CHEMINÉE
Lining

COMPLETE GUIDE FOR PARTS IDENTIFICATION AND SELECTION

METALLIC CHIMNEY LINER SYSTEMS

SINGLE WALL CONSTRUCTION RIGID CHIMNEY LINER

Models IPP • HEP
Commercial/Industrial

CONTENTS

LISTINGS

CHEMINEE LINING venting system models IPP and HEP are listed by Underwriters Laboratories Inc. (UL) under file MH46608 and tested in accordance with UL 1777 standard 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 HEP is listed under file MH10081 and tested in accordance with UL1738 and ULC-S636 for venting categories II, III, IV appliance.

c UL US
LISTED

UL 1777 AND ULC-S635

CATEGORIES	MODELS	TEMPERATURE	SIZE
I, III	IPP	570°F	6" to 48"
II, III, IV	HEP	550°F	6" to 48"

APPLICATIONS

Chimney Liners Listing (Category I, for oil and gas) – Under this category, model IPP and HEP liners 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 does not exceed 570°F (300°C). They also comply with test at 1700°F (925 °C) temperature for 10 minutes.

Also, model HEP 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 the United States, Models IPP and HEP 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.

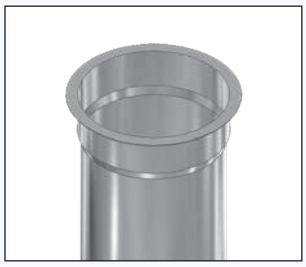
In Canada, Models IPP and HEP chimney liners are primarily intended to be installed in existing masonry chimneys with or without a liner of fire-clay tile, or factory-built chimneys and vents.

	IPP	HEP
UL103	No*	No
UL1738	No	Yes
UL1777	Yes	Yes

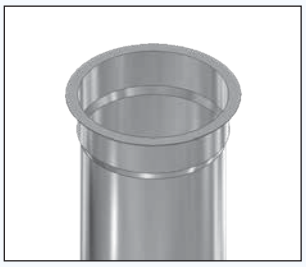
* Model IPP was tested with success for positive pressure up to 60 water column under UL-103 section 24

DESIGN

All our single wall chimney systems are part of a large family of IPP (Industrial Positive Pressure) and HEP (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.



IPP: Single wall



HEP: Single wall

This unique method for jointing 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.

Cheminée Lining is proud of its 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 IPP and HEP 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 IPP wall must be made of 20 gauge 304 or 316 stainless steel, with a continuous laser welding. Model HEP 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.

MODEL IPP

Wall: 316 L or 304 2B stainless steel (20 ga - 6" (152mm) to 24" (610mm) diameter)

MODEL HEP

Wall: Stainless Steel as per UL1738 (24 ga - 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

	IPP		HEP	
I.D.	Linear weight		Linear weight	
in	lb/ft	kg/m	lb/ft	kg/m
6	3.2	4.8	2.2	3.2
8	4.3	6.4	2.9	4.3
10	5.4	8.0	3.6	5.4
12	6.5	9.6	4.3	6.4
14	7.6	11.2	5.1	7.5
16	8.6	12.8	5.8	8.6
18	9.7	14.5	6.5	9.7
20	10.8	16.1	7.2	10.7
22	11.9	17.7	7.9	11.8
24	12.9	19.3	8.7	12.9
26	14.0	20.9	9.4	14.0
28	15.1	22.5	10.1	15.0
30	16.2	24.1	10.8	16.1
32	17.3	25.7	11.5	17.2
34	18.3	27.3	12.3	18.3
36	19.4	28.9	13.0	19.3
38	20.5	30.5	13.7	20.4
40	21.6	32.1	14.4	21.5
42	28.8	42.8	15.2	22.6
44	30.1	44.9	15.9	23.6
46	31.5	46.9	16.6	24.7
48	32.9	48.9	17.3	25.8

Model and diameter	Air space location	
	Between masonry chimney exterior and combustible	Between masonry chimney interior and liner
IPP 6" to 48"	0"	1"
HEP 6" to 48"	0"	1"

