

SINGLE WALL CONSTRUCTION RIGID CHIMNEY LINER

METALLIC CHIMNEY LINER SYSTEMS

TECHNICAL DATA AND PARTS SELECTION



Models CBI and CBH

Commerical/Industrial

Stainless Steel Single Wall Construction

CONTENTS

SECTION A

- LISTING AND APPLICATIONS 4

SECTION B

- FEATURES AND BENEFITS 5

SECTION C

- TECHNICAL DATA 6

SECTION D

- COMPONENTS

Lengths.....	7
Tees.....	8
Elbows.....	9
Fittings.....	10
Supports.....	12
Guide.....	12
Firestop.....	13
Bands.....	13
Collars.....	14
Terminations.....	14
Flashings.....	16

SECTION E

- INSTALLATION..... 17

LISTING AND APPLICATIONS

LISTINGS

Cleaver-Brooks venting systems models CBI and CBH are listed by Underwriters Laboratories inc. (UL) under file MH46608 and tested in accordance with UL 1777 standart for chimney liners and the Canadian Standard ULC-S635, standard for Lining Systems for Existing Masonry or Factory Built Chimneys and Vents. Listings include the following chimney product categories and diameters. Also, Model CBH is listed under file MH10081 and tested in accordance with UL1738 and ULC-S636 for venting categories II, III, IV appliance.



UL 1777 AND ULC-S635

CATÉGORIES	MODELS	TEMPERATURE	SIZE
I	CBI, CBH	570°F	6" to 24"
I, II, III, IV	CBH	550°F	6" to 48"

APPLICATIONS

Chimney Liners Listing (Category I, for oil and gas) – Under this category, model CBI and CBH liner have been determined suitable for field-installation into new or existing masonry chimneys and used to vent gas-fired and oil-fired appliances in which the maximum continuous flue-gas outlet temperature do not exceed 570°F (300°C). They also complies with test at 1700°F (925 °C) temperature for 10 minutes.

Also, model CBH chimney liner system sizes 6" to 48" diameter, can be used in masonry chimneys to vent Category II, III, IV gas and oil fired appliances where the vent gas temperature at the appliance outlet does not exceed 550°F (288°C)

In United-States, Models CBI and CBH chimney liners are primarily intended to be installed in new or existing masonry chimneys with or without a liner of fire-clay tile, or to be used as a substitute for masonry fire-clay tile flue liners in new chimneys.

In Canada, Models CBI and CBH chimney liners are primarily intended to be installed in existing masonry chimneys with or without a liner of fire-clay tile, or factory-built chimneys and vents.

	CBI	CBH
UL103	No*	No
UL1738	No	Yes
UL1777	Yes	Yes

* Model CBI was tested with success for positive pressure up to 60 water column under UL-103 section 22A

DESIGN AND SPECIFICATION

DESIGN

All our single wall chimney systems are part of a large family of CBI (Industrial Positive Pressure) and CBH (High Efficiency Pressure) products for industrial and commercial applications. The components of each model are made using the same continuous laser welding stainless steel inner wall. Since all components have the same male and female ends, the parts of all models fit into one another, thus eliminating the need for all kinds of adapters and providing an incomparable flexibility in selecting models of flues and chimneys.



CBI: Single wall

CBH: Single wall

This unique method for joining components together is very efficient either in horizontal or in vertical installations. Our simple jointing concept along with the wide variety of components and accessories allows for a quick and simple installation, thus permitting you to save both time and money.

Cleaver-Brooks is proud of their industrial positive pressure piping systems. Recognized for being high quality products, they are also the easiest to install on the market!

These chimney systems are designed for exhaust of combustion gases, under positive, negative or neutral pressure, emanating from a variety of appliances including but not limited to:

- Boiler Negative and Positive Pressure
- High efficiency boilers
- High efficiency water heaters

Models CBI and CBH provide a wide variety of components and accessories, suitable for all kinds of site conditions, thus allowing for quick and simple installation. Each component is packed and shipped complete, with (1) one assembly band and (1) one finishing band for those having female ends. Sufficient tubes of appropriate sealant are also included in the shipment for completing the assembly.

SAMPLE SPECIFICATION (Lining system)

The chimney and flue must meet UL (Underwriters Laboratories inc.) and c-UL (Underwriters Laboratories of Canada Inc.) standards and carry the appropriate approval labels. The maximum temperature must be 570°F (300°C) for continuous operation.

The chimney and flue components must be of single wall construction and properly designed for positive pressure exhaust. Model CBI wall must be made of 20 gauge 304 or 316 stainless steel, with a continuous laser welding. Model CBH wall must be made of 24 gauge stainless steel as per UL1738, with a continuous laser welding. The jointing must be made using the assembly band, the finishing band and the appropriate sealing material, as supplied by the manufacturer.

All components must be installed according to the manufacturer recommendations and must meet the NFPA and local safety code requirements.

MATERIALS, WEIGHTS AND CLEARANCES

MODEL CBI

Wall: 316L or 304 2B stainless steel (20 ga-6”(152mm) to 24” diameter).

