

DuraTech[®] Premium

High Temperature, 2" Insulated
Double-Wall, All-Fuel Chimney System.
ULC S629, UL 103HT.



Specifications

Applications

DuraTech Premium is a double-wall, all fuel chimney system for use with wood stoves; fireplaces; and appliances burning wood, oil, gas, or coal.

Materials and Construction

2" of Mineral Fiber insulation encased between inner and outer walls of .016" Stainless Steel.

Clearances

2" clearance to combustibles.

Diameters

6", 7", 8"

Listings

Listed to UL 103HT and ULC S629 by Intertek.



ULC S629 and UL 103HT System

DuraTech Premium

DuraTech Premium's twist-lock feature allows you to assemble DuraTech Premium quickly and precisely without the need for locking bands.

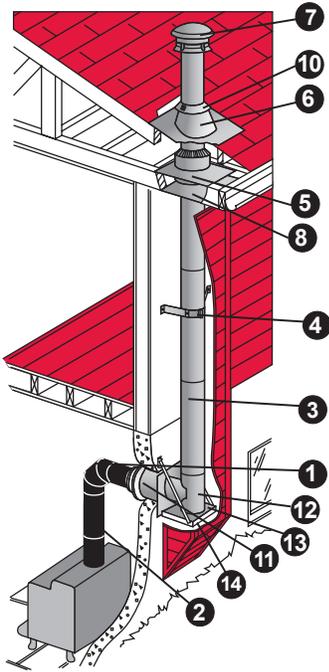
Designed for normal, continuous operation up to 1200°F (650°C) flue gas temperatures. DuraTech Premium meets the rigorous and stringent requirements of the ULC S629 standard, including one hour at 1700°F (925°C), plus three thirty minute chimney fire tests at 2100°F (1150°C).



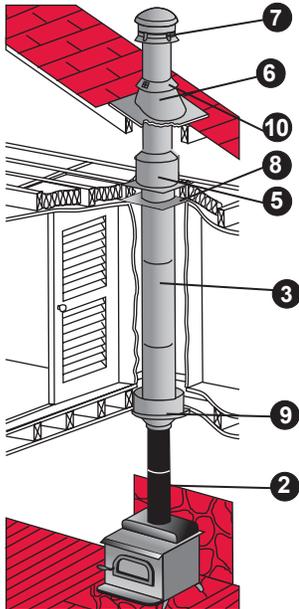
Typical Installations

- Refer to our Typical Venting Installation drawings to select the appropriate component parts for your installation.
- A Wall Thimble must be installed with an appropriate section of chimney pipe for all horizontal through-the-wall installations.
- DTP Reduced Clearance Ceiling Supports feature an integrated Attic Radiation Shield. It can be used in all installations that pass through an attic, regardless of whether the attic is insulated or not. Note: For Multi-Story applications, an Attic Radiation Shield must be purchased separately.
- A Firestop must be used when a chimney passes through a floor or ceiling without a ceiling support.

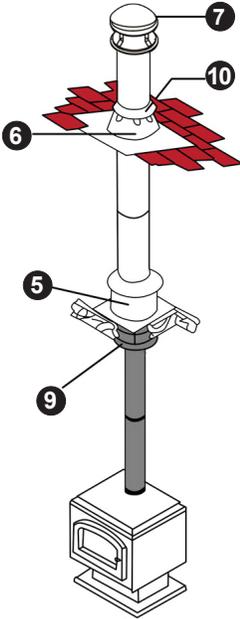
Installation Key			
1	Stove Pipe Elbow	8	Firestop
2	Black Stove Pipe	9	Finishing Support
3	Length	10	Storm Collar
4	Wall Band	11	Wall Thimble
5	Attic Radiation Shield	12	Insulated Tee
6	Adjustable Roof Flashing	13	Tee Support
7	Rain Cap	14	Clean-Out Tee Cap



Exterior installation to a wood stove



Multi-story Woodstove



2" Single-Story Woodstove

Planning Your Installation

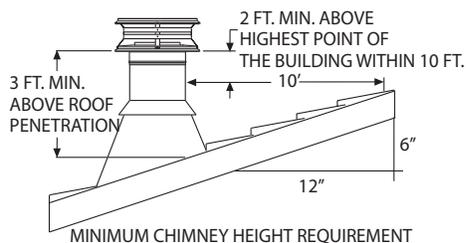


Figure 1

The following recommendations are a general guideline to assist in the layout and selection of the chimney components needed for your installation. Always follow DuraVent Installation instructions before installing your chimney system (enclosed with any support). Installation instructions can be viewed online at www.duravent.com under support > literature.