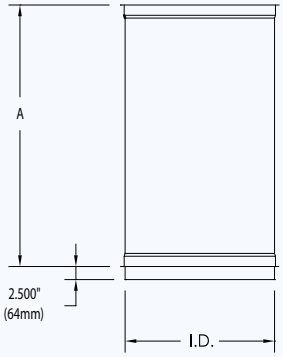
STRAIGHT LENGTHS • 48L • 36L • 24L • 12L

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



IPP • HEP I.D.	
in	mm
6	152
8	203
10	254
12	254
14	356
16	406
18	457
20	508
22	559
24	610
26	660
28	711
30	762
32	813
34	864
36	914
38	965
40	1016
42	1067
44	1118
46	1168
48	1219

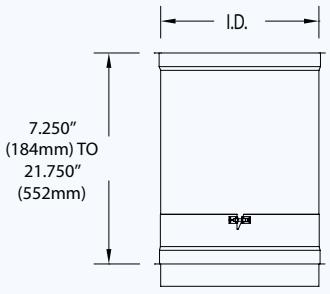
IPP			HEP		
LENGTHS	EFFECTIVE LENGTHS "A"		LENGTHS	EFFECTIVE LENGTHS "A"	
in	in	mm	in	in	mm
12	11	279	12	11	279
24	23	584	24	23	584
36	35	889	36	35	889
48	47	1194	---	---	---

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

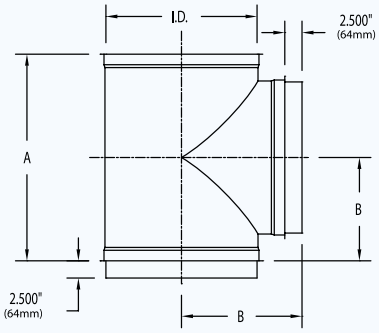


90° TEE • T90

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 HEP model.

Includes:
1 Assembly band (AB)

K = 1.25



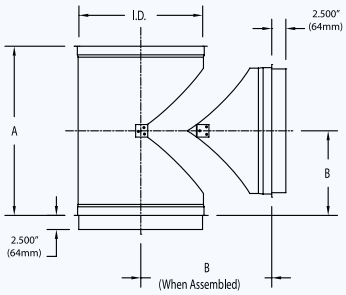
IPP ● HEP					
I.D.		A		B	
in	mm	in	mm	in	mm
6	152	13.000	330	6.500	165
8	203	15.000	381	7.500	191
10	254	17.000	432	8.500	216
12	305	19.000	483	9.500	241
14	356	21.000	533	10.500	267
16	406	23.000	584	11.500	292
18	457	25.000	686	12.500	318
20	508	27.000	686	13.500	343
22	559	29.000	737	14.500	368
24	310	31.000	787	15.500	394
26	660	33.000	838	16.500	419
28	711	35.000	889	17.500	445
30	762	37.000	940	18.500	470
32	813	39.000	991	19.500	495
34	864	41.000	1041	20.500	521
36	914	43.000	1092	21.500	546
38	965	45.000	1143	22.500	572
40	1016	47.000	1194	23.500	597
42	1067	49.000	1245	24.500	622
44	1118	51.000	1295	25.500	648
46	1168	53.000	1346	26.500	673
48	1219	55.000	1397	27.500	699

DETACHABLE 90º TEE • DT90

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

Includes:
1 Assembly band (AB)

K=1.25



IPP ● HEP					
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
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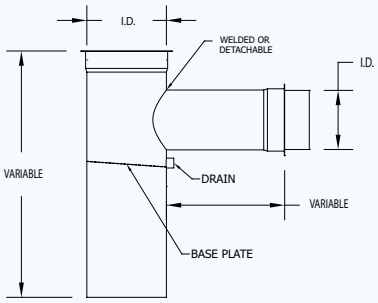
40	1016	47.000	1194	23.500	597
42	1067	49.000	1245	24.500	622
44	1118	51.000	1295	25.500	648
46	1168	53.000	1346	26.500	673
48	1219	55.000	1397	27.500	699

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)