MODEL CBH

Wall : Stainless Steel as per UL1738 (24ga - 6”(305mm) to 48”(1219mm) diameter)

SUPPORTS & ACCESSORIES

Galvanized steel, hot-galvanized steel, 316 L or 304 2B stainless steel

COMPONENTS	MATERIALS	
	STANDARD	AVAILABLE
ASSEMBLY BAND	---	---
COLLARS, FLASHING	---	1 and 2
DRAIN SECTION	---	1 and 2
ELBOWS	---	---
EXHAUST CONE	---	---
FAN ADAPTER	---	---
FIRESTOP	3	1 and 2
INCREASER/REDUCER	---	---
LENGTHS, ADJUSTABLE LENGTH	---	---
RAIN CAP, CLOSURE SECTION	---	---
GUY WIRE BAND	1	2, 3 and 4
ROOF SUPPORT, GUIDING SPACER	---	---
TEES	---	---
TEE CAPS	---	---
WALL BAND, SUSPENSION BAND	3	1, 2 and 4
WALL/HORIZONTAL SUPPORTS	3	1, 2 and 4

1: 316 L stainless steel 2: 304 2B stainless steel 3: Galvanized steel 4: Hot-galvanized steel

WEIGHTS AND CLEARANCES

I.D.	CBI		CBH	
	Linear weight	Linear weight	Linear weight	Linear weight
in	lb/ft	kg/m	lb/ft	kg/m
6	3.4	5.0	2.3	3.4
8	4.5	6.7	3.0	4.5
10	5.7	8.4	3.8	5.6
12	6.8	10.1	4.5	6.7
14	7.9	11.8	5.3	7.9
16	9.0	13.5	6.0	9.0
18	10.2	15.1	6.8	10.1
20	11.3	16.8	7.6	11.2
22	12.4	18.5	8.3	12.4
24	13.6	20.2	9.1	13.5

Model and diameter	Air space location	
	Between masonry chimney exterior and combustible	Between masonry chimney interior and liner
CBI 6” to 24”	0”	1”
CBH 6” to 24”	0”	1”

LENGTHS

STRAIGHT LENGTHS • 48L • 36L • 24L • 12L

Available in 10 diameters from 6" to 24". Standard lengths: 48" (1219mm), 36" (914mm), 24" (610mm) and 12" (305mm).

Includes:

1 Assembly band (AB)

$K = 0.30 L/D$

Where L = Pipe length in feet
D = Pipe diameter in inches



CBI • CBH	
I.D.	
in	mm
6	152
8	203
10	254
12	254
14	356
16	406
18	457
20	508
22	559
24	610



CBI			CBH		
LENGTHS	EFFECTIVE LENGTHS "A"		LENGTHS	EFFECTIVE LENGTHS "A"	
in	in	mm	in	in	mm
12	11	279	12	11	279
24	23	584	24	23	584
36	35	889	36	35	889
48	47	1194	---	---	---

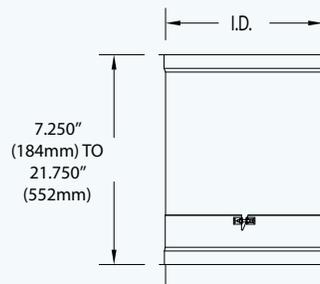
ADJUSTABLE LENGTH • AL

Used to complete on site installation precisely. It is not designed to compensate for linear expansion nor to support the vertical load of the chimney.

Includes:

1 Assembly band (AB)

K = Same as pipe length



TEES

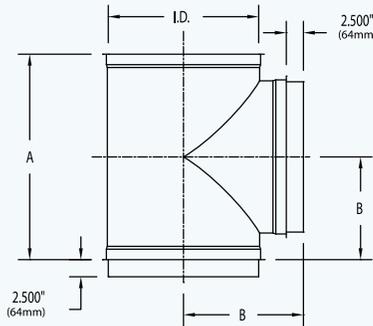
90° TEE • T90

For connection of vertical and horizontal lengths. May be used for the installation of a draft regulator at the point of connection between the flue and the appliance. A tee cap (TC) or drain-tee cap (DC) may be used to block one of the cleaning or drainage openings. Always use the T90 for CBH model.

Includes:

1 Assembly band (AB)

K = 1.25



CBI • CBH					
I.D.		A		B	
in	mm	in	mm	in	mm
6	152	13.000	330	6.500	165
8	203	15.000	381	7.500	191
10	254	17.000	432	8.500	216
12	305	19.000	483	9.500	241
14	356	21.000	533	10.500	267
16	406	23.000	584	11.500	292
18	457	25.000	686	12.500	318
20	508	27.000	686	13.500	343
22	559	29.000	737	14.500	368
24	310	31.000	787	15.500	394

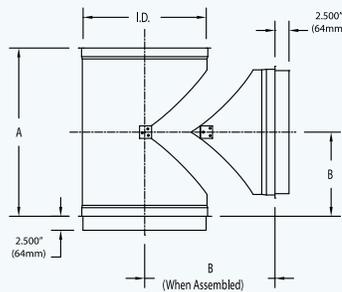
DETACHABLE 90° TEE • DT90

For connection of the horizontal breeching to the vertical lining, it is used only with CBI model to facilitate the installation in a masonry chimney.