- The diameter of the chimney should match the outlet size of the appliance. An improperly sized chimney results in poor draft and excessive creosote formation.
- Measure the diameter of the appliance flue outlet. Select the chimney and either DVL or DuraBlack connector stovepipe with the same size diameter as the appliance flue outlet.
- Determine if the installation is a through-the-roof installation or a through-the-wall installation. A through-the-wall installation will require additional components (Wall Thimble, Tee/Cap, Tee Support, Wall Straps, Flue Extension, and Decor Collar).
- Install the chimney in the interior of the structure whenever possible. A cold exterior chimney will produce less draft and will generate more creosote.
- If possible avoid offsets that serve to restrict the natural draft. A straight vertical installation is more efficient and less likely to develop creosote. If an offset is required to avoid rafters or other obstructions, measure the horizontal distance required and the vertical height available. 15°, 30° and 45° elbows are available. (Note: 45° elbows are only allowed in Canada. The maximum angle allowed in the U.S. is 30°.) A maximum of two offsets (four elbows) in a single installation are permitted. At least one suitable support if required for each offset.
- Determine the minimum chimney height above the roof line. Building codes require a minimum of 3' above the roof penetration and at least 2' higher than any portion of a building within 10'. See Figure 1. The termination cap is installed above that point. If chimney is more than 5' above the roof penetration a Roof Brace is required.
- Measure the roof pitch. For example, a 6/12 pitch has a vertical rise of 6" over a horizontal distance of 12". Select the appropriate flashing.
- Determine the total length of chimney and stovepipe required for the installation. To calculate the installed length of 6"-8" DuraTech Premium chimney pipe, subtract 1" per joint. Subtract 1 1/4" per joint of DuraBlack stovepipe. Subtract 3/4" per joint of DVL stovepipe. Minimum chimney height, at sea level, of straight vertical chimney, is 10' to 15' above the appliance outlet. Higher elevations, or the use of elbows or a tee, will require approximately 30% to 60% more height to provide for an adequate draft.
- Be fire safe. Maintain at least 2" clearance to combustibles. Follow local building codes and have your chimney inspected by a certified professional.

Wall Support Kit



Kit includes: Insulated Tee, Twist-Lock Tee Cap, Wall Support, Insulated Wall Thimble, Flue Extension, DVL Double Wall Decorative Collar, Wall Band, and Rain Cap.

SIZE	6"
ORDER #	6DTP-WSK

Interior Installation Kit



Kit includes: Finishing Support with Coupler, 2 piece Adjustable Insulated Attic Radiation Shield, and Rain Cap.

SIZE	6"
ORDER #	6DTP-1K

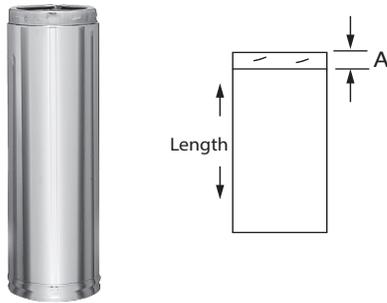
Exterior Installation Kit



Kit includes: Insulated Wall Thimble, Flue Extension, for use with DVL Double Wall Decorative collar or stove pipe, Decorative Collar, Tee & Tee Cap, Adjustable Tee Support, Wall Strap, and Vertical Cap with Spark Arrester.

SIZE	6"
ORDER #	6DTP-EK

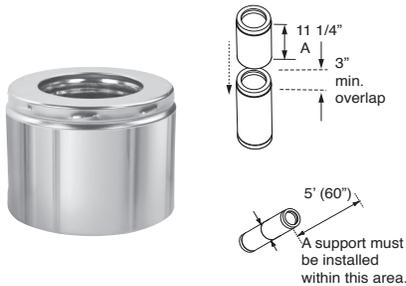
Chimney Length



Stainless steel inner and outer walls. Available in 8", 12", 18", 24", 36", 48" lengths.

SIZE	6"	7"	8"
A	1"		
ORDER #	6DTP-08	7DTP-08	8DTP-08
8"	6DTP-12	7DTP-12	8DTP-12
12"	6DTP-18	7DTP-18	8DTP-18
18"	6DTP-24	7DTP-24	8DTP-24
24"	6DTP-36	7DTP-36	8DTP-36
36"	6DTP-48	7DTP-48	8DTP-48
48"			

Adjustable Length



Used in combination with straight insulated lengths, the adjustable length makes it possible to fit a length perfectly, either vertically, horizontally, or at an angle. **IMPORTANT:** The adjustable length is not designed as a load bearing component. Its vertical installation requires an appropriate support on the section above it to bear the weight of the remaining installation.