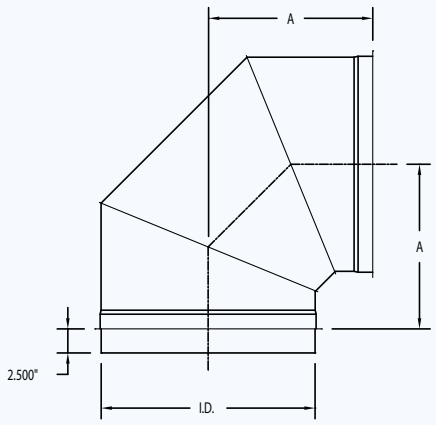
90˚ SHORT RADIUS ELBOW • E90

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

Includes:

1 Assembly band (AB)

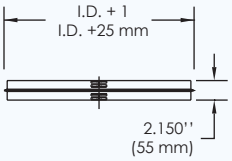
K = 0.3



IPP • HEP			
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
26	661	22.328	568
28	712	23.328	594
30	763	24.328	620
32	814	25.328	646
34	865	26.328	672
36	916	27.328	698
38	967	28.328	724
40	1018	29.328	750
42	1069	30.328	776
44	1120	31.328	802
46	1171	32.328	828
48	1222	33.328	854

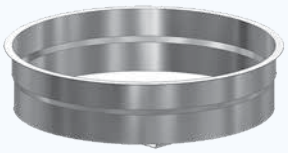
ASSEMBLY BAND • AB

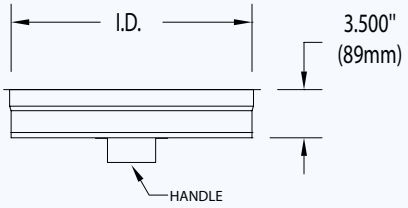
Used to assemble the inner walls of two components. Ensures sealing and rigidity of the system. To be used with a Low (LTS) or a High Temperature Sealant (HTS) (see assembly details).
Includes:
2 Hexagonal screws
2 Square nuts



TEE CAP • TC

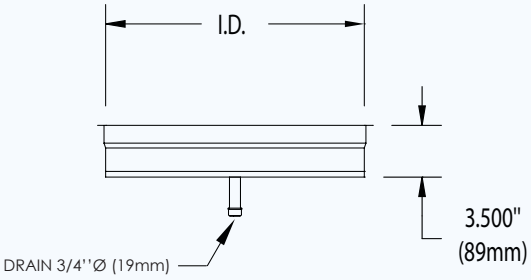
Used to block one of the openings of horizontal or vertical tee. Removable, it facilitates access for inspection and maintenance of the chimney.
Includes:
1 Assembly band (AB)





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 3/4ø (19mm) - NPT.
Includes:
1 Assembly band (AB)



INCREASER • I

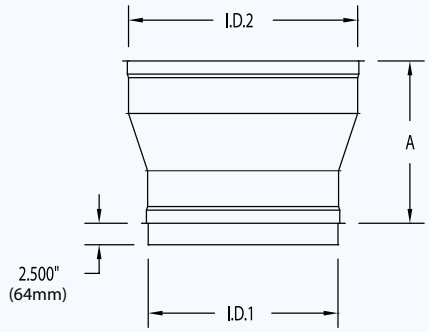
Used to increase the diameter of the flue or chimney. Specify the diameter of the inlet and outlet of the fitting.

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	IPP ● HEP 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

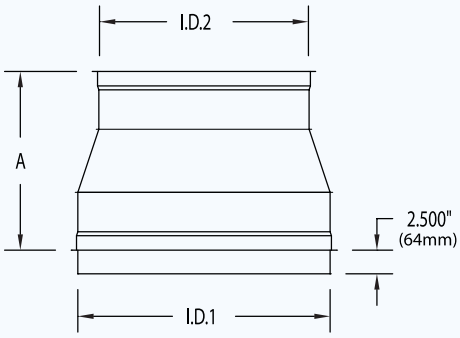
Used to reduce the diameter of the flue. Specify the diameter of the inlet and outlet of the fitting.