Includes:

1 Assembly Band (AB)

K=1.25



CBI • CBH					
I.D.		A		B	
in	mm	in	mm	in	mm
6	152	13.000	330	6.500	165
8	203	15.000	381	7.500	191
10	254	17.000	432	8.500	216
12	305	19.000	483	9.500	241
14	356	21.000	533	10.500	267
16	406	23.000	584	11.500	292
18	457	25.000	686	12.500	318
20	508	27.000	686	13.500	343
22	559	29.000	737	14.500	368
24	310	31.000	787	15.500	394

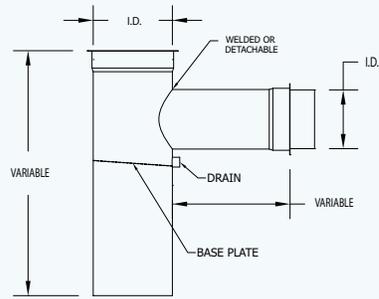
TEES AND ELBOWS

BASE TEE • BT

Also called clean-out 90° Tee, it is used as a base to support all the liner and to facilitate access for maintenance and inspection. It also has a drain to collect rainwater or water during cleaning. A tee cap (TC) is used to block the horizontal openings for easy access.

Includes:

- 1 Assembly Band (AB)



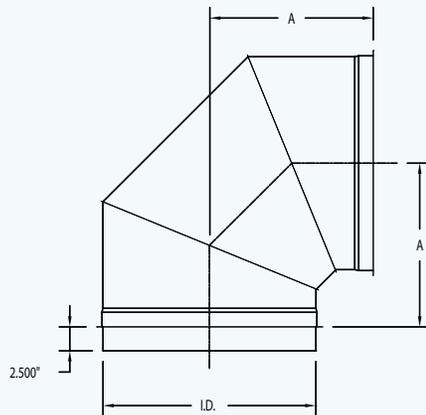
90° SHORT RADIUS ELBOW • E90

Used to change orientation of flue or chimney by 90°.

Includes:

- 1 Assembly band (AB)

K = 0.3



CBI • CBH			
I.D.		A	
in	mm	in	mm
6	152	12.328	313
8	203	13.328	339
10	254	14.328	364
12	305	15.328	389
14	356	16.328	415
16	406	17.328	440
18	457	18.328	466
20	508	19.328	491
22	559	20.328	516
24	610	21.328	542

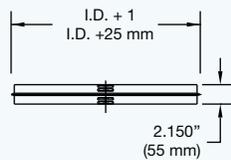
FITTINGS

ASSEMBLY BAND • AB

Used to assemble the inner walls of two components. Ensures sealing and rigidity of the system. To be used with a Low (LTS) or a High Temperature Sealant (HTS) (see assembly details).

Includes:

- 2 Hexagonal screws
- 2 Square nuts

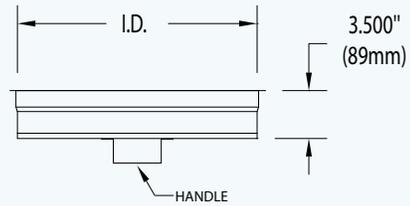


TEE CAP • TC

Used to block one of the openings of horizontal or vertical tee. Removable, it facilitates access for inspection and maintenance of the chimney.

Includes:

- 1 Assembly band (AB)

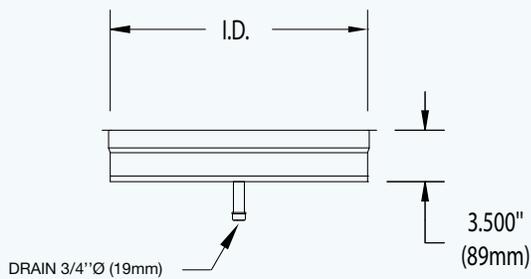


DRAIN-TEE CAP • DC

Used to cover one of the vertical openings of tee. For collection of rainwater or condensation water. Removable, it facilitates access for inspection and maintenance of the chimney. To be connected to a drain of 3/4"Ø (19mm) - NPT.

Includes:

- 1 Assembly band (AB)



FITTINGS

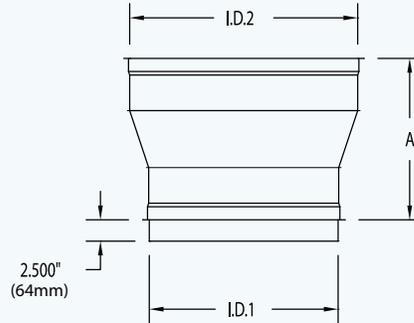
INCREASER • I

Used to increase the diameter of the flue or chimney. Specify the diameter of the inlet and outlet of the fitting.

Includes:

- 1 Assembly band (I.D. 2) (AB)
- 1 Finishing band (O.D. 2) (FB)

$$K = 0.5 \left(1 - \left(\frac{I.D.1}{I.D.2} \right)^2 \right)^2$$



Difference between I.D. 2 - I.D. 1	CBI • CBH Dim. A	
	in	mm
2	15.000	381
4	19.000	483
6	23.000	585
8	27.000	687
10	31.000	789

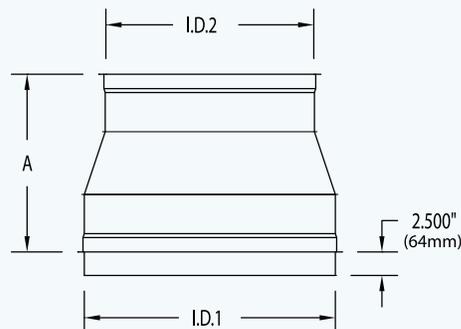
REDUCER • R

Used to reduce the diameter of the flue. Specify the diameter of the inlet and outlet of the fitting.