SIZE	6"	7"	8"
A	11 1/4"	11 1/4"	11 1/4"
ORDER #	6DTP-ADJ	7DTP-ADJ	8DTP-ADJ

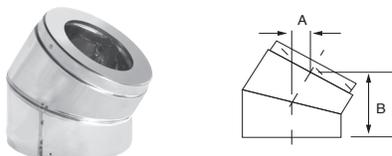
15° Insulated Elbow



Allows the 15° offset of a chimney. Designed to bypass an obstacle, such as a joist. A maximum of two offsets (4 elbows) is allowed.

SIZE	6"	7"	8"
A	5/8"	5/8"	5/8"
B	4 3/4"	4 3/4"	4 3/4"
ORDER #	6DTP-15E	7DTP-15E	8DTP-15E

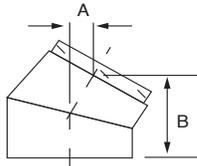
30° Insulated Elbow



Allows the 30° offset of a chimney. Designed to bypass an obstacle, such as a joist. A maximum of two offsets (4 elbows) is allowed.

SIZE	6"	7"	8"
A	1 15/16"	1 15/16"	1 15/16"
B	7 5/16"	7 5/16"	7 5/16"
ORDER #	6DTP-30E	7DTP-30E	8DTP-30E

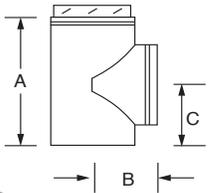
45° Insulated Elbow



Allows the 45° offset of a chimney. Designed to bypass an obstacle, such as a joist. A maximum of two offsets (4 elbows) is allowed. The chimney's angle of inclination must not deviate more than 45° from the vertical position.

SIZE	6"	7"	8"
A	3"	3"	3
B	6 7/8"	6 7/8"	6 7/8"
ORDER #	6DTP-45E	7DTP-45E	8DTP-45E

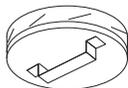
Insulated Tee



Located at the base of the chimney, it provides the horizontal connection to the appliance. An insulated Tee Cap (TC) is included.

SIZE	6"	7"	8"
A	13 1/4"	13 1/4"	13 1/4"
B	7"	7 1/2"	8"
C	7"	7 1/2"	8"
ORDER #	6DTP-T	7DTP-T	8DTP-T

Twist-Lock Tee Cap



The twist-lock cap makes inspection access and servicing easy. Pick from Insulated or Non-Insulated version.

Use with clamp/collar style support.
Not compatible with DTP-ATSC Tee Support.

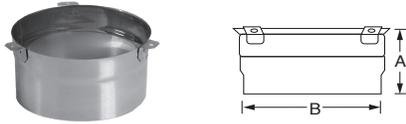
Insulated

SIZE	6"	7"	8"
ORDER #	6DTP-TCI	7DTP-TCI	8DTP-TCI

Non-Insulated

SIZE	6"	7"	8"
ORDER #	6DTP-TCC	7DTP-TCC	8DTP-TCC

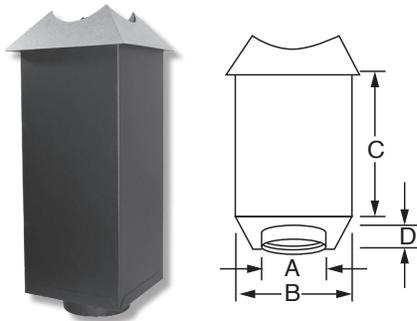
Flue Extension



Used to make the transition from insulated chimney to stovepipe in a through-the-wall installation and within certain cathedral ceiling applications. Refer to installation instructions for more details.

SIZE	6"	7"	8"
A	3"	3"	3"
B	5 7/8"	6 7/8"	7 7/8"
ORDER #	6DTP-AD	7DTP-AD	8DTP-AD

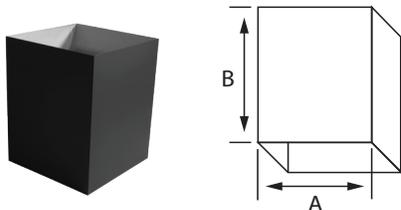
Insulated Reduced Clearance Square Support



Use with flat, vaulted, or cathedral ceiling. Certified to reduce clearances from 2" to just 1" for any portion of chimney shielded within the support box. Note: Any exposed chimney above the support still requires minimum 2" clearances-to-combustibles. Reduced clearance allows for smaller opening & frame within ceiling. Support can also serve as the Attic Radiation Shield. Includes top collar as shown, insulation, and two-piece adjustable black finish trim. Integrated adapter accepts either single-wall or double-wall stovepipe.