Includes:

1 Assembly band (I.D. 2) (AB)

1 Finishing band (O.D. 2) (FB)

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



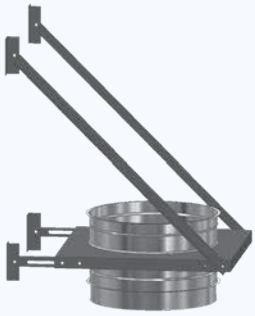
Difference between I.D. 2 - I.D. 1	IPP ● HEP Dim. A	
	in	mm
2	15.000	381
4	19.000	483
6	23.000	585
8	27.000	687
10	31.000	789

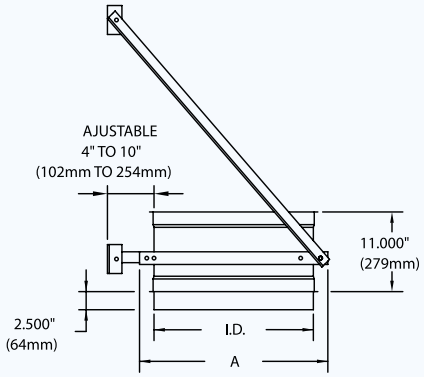
WALL SUPPORT • WS

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

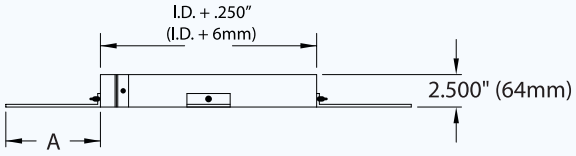




IPP ● HEP			
I.D.		A	
in	mm	in	mm
6	152	10.000	254
8	203	12.000	305
10	254	14.000	356
12	305	16.000	406
14	356	18.000	457
16	406	20.000	508
18	457	22.000	559
20	508	24.000	610
22	559	26.000	660
24	610	28.000	711
26	661	30.000	762
28	712	32.000	813
30	763	30.000	762
32	814	32.000	813
34	865	34.000	864
36	916	36.000	914
38	967	38.000	965
40	1018	40.000	1016
42	1069	42.000	1067
44	1120	44.000	1118
46	1171	46.000	1168
48	1222	48.000	1219

ROOF SUPPORT • RS

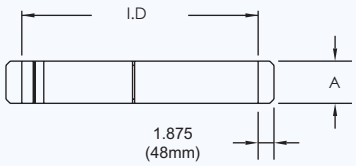
Used to support and guide the portion of the chimney which extends to the roof. It is attached to the roof curb by means of four (4) angles. It keeps a minimum distance between the chimney and combustible materials at the roof.



IPP ● HEP			
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" to 32"	610 to 814	9.250	235
34" to 42"	864 to 1067	11.250	286
44" to 48"	1118 to 1219	13.250	337

GUIDING SPACER • GS

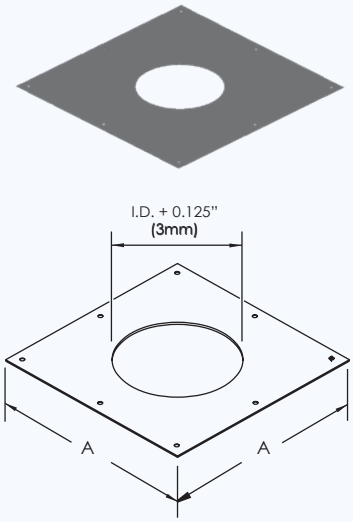
Used to guide the flue or the chimney against the inner wall of the sleeves it passes through. It holds the chimney at a distance of 2" (51mm) from the wall firestop (WFS), insulated wall firestop (IFS) or an insulated sleeve (IS).



IPP ● HEP			
I.D.		A	
in	mm	in	mm
6" to 16"	152 to 406	4.000	102
18" to 36"	457 to 914	6.000	152
38" to 48"	965 to 1219	8.000	203