Includes:

- 1 Assembly band (I.D. 2) (AB)
- 1 Finishing band (O.D. 2) (FB)

$$K = 0.5 \left(1 - \left(\frac{I.D.1}{I.D.2} \right)^2 \right)^2$$



Difference between I.D. 2 - I.D. 1	CBI • CBH Dim. A	
	in	mm
2	15.000	381
4	19.000	483
6	23.000	585
8	27.000	687
10	31.000	789

SUPPORTS AND GUIDES

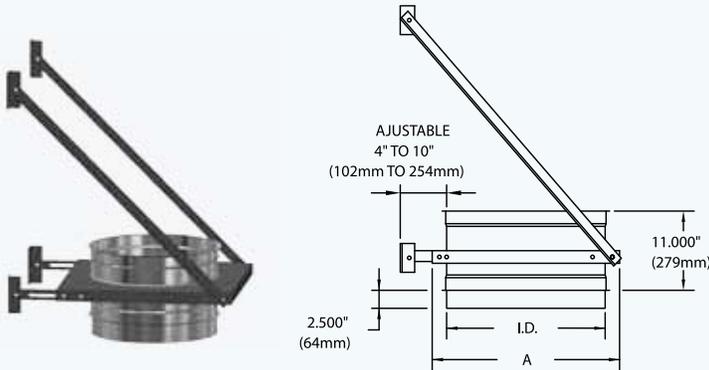
WALL SUPPORT • WS

Used to support the chimney in vertical runs. It keeps the chimney at an adjustable distance between 4" (102mm) and 10" (254mm) from the wall. The oblique braces may be attached to the wall either above or below the supporting surface.

Includes:

- 1 Assembly band (AB)
- 2 Adjustable angles
- 2 Braces
- 4 Wall brackets

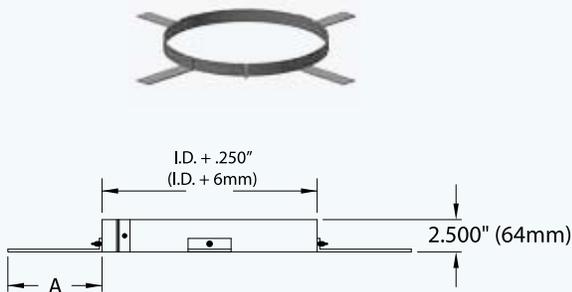
K = Same as pipe length



CBI • CBH			
I.D.		A	
in	mm	in	mm
6	152	10.000	254
8	203	12.000	305
10	254	14.000	356
12	305	16.000	406
14	356	18.000	457
16	406	20.000	508
18	457	22.000	559
20	508	24.000	610
22	559	26.000	660
24	610	28.000	711

ROOF SUPPORT • RS

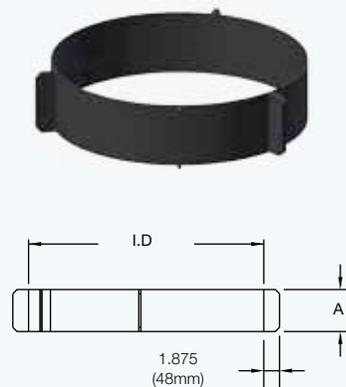
Used to support and guide the portion of the chimney which extends to the roof. It is attached to the roof curb by means of four (4) angles. It keeps a minimum distance between the chimney and combustible materials at the roof.



CBI • CBH			
I.D.		A	
in	mm	in	mm
6" to 14"	152 to 356	5.250	133
16" to 22"	406 to 559	7.250	184
24"	610	9.250	235

GUIDING SPACER • GS

Used to guide the flue or the chimney against the inner wall of the sleeves it passes through. It holds the chimney at a distance of 2" (51mm) from the wall firestop (WFS), insulated wall firestop (IFS) or an insulated sleeve (IS).

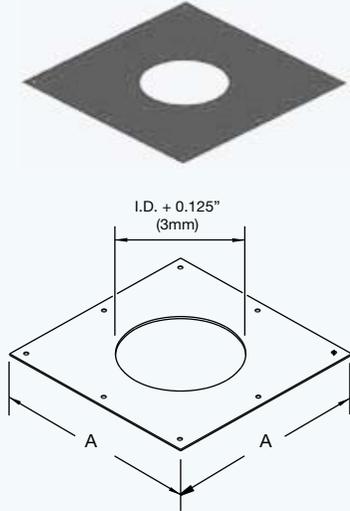


CBI • CBH			
I.D.		A	
in	mm	in	mm
6" to 16"	152 to 406	4.000	102
18" to 24"	457 to 610	6.000	152

FIRESTOP AND BANDS

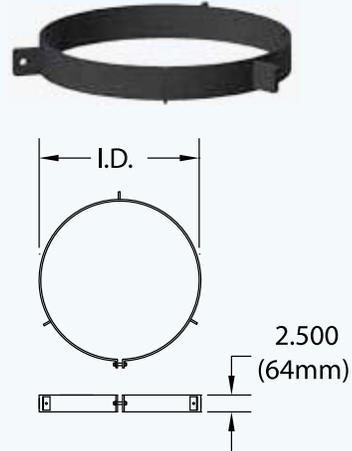
FIRESTOP • FS

Used to keep space between any combustible material of a wall, where a flue or chimney penetrates.