SIZE	6"	7"	8"
A	6"	7"	8"
B	12"	13"	14"
C	24"	24"	24"
D	2"	2"	2"
ORDER #	6DTP-RCS	7DTP-RCS	8DTP-RCS

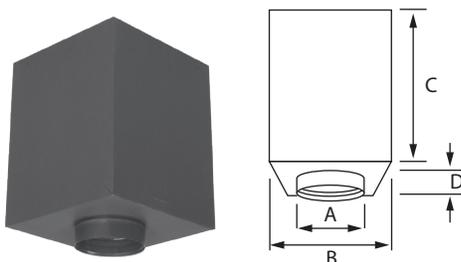
Reduced Clearance Square Support Extension



This part is designed to extend the height of the Insulated Reduced Clearance Support by 22".

SIZE	6"	7"	8"
A	12"	13"	14"
B	24"	24"	24"
ORDER #	6DTP-SE	7DTP-SE	8DTP-SE

Square Cathedral Ceiling Support

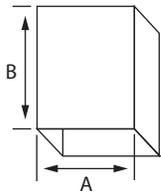


This support is used with a chimney that is passing through an angled (cathedral) ceiling. Fits between standard 16"-on center joists. Designed to connect to both double-wall and single-wall stove pipe. An adjustable black finish trim is included.

Note: Where attic is located immediately above this support, an attic radiation shield is required.

SIZE	6"	7"	8"
A	6"	7"	8"
B	14 3/8"	14 3/8"	14 3/8"
C	24"		
D	2"		
ORDER #	6DTP-CS24	7DTP-CS24	8DTP-CS24

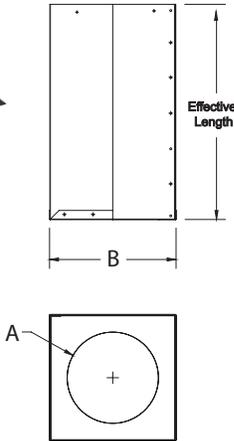
Square Cathedral Ceiling Support Extension



Use to extend the height of the Cathedral Support by up to 22".

SIZE	6"	7"	8"
A	14 3/8"	14 3/8"	14 3/8"
B	24"		
ORDER #	DTP-SE24		

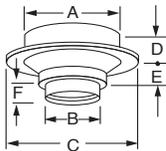
Pass-Through Radiation Shield



Use when insulated chimney passes up through a ceiling penetration from below. Suited for flat, vaulted, or cathedral applications. Integrated Firestop on bottom. Top can serve as an Attic Radiation Shield where required. Factory insulation and square-to-round collar are included. Effective height (length) with standard extension is adjustable from 24" up to maximum of 46".

SIZE	6"	7"	8"
A	10 3/16"	11 3/16"	12 3/16"
B	14" x 14"	15" x 15"	16" x 16"
ORDER #	6DTP-SRSE	7DTP-SRSE	8DTP-SRSE

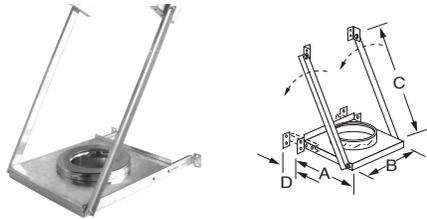
Round Finishing Support



Round support for use with flat ceilings. Fits within frame built in 16"-on-center joists. Integrated adapter accepts either single-wall or double-wall stove pipe.

SIZE	6"	7"	8"
A	14 3/8"	14 3/8"	14 3/8"
B	6"	7"	8"
C	20"	20"	20"
D	5 1/2"	5 1/2"	5 1/2"
E	3"	3"	3"
F	2"	2"	2"
ORDER #	6DTP-SFC	7DTP-SFC	8DTP-SFC

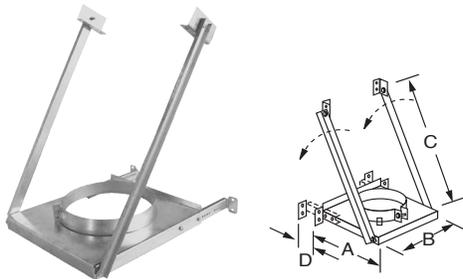
Adjustable Tee Support w/ Coupler



Use to support insulated tee on though-wall chimney installation. Access for inspection and service is incorporated from the underside of this support. Adjustable arms and sliding base plate are factory-set to ensure minimum clearance of 2". Allows for 2" - 7" clearance to combustibles.