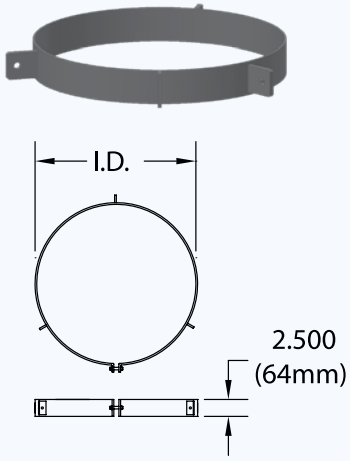
FIRESTOP • FS

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



GUY WIRE BAND • GWB

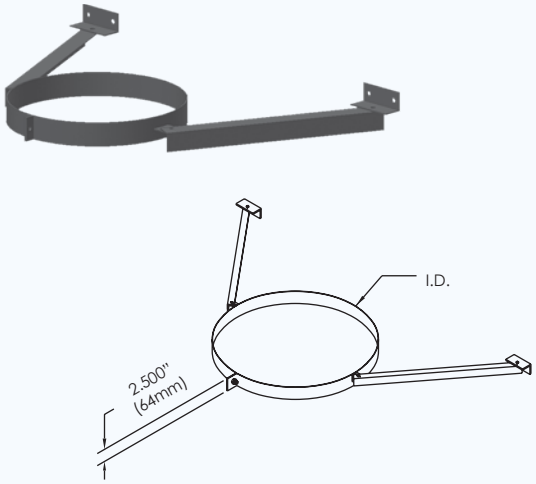
Used to stabilize a chimney laterally where it extends more than 10'-0" (3048mm) above the roof or for locations exposed to strong winds. It is attached to the chimney and is designed to receive 3 guy wires 120˚ apart (not included). It may be manufactured to receive 4 guy wires 90˚ apart.



WALL BAND • WB

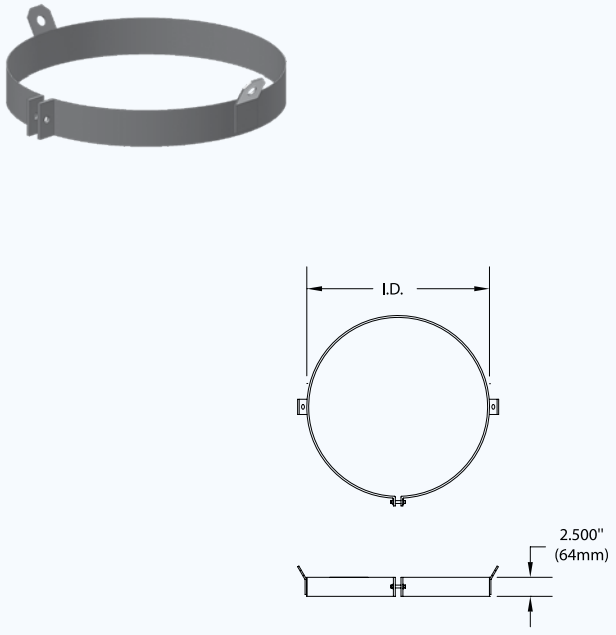
Used to stabilize the chimney along a vertical wall. The maximum recommended spacing between wall bands is 10'-0" (3048mm).

Includes:
1 Wall bracket
1 Stabilizing angle



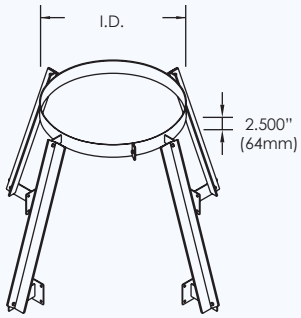
LOWERING BAND • LB

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



ROOF BAND • RB

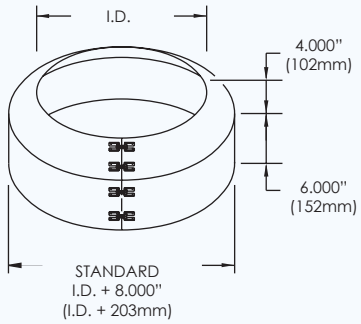
Used to stabilize a chimney laterally where it extends more than 10'-0" (3048mm) above the roof or for locations exposed to strong winds. It is attached to the chimney and the roof curb and does not require anchoring to the roof.



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.