GUY WIRE BAND • GWB

Used to stabilize a chimney laterally where it extends more than 10'-0" (3048mm) above the roof or for locations exposed to strong winds. It is attached to the chimney and is designed to receive 3 guy wires 120° apart (not included). It may be manufactured to receive 4 guy wires 90° apart.

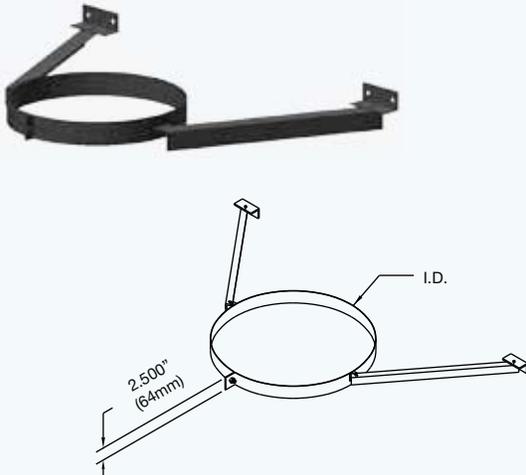


WALL BAND • WB

Used to stabilize the chimney along a vertical wall. The maximum recommended spacing between wall bands is 10'-0" (3048mm).

Includes:

- 1 Wall brackets
- 1 Stabilizing angles



LOWERING BAND • LB

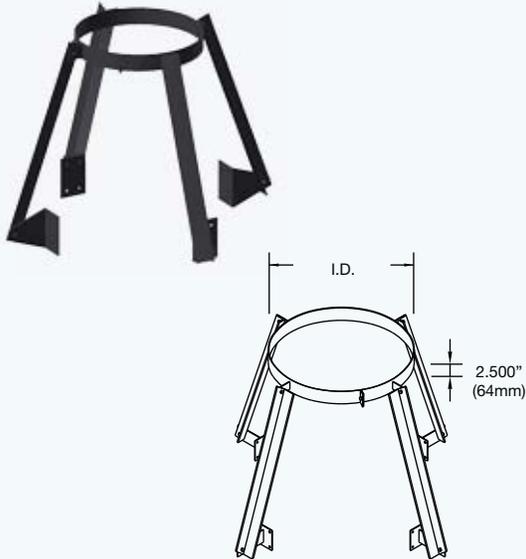
Also called Lifting Band, it is used to lower the lining in the masonry chimney.



BAND, COLLARS AND TERMINATION

ROOF BAND • RB

Used to stabilize a chimney laterally where it extends more than 10'-0" (3048mm) above the roof or for locations exposed to strong winds. It is attached to the chimney and the roof curb and does not require anchoring to the roof.

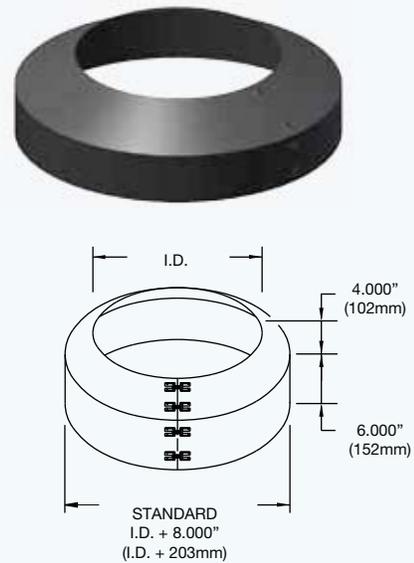


VENTILATED COLLAR • VC

Used to seal the space between the chimney and flashing. The ventilated collar must be sealed to the chimney with appropriate sealant. It is supplied with ventilated flashing.

Includes:

1 Socket head cap screws



STORM COLLAR • SC

Used to seal the space between the chimney and flashing. The storm collar must be sealed to the chimney with appropriate sealant. It is supplied with flashing for flat roofs of adjustable flashing.

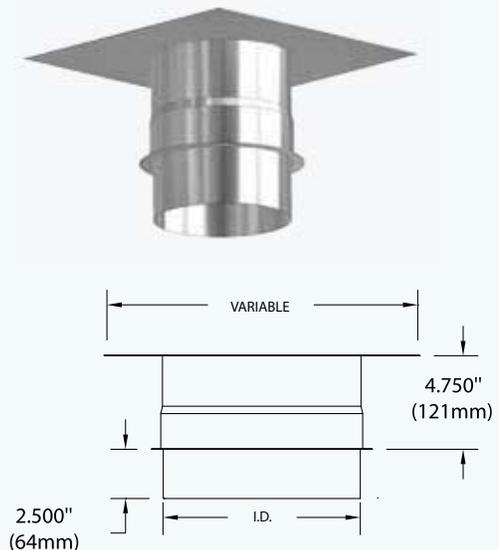
Includes:

1 Socket head cap screws



FAN ADAPTER • FA

Installed at the chimney termination. Used to connect the chimney to an induced draft fan.

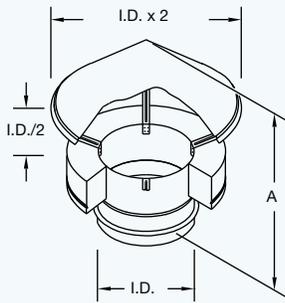


TERMINATIONS

RAIN CAP • RC

Installed at the top of the chimney. It prevents entry of rain.