SIZE	6"	7"	8"
A	18"	18"	18"
B	14 1/2"	16"	16"
C	26 3/4"	26 3/4"	26 3/4"
D	0 to 5"	0 to 5"	0 to 5"
ORDER #	6DTP-ATSC	7DTP-ATSC	8DTP-ATSC

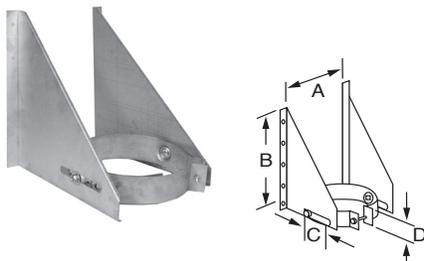
Adjustable Tee Support with Collar



Use to support insulated tee on though-wall chimney installation. For installation versatility and convenience, tee can be placed above or below the support. Must be paired with twist-lock tee cap. Can also be used as a wall support or re-support. Adjustable arms and sliding base plate are factory-set to ensure minimum clearance of 2". Allows for 2" - 7" clearance to combustibles.

SIZE	6"	7"	8"
A	15 1/2"	15 1/2"	15 1/2"
B	15"	15"	15"
C	26 3/4"	26 3/4"	26 3/4"
D	0 to 5"	0 to 5"	0 to 5"
ORDER #	6DTP-ATS	7DTP-ATS	8DTP-ATS

Wall Support

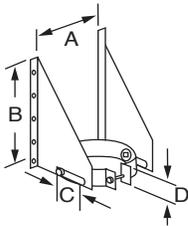


This load-bearing Wall Support can be used instead of a Wall Band. It can also be used as a Tee Support, Offset Support, or Resupport. Factory-set to ensure minimum 2" clearances. Horizontal adjustment slot allows for up to 6" of clearance.

SIZE	6"	7"
A	11 1/2"	12 1/2"
B	11 1/2"	11 1/2"
C	4"	4"
D	3"	3"
ORDER #	6DTP-WS	7DTP-WS

Offset Support

(UNIVERSAL)

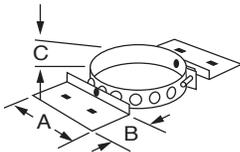


Similar to the Wall Support, but universal. Adjustable collar can be set to work with 6", 7", or 8" pipe. Factory-set to ensure minimum 2" clearances. Horizontal adjustment slot allows for up to 4" of clearance.

SIZE	6"	7"	8"
A	11 1/2"	12 1/2"	13 1/2"
B	12"		
C	2"		
D	2"		
ORDER #	DTP-URES		

Roof Support

(UNIVERSAL)

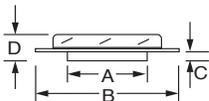


The roof support is versatile. A universal collar allows it to fit 6, 7" and 8" chimney. It is typically used to support a chimney at the roof-deck. The mounting brackets easily adjust to suit any pitch. It can also be used as a re-support when placed upon a floor or mounted to a ceiling; or as offset support. Please refer to instructions for more details.

SIZE	6"	7"	8"
A	8"	8"	8"
B	4"	4"	4"
C	2"	2"	2"
ORDER #	DTP-RS		

Anchor Plate

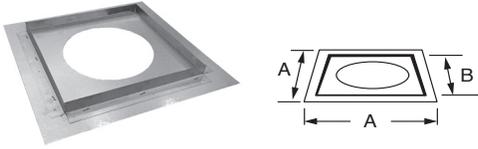
Attach to the top of a fireplace or other approved appliance to enable proper connection of the chimney.



SIZE	6"	7"	8"
A	6"	6"	6"
B	14"	14"	14"
C	2"	2"	2"
D	3"	3"	3"
ORDER #	6DTP-AP	7DTP-AP	8DTP-AP

Firestop

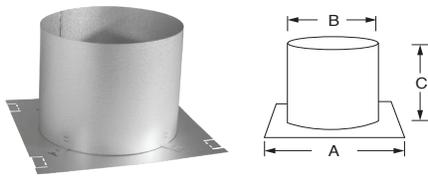
Use as per instructions to provide protection at underside of a ceiling penetration.



