3/4 - 39	27 3/4 - 32
36" Length	52 1/4 - 58	12 3/4 - 14 1/4	49 1/4 - 54 1/2	25 - 28	43 1/4 - 47 1/2	36 1/4 - 40 1/2
48" Length	63 3/4 - 69 1/2	15 3/4 - 17 1/4	59 3/4 - 65	31 - 34	51 3/4 - 56	44 3/4 - 49
48" + 12"	73 3/4 - 79 1/2	18 1/2 - 20	68 1/2 - 73 3/4	36 1/4 - 39 1/4	59 - 63 1/4	52 - 56 1/4
48" + 18"	79 1/2 - 85 1/4	20 - 21 1/2	73 3/4 - 79	39 1/4 - 42 1/4	63 1/4 - 67 1/2	56 1/4 - 60 1/2
48" + 24"	85 1/4 - 91	21 1/2 - 23	79 - 84 1/4	42 1/4 - 45 1/4	67 1/2 - 71 3/4	60 1/2 - 64 3/4
48"+24"+12"	95 1/4 - 101	24 1/4 - 25 3/4	87 3/4 - 93	47 1/4 - 50 1/4	74 3/4 - 79	67 3/4 - 72
48" + 48"	108 1/2 - 114 1/4	27 3/4 - 29 1/4	99 3/4 - 105	54 1/4 - 57 1/4	84 1/2 - 88 3/4	77 1/2 - 81 3/4
7 INCH Ø						
6" Length	23 1/2 - 29 1/4	5 - 6 1/2	23 3/4 - 29	10 1/4 - 13 1/4	22 3/4 - 27	15 1/4 - 19 1/2
12" Length	29 1/4 - 35	6 1/2 - 8	29 - 34 1/4	13 1/4 - 16 1/4	27 - 31 1/4	19 1/2 - 23 3/4
18" Length	35 - 40 3/4	8 - 9 1/2	34 1/4 - 39 1/2	16 1/4 - 19 1/4	31 1/4 - 35 1/2	23 3/4 - 28
24" Length	40 3/4 - 46 3/4	9 1/2 - 11 1/4	39 1/2 - 44 1/2	19 1/4 - 22 1/4	35 1/2 - 39 3/4	28 - 32 1/4
36" Length	52 1/2 - 58 1/4	12 3/4 - 14 1/4	49 3/4 - 55	25 1/4 - 28 1/4	44 - 48 1/4	36 1/2 - 40 3/4
48" Length	64 - 69 3/4	15 3/4 - 17 1/2	60 1/4 - 65 1/2	31 1/4 - 34 1/4	52 1/2 - 56 3/4	45 - 49 1/4
48" + 12"	74 - 79 3/4	18 1/2 - 20	69 - 74 1/4	36 1/4 - 39 1/4	59 3/4 - 64	52 1/4 - 56 1/2
48" + 18"	79 3/4 - 85 1/2	20 - 21 1/2	74 1/4 - 79 1/2	39 1/4 - 42 1/4	64 - 68 1/4	56 1/2 - 60 3/4
48" + 24"	85 1/2 - 91 1/4	21 1/2 - 23 1/4	79 1/2 - 84 3/4	42 1/4 - 45 1/4	68 1/4 - 72 1/2	60 3/4 - 65
48"+24"+12"	95 1/2 - 101 1/4	24 1/4 - 25 3/4	88 1/4 - 93 1/2	47 1/2 - 50 1/2	75 1/2 - 79 3/4	68 - 72 1/4
48" + 48"	108 3/4 - 114 1/2	27 3/4 - 29 1/4	100 1/4 - 105 1/2	54 1/4 - 57 1/4	85 1/4 - 89 1/2	77 3/4 - 82
8 INCH Ø						
6" Length	23 3/4 - 29 1/2	5 - 6 1/2	24 1/4 - 29 1/2	10 1/4 - 13 1/4	23 1/2 - 27 3/4	15 3/4 - 20
12" Length	29 1/2 - 35 1/4	6 1/2 - 8	29 1/2 - 34 3/4	13 1/4 - 16 1/4	27 3/4 - 32	20 - 24 1/4
18" Length	35 1/4 - 41	8 - 9 3/4	34 3/4 - 40	16 1/4 - 19 1/4	32 - 36 1/4	24 1/4 - 28 1/2
24" Length	41 - 47	9 3/4 - 11 1/4	40 - 45	19 1/4 - 22 1/4	36 1/4 - 40 1/2	28 1/2 - 32 3/4
36" Length	52 3/4 - 58 1/2	12 3/4 - 14 1/4	50 1/4 - 55 1/2	25 1/4 - 28 1/4	44 3/4 - 49	36 3/4 - 41
48" Length	64 1/4 - 70	15 3/4 - 17 1/2	60 3/4 - 66	31 1/4 - 34 1/4	53 1/4 - 57 1/2	45 1/4 - 49 1/2
48" + 12"	74 1/4 - 80	18 1/2 - 20	69 1/2 - 74 3/4	36 1/2 - 39 1/2	60 1/2 - 64 3/4	52 1/2 - 56 3/4
48" + 18"	80 - 85 3/4	20 - 21 3/4	74 3/4 - 80	39 1/2 - 42 1/2	64 3/4 - 69	56 3/4 - 61
48" + 24"	85 3/4 - 91 1/2	21 3/4 - 23 1/4	80 - 85 1/4	42 1/2 - 45 1/2	69 - 73 1/4	61 - 65 1/4
48"+24"+12"	95 3/4 - 101 1/2	24 1/4 - 25 3/4	88 3/4 - 94	47 1/2 - 50 1/2	76 1/4 - 80 1/2	68 1/4 - 72 1/2
48" + 48"	109 - 114 3/4	27 3/4 - 29 1/2	100 3/4 - 106	54 1/2 - 57 1/2	86 - 90 1/4	78 - 82 1/4

All measurements are in inches