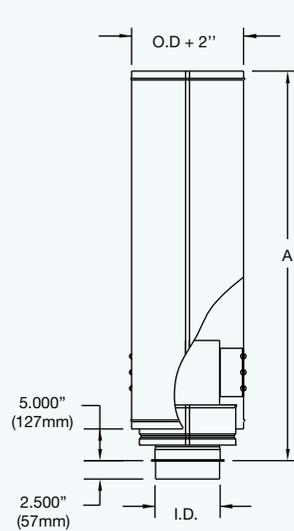
K = 0.5



CBI • CBH			
I.D.		A	
in	mm	in	mm
6	152	12.500	318
8	203	13.500	343
10	254	15.500	394
12	305	17.500	445
14	356	19.500	495
16	406	21.500	546
18	457	23.500	597
20	508	25.500	648
22	559	27.500	699
24	610	29.500	749

RAINSHIELD • RSH

Installed at the top of the chimney. It prevents rain penetration when the chimney is installed at a location subject to high wind conditions. Installation of a drain-tee cap (DC) or drain section (DS) at the base of the chimney is required for use of a rainshield. Available from 6" (152mm) to 16" (406mm) diameter.



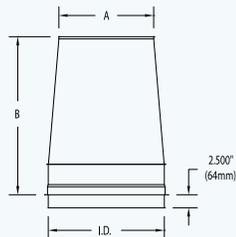
I.D.	A
in	in
6	41.000
8	47.000
10	53.000
12	58.000
14	65.000
16	72.000

I.D.	A
mm	mm
152	1041
203	1193
254	1346
305	1498
356	1651
406	1828

EXHAUST CONE • EC

Installed at the top of the chimney. It improves the draft and increases the speed of exhaust gases by 50%. Installation of a drain-tee cap (DC) or a drain section (DS) at the base of the chimney is required for use of an exhaust cone.

K = 1.25

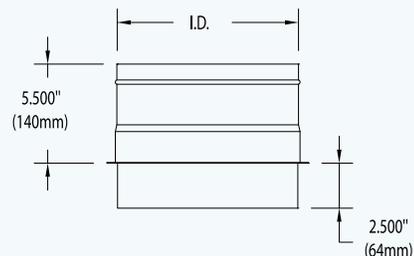


CBI • CBH					
I.D.		A		B	
in	mm	in	mm	in	mm
6	152	5.000	127	17.250	438
8	203	7.000	178	17.250	438
10	254	8.000	203	17.250	438
12	305	10.000	254	17.250	438
14	356	12.000	305	23.250	591
16	406	14.000	356	23.250	591
18	457	16.000	406	23.250	591
20	508	18.000	457	23.250	591
22	559	20.000	508	23.250	591
24	610	22.000	559	23.250	591

CLOSURE SECTION • CS

Installed at the end of the chimney in horizontal exhaust applications. To be used with engine exhaust. Diameter range from 6" (152mm) to 16" (406mm). Material thickness is the same as the chimney section it is used with.

K = 1.25



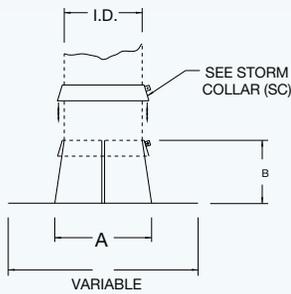
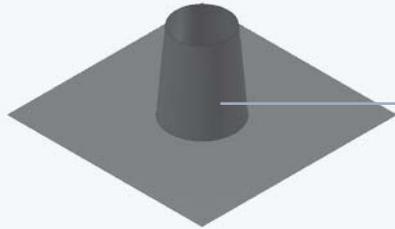
FLASHINGS

FLAT FLASHING • F

Used to seal the space between the chimney and the roof.

Includes:

1 Storm collar (SC)



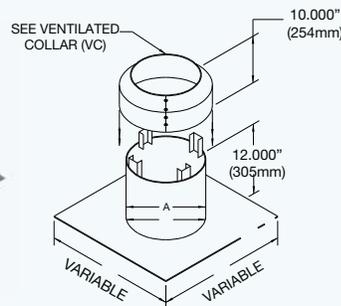
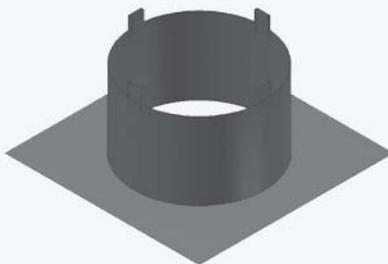
CBI • CBH					
I.D.		A		B	
in	mm	in	mm	in	mm
6	152	10.000	254	12.000	305
8	203	12.000	305	12.000	305
10	254	14.000	356	12.000	305
12	305	16.000	406	12.000	305
14	356	18.000	457	12.000	305
16	406	20.000	508	12.000	305
18	457	22.000	559	12.000	305
20	508	24.000	610	12.000	305
22	559	26.000	660	16.000	406
24	610	28.000	711	16.000	406

VENTILATED FLASHING • VF

Used to seal and ventilate the space between the chimney and the roof. It reduces the temperature around the roof opening and it prevents excessive accumulation of heat near combustible materials.