SIZE	6"	7"	8"
A	16"	18"	18"
B	14"	15"	16"
ORDER #	6DTP-FS	7DTP-FS	8DTP-FS

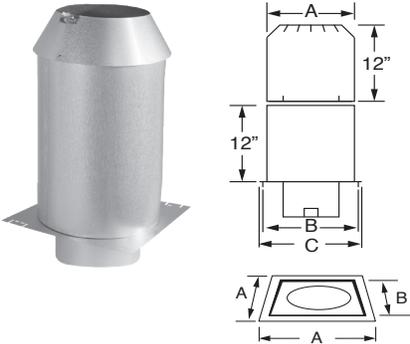
Radiation Shield

Can be used as an alternative to the standard Firestop (FS). This version includes a Radiation Shield. May be required by some appliance manufacturers.



SIZE	6"	7"	8"
A	16"	18"	18"
B	13"	14"	15"
C	10"	10"	10"
ORDER #	6DTP-RS	7DTP-RS	8DTP-RS

Two-Piece Adjustable Insulated Attic Radiation Shield

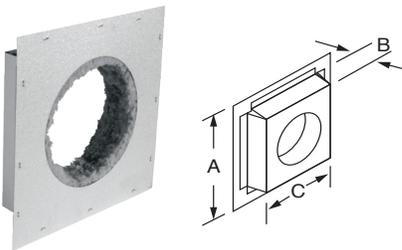


Two-piece telescoping shield adjusts from 12" up to 22" height to accommodate deeper insulation. Shield is insulated, and comes with collar shown.

Note: In cold climates, the taller adjustable shield is required to accommodate deeper insulation.

SIZE	6"	7"	8"
A	14"	15"	16"
B	14"	15"	16"
C	16"	18"	18"
ORDER #	6DTP-AARS	7DTP-AARS	8DTP-AARS

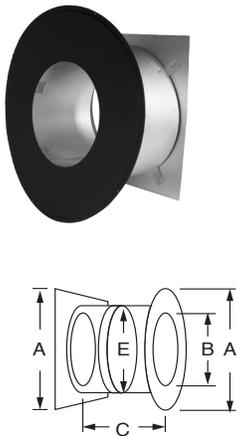
Insulated Radiation Shield



This insulated version of our firestop can be used to minimize heat-loss and cold air intrusion. Like the standard firestop, this part installs at the ceiling. An attic radiation shield is installed from above. Recommended for use with chimney installed in colder regions.

SIZE	6"	7"	8"
A	16"	18"	18"
B	3"	3"	3"
C	13"	14"	14"
ORDER #	6DTP-WRSI	7DTP-WRSI	8DTP-WRSI

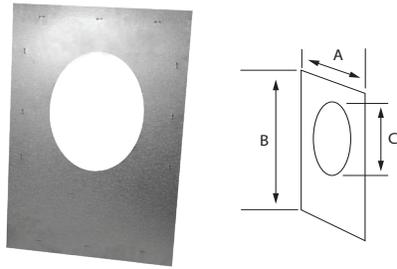
Insulated Wall Thimble



Designed to protect surrounding combustible materials when a chimney passes through a wall. Thimble can be trimmed to work with wall thicknesses from 7" up to 12 1/2". Includes painted Decorative Collar for interior finish. Insulated to prevent cold air intrusion.

SIZE	6"	7"	8"
A	20"	20"	20"
B	10 3/8"	11 3/8"	12 3/8"
C	7" to 12 1/2"		
D	16"	16"	18"
E	14"	15"	16"
ORDER #	6DTP-WTI	7DTP-WTI	8DTP-WTI

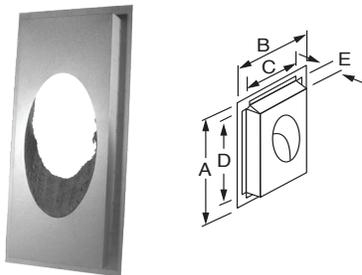
30° Angled Firestop



This angled firestop is to be used only with a wood-burning fireplace.

SIZE	6"	7"	8"
A	17 3/8"	18 3/8"	19 3/8"
B	39 1/4"	41 1/4"	43 5/16"
C	15 5/16"	16 5/16"	17 1/16"
ORDER #	6DTP-FS30	7DTP-FS30	8DTP-FS30

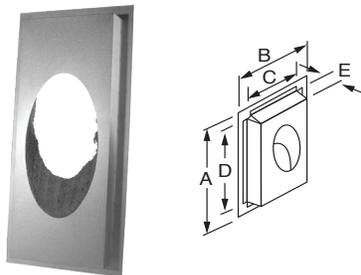
30° Insulated Wall Radiation Shield



This part is to be used only with a wood-burning fireplace that has been certified for use with the chimney. It has been designed for use when the chimney passes through a wall at an angle.