Includes:

1 Ventilated collar (VC)



●			
I.D.		A	
in	mm	in	mm
6	152	10.000	254
8	203	12.000	305
10	254	14.000	356
12	305	16.000	406
14	356	18.000	457
16	406	20.000	508
18	457	22.000	559
20	508	24.000	610
22	559	26.000	660
24	610	28.000	711

INSTALLATION GUIDE

Guide to Component Parts

MATERIALS	CODE	PAGE	MATERIALS	CODE	PAGE
ADJUSTMENT / EXPANSION			LENGTH		
Adjustable Length	AL	7	12" Length	12L	7
Increaser	I	11	24" Length	24L	7
Reducer	R	11	36" Length	36L	7
Variable Length	VL	11	48" Length	48L	7
COMPONENT			SEALING AT ROOF		
Drain -Tee Cap	DC	10	Flashing for Flat Roof	F	16
Tee Cap	TC	10	Ventilated Flashing	VF	16
CONNECTION / OFFSET			SIDE STABILITY		
90° Short Radius Elbow	E90	18	Guy Wire Band	GWB	13
90° Tee	T90	13	Roof Band	RB	14
Base Tee	BT	9	Wall Band	WB	13
Detachable 90° Tee	DT90	8	Lowering Band	LB	13
FIRE PROTECTION			SUPPORT / GUIDE		
Firestop	FS	13	Guiding Spacer	GS	12
JOINTING			TERMINATIONS		
Assembly Band	AB	10	Closure Section	CS	15
			Exhaust Cone	EC	15
			Fan Adapter	FA	14
			Rain Cap	RC	15
			Rain Shield	RHS	15

PIPE AND FITTING JOINT ASSEMBLY, STEP BY STEP



1. All components have a male and a female end. The orientation is indicated on the labelling of each section with an arrow. The arrow indicates the direction of the flue.
2. Before fitting the ends into one another, a sealant (LTS or HTS) is applied on the male end, at the gap between the inner flange and the inner pipe.
3. Assemble both sections by sliding one section into the other until the flanges meet. A layer of sealant is applied inside the V-Groove of the Assembly band (AB) prior to its installation over the joint.
4. The Assembly Band (AB) is installed and clamped in place with 4 nuts and bolts (supplied)
5. FOR OUTDOOR INSTALLATION AND BAD WEATHER PROTECTION, AN EXTERIOR SEALANT (ES) IS APPLIED AT THE JOINT BETWEEN THE ACCESSORIE AND THE EXTERIOR OF THE CHIMNEY.

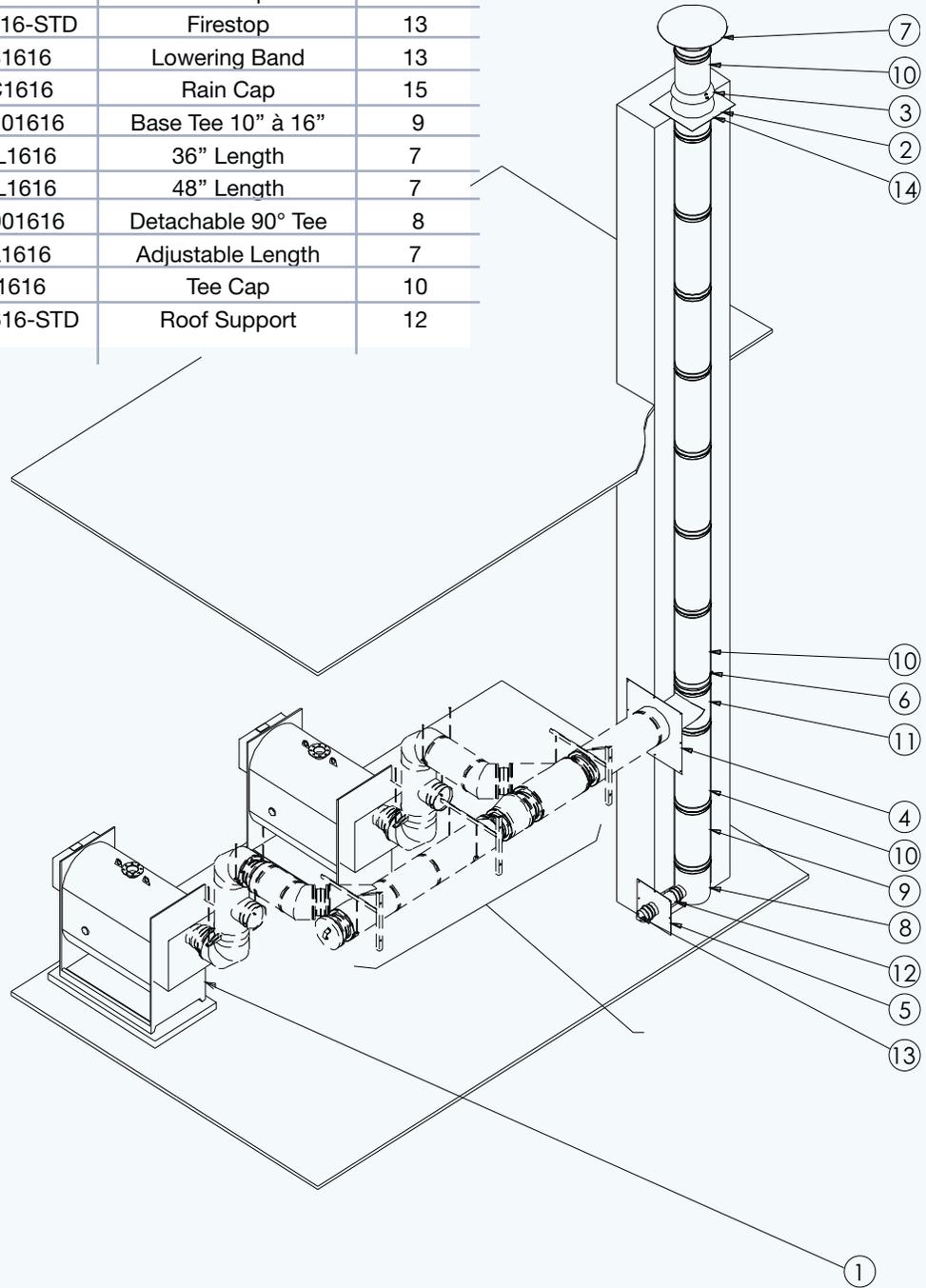


- LTS:** Low Temperature Sealant.
600°F maximum flue gas temperature
- HTS:** High Temperature Sealant.
Up to 2000°F flue gas temperature
- ES:** Exterior Sealant.
Outer sealant weather proof

SAMPLE DRAWINGS

Sample Drawings

No.	Part no.	Description	page
1	---	Appliance	---
2	CBIF1616-16	Flat Flashing	16
3	CBISC1616-STD	Storm Collar	14
4	CBIFS1616-STD	Firestop	13
5	CBIFS1616-STD	Firestop	13
6	CBILB1616	Lowering Band	13
7	CBIRC1616	Rain Cap	15
8	CBIBT101616	Base Tee 10" à 16"	9
9	CBI36L1616	36" Length	7
10	CBI48L1616	48" Length	7
11	CBIDT901616	Detachable 90° Tee	8
12	CBIAL1616	Adjustable Length	7
13	CBIC1616	Tee Cap	10
14	CBIRS1616-STD	Roof Support	12





1-YEAR STANDARD WARRANTY

Models CBI, CBH

All components of our models CBI and CBH chimney system have been inspected in our workshop in accordance with our quality standards. Cleaver-Brooks warrants the chimney/exhaust system and components against defects in material and workmanship for a period of (1) one year from date of delivery to the purchaser. During this period, any system or component supplied by Cleaver-Brooks failing to perform its intended function of exhausting, without adverse leakage, combustion by-products from engine or heating appliance will be repaired or replaced at the manufacturer option.

This warranty is limited to repair or replacement of any component which has been proven defective by a factory-authorized inspector by Cleaver-Brooks. This warranty does not cover any labour cost or freight charge for removal or replacement of the defective product, nor does this warranty cover any system component not furnished by Cleaver-Brooks and installed as part of the system. The warranty on any repaired or replacement component shall be for a duration no longer than the remaining or unexpired term of the original warranty.

This standard warranty is subject to the following conditions:

- a) Generally accepted engineering practices have been followed to determine that sizing and material specifications are suitable for the application and environment involved.
- b) The undamaged components have been correctly installed in accordance with the installation instructions published by Cleaver-Brooks at the time of shipment.

The standard warranty is extended to a **15-YEAR LIMITED WARRANTY** provided the following conditions are satisfied:

- a) The chimney must have been connected to an appliance listed by a testing authority recognized by the federal government. Also, this warranty is void if the appliance was not installed, used and maintained according to the manufacturer instructions.
- b) The chimney system must have been designed and sized by the engineering department of Cleaver-Brooks. All design and operating parameters provided to Cleaver-Brooks must meet the standards of Cleaver-Brooks and must be accurately representative of the operating conditions.
- c) The undamaged components must have been correctly installed, used and maintained in accordance with the instructions published by Cleaver-Brooks at the time of shipment.
- d) Air used in combustion must be free from any solvent or refrigerant vapor and from any halogenated compound which might generate acid condensate within the flue or chimney.
- e) Cleaver-Brooks has supplied the entire chimney or exhaust system from the appliance outlet to the stack termination.
- f) Prior to start-up and thereafter, exposed galvanized and aluminized steel surfaces are at all times protected with a minimum of one base coat primer and one finish coat of heat and corrosion resistant paint.

In no event shall Cleaver-Brooks be liable for any incidental or consequential damages of any kind or for any damage resulting in whole or in part from misuse, improper installation, removal and/or reuse of components or inadequate maintenance of the system or any component part thereof. In no event shall Cleaver-Brooks be liable for any cost of installation, removal and reinstallation. Cleaver-Brooks assumes no liability in case of fire, chimney fire, lightning or act of God. This warranty is in lieu of all other express warranties or guarantees of any kind. All implied warranties, including merchantability and fitness, are limited to the duration of the express warranty contained herein. Cleaver-Brooks neither assumes nor authorizes any other person to assume on its behalf any other liability in connection with products sold. No agent is authorized to make any modification to this warranty or additional warranties, even if in writing, binding Cleaver-Brooks.

The purchaser or complainant must send all claims under this warranty in writing to Cleaver-Brooks Customer Service Department.

Warranty



Exhaust Solutions
545 Fernand-Poitras, Terrebonne, Qc, Canda J6Y 1Y5
450.625.6060 · 866.625.6060
cleaverbrooks.com/exhaustsolutions · exhaustsales@cleaverbrooks.com