SIZE	6"	7"	8"
A	40 1/16"	42 3/4"	44 13/16"
B	16 7/8"	17 7/8"	18 7/8"
C	18 7/8"	19 7/8"	20 7/8"
D	38 3/4"	40 3/4"	42 13/16"
E	3"	3"	3"
ORDER #	6DTP-WRSI30	7DTP-WRSI30	8DTP-WRSI30

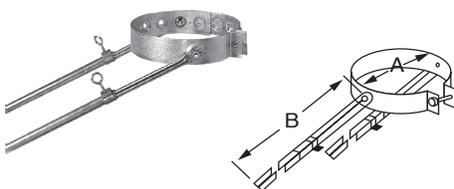
45° Insulated Wall Radiation Shield



This part is to be used only with a wood-burning fireplace that has been certified for use with the chimney. It has been designed for use when the chimney passes through a wall at an angle.

SIZE	6"	7"	8"
A	29 1/2"	30 3/8"	32"
B	17 1/8"	17 7/8"	18 7/8"
C	19 1/8"	19 7/8"	20 7/8"
D	27 1/2"	28 5/8"	30"
E	3"	3"	3"
ORDER #	6DTP-WRSI45	7DTP-WRSI45	8DTP-WRSI45

Roof Brace (UNIVERSAL)

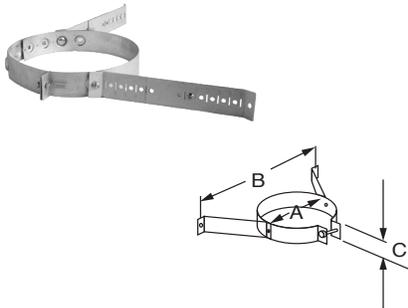


Use to stabilize a chimney. Required when 5 Feet of chimney or more extends above the roof-line. The collar on this universal design can be adjusted to fit 6", 7", or 8" chimney. Leg length is also adjustable from 60" to 115".

Note: Not intended to provide protection against sliding ice or snow on a metal roof.

SIZE	6"	7"	8"
A	10"	11"	12"
B	60" to 115"		
ORDER #	DTP-XRSU		

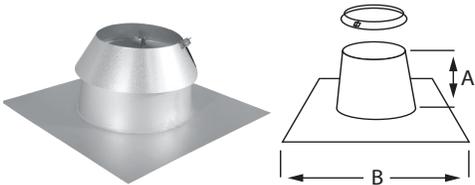
Wall Band (UNIVERSAL)



Designed for use on an interior or exterior wall, it serves to add lateral stability for a chimney while maintaining required clearances from the wall's surface. The use of wall bands at intervals of 8' is recommended.

SIZE	6"	7"	8"
A	10"	11"	12"
B	25"	27"	29"
C	2"	2"	2"
ORDER #	8DTP-AWBU		

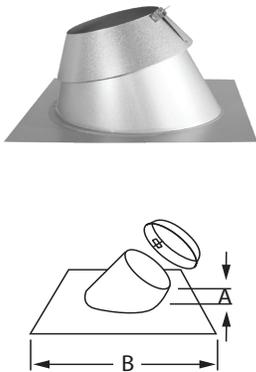
Flat Roof Flashing



Galvanized Flat Roof Flashing. Storm collar included.

SIZE	6"	7"	8"
A	7 1/2"	7 1/2"	7 1/2"
B	24"	24"	24"
ORDER #	6DTP-FF	7DTP-FF	8DTP-FF

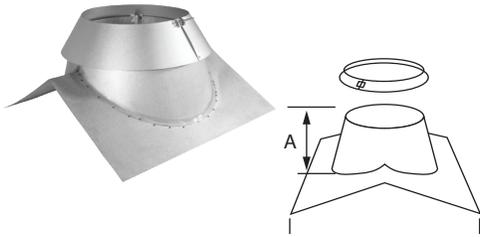
Adjustable Roof Flashing



Galvanized Adjustable Roof Flashing. Choose from five different versions to match roof pitch. Storm collar is included. Aluminum malleable base (Dead-Soft) flashing also offered in 1/12 - 7/12 and with 8/12-12/12 pitch.

SIZE		6"	7"	8"
1/12 - 7/12	A	6"		
	B	24"		
	ORDER #	6DTP-F7	7DTP-F7	8DTP-F7
1/12 - 7/12 Aluminum Malleable	A	6"		
	B	36"		
	ORDER #	6DTP-F7DSA	7DTP-F7DSA	---
8/12 - 12/12	A	3 7/8"	3 7/8"	4 1/2"
	B	24"	24"	30"
	ORDER #	6DTP-F12	7DTP-F12	8DTP-F12
8/12 - 12/12 Aluminum Malleable	A	4 5/8"		
	B	36"		
	ORDER #	6DTP-F12DSA	7DTP-F12DSA	---
12/12 - 21/12	A	6 1/4"	6 1/4"	6 1/4"
	B	36"	40"	42"
	ORDER #	6DTP-F21	7DTP-F21	8DTP-F21

Peak Roof Flashing



Galvanized peak roof flashing. Choose from two different versions to match roof pitch. Comes with storm collar.

PEAK ROOF SIZE		6"	7"	8"
1/12 - 7/12	A	3 5/8"	3 5/8"	3 5/8"
	B	13 1/2"	14"	15"
	ORDER #	6DTP-FP7	7DTP-FP7	8DTP-FP7
8/12 - 12/12	A	3 1/2"	3 1/2"	3 1/2"
	B	14"	14"	14"
	ORDER #	6DTP-FP12	7DTP-FP12	8DTP-FP12

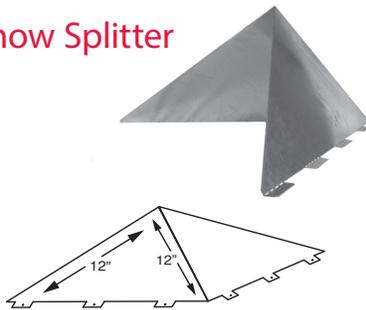
Storm Collar



Collar fits over flashings to help prevent water intrusion. Generous shoulder width ensures effective protection in all climates when installed as directed. Included with all roof flashing. Same collar is also used with Attic Radiation Shields

SIZE	6"	7"	8"
A	5"	5"	5"
ORDER #	6DTP-SC	7DTP-SC	8DTP-SC

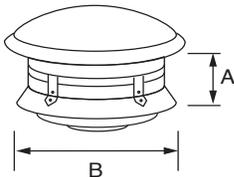
Snow Splitter



Ships flat, and folds easily on the job site. Includes 8 fastening flanges (4 on each side) for mounting. Made with heavy 14 gauge galvanized steel. Fits all diameters.

SIZE	6"	7"	8"
ORDER #	DTP-SP		

Rain Cap

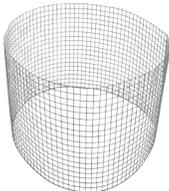


Attached to the top of the chimney, it effectively prevents rain, snow and leaves from entering the opening. The universal attachment feature allows to fit any one inch or two inch wall thickness chimney.

Note: Check local codes to determine if a spark arrester is required.

SIZE	6"	7"	8"
A	4"	4"	4 3/4"
B	12 1/4"	12 1/4"	15 1/2"
ORDER #	6DTP-VC	7DTP-VC	8DTP-VC

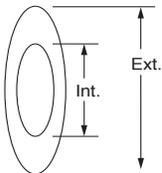
Universal Spark Arrester Band



This band is wrapped around the rain cap. Its purpose is to help prevent burning embers from escaping. As an added benefit, it keeps birds and other small animals from entering the chimney. Mesh must be cut to suit cap.

SIZE	6"	7"	8"
ORDER #	DTP-SA		

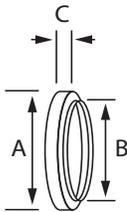
Trim Collar



The optional decorative Trim Collar can be used to help provide a professional finish around the chimney when passing through a non-combustible wall.

SIZE	6"	7"	8"
ORDER #	6DTP-TRC	7DTP-TRC	8DTP-TRC
Int.	8 1/4"	9 1/2"	10 3/8"
Ext.	17"	21"	21"

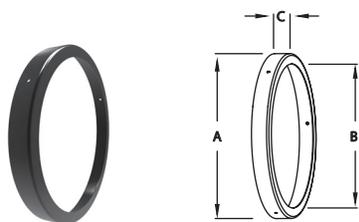
Decorative Collar Single-Wall



This component provides finish between the chimney and single-wall stove pipe connection.

SIZE	6"	7"	8"
A	10"	11"	12"
B	6 1/8"	7 1/8"	8 1/8"
C	1"	1"	1"
ORDER #	6DTP-DC	7DTP-DC	8DTP-DC

Decorative Collar for DVL Connector



This component provides finish between the chimney and double-wall DVL stove pipe connection.

SIZE	6"	7"	8"
A	10 1/8"	11 1/8"	12 1/8"
B	7 1/8"	8 1/8"	9 1/8"
C	7/8"		
ORDER #	6DTP-DVL	7DTP-DVL	8DTP-DVL