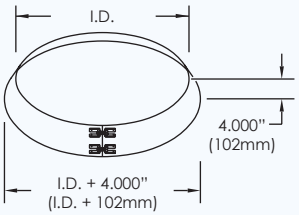
Includes:
1 Socket head cap screw



STORM COLLAR • SC

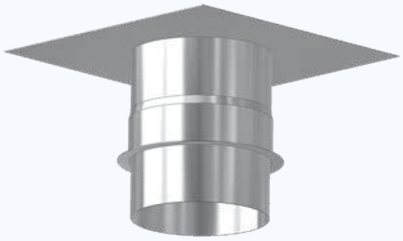
Used to seal the space between the chimney and flashing. The storm collar must be sealed to the chimney with appropriate sealant. It is supplied with flashing for flat roofs of adjustable flashing.

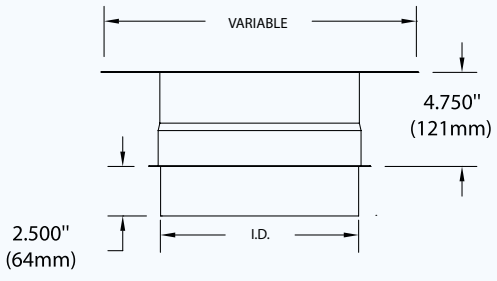
Includes:
1 Socket head cap screw



FAN ADAPTER • FA

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

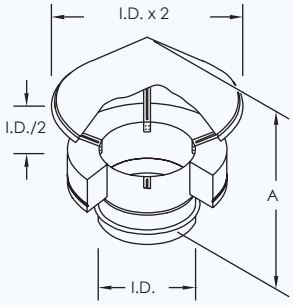




RAIN CAP • RC

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

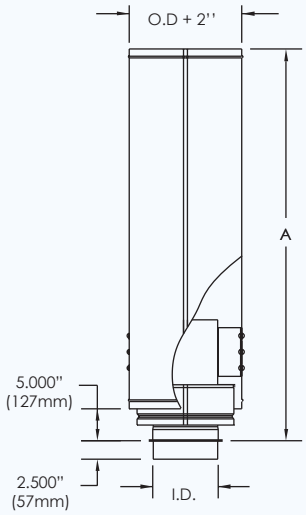
K = 0.5



IPP • HEP			
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.



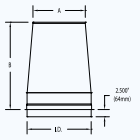
I.D.	A
in	in
6	41.000
8	47.000
10	53.000
12	58.000
14	65.000
16	72.000

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

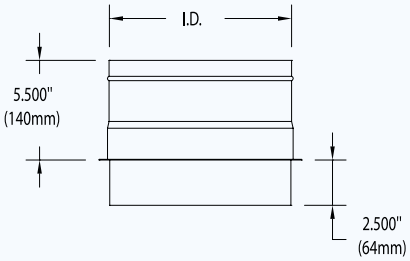


IPP • HEP					
I.D.		A		B	
in	mm	in	mm	in	mm
6	152	5.000	127	17.500	438
8	203	7.000	178	17.500	438
10	254	8.000	203	17.500	438
12	305	10.000	254	17.500	438
14	356	12.000	305	23.500	591
16	406	14.000	356	23.500	591
18	457	16.000	406	23.500	591
20	508	16.000	406	23.500	591
22	559	18.000	457	23.500	591
24	610	20.000	508	23.500	591
26	660	22.000	559	29.500	749
28	711	24.000	610	29.500	749
30	762	24.000	610	29.500	749
32	813	26.000	660	31.500	800
34	864	28.000	711	33.500	851
36	914	30.000	762	35.500	851
38	965	30.000	762	35.500	851
40	1016	32.000	813	37.500	953
42	1067	34.000	864	39.500	1003
44	1118	36.000	914	41.500	1054
46	1168	38.000	965	43.500	1105
48	1219	40.000	1016	45.500	1156

CLOSURE SECTION • CS

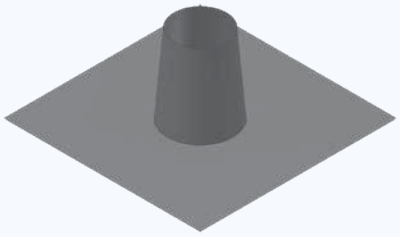
Installed at the end of the chimney in horizontal exhaust applications. To be used with engine exhaust. Diameter range from 6" (152mm) to 16" (406mm). Material thickness is the same as the chimney section it is used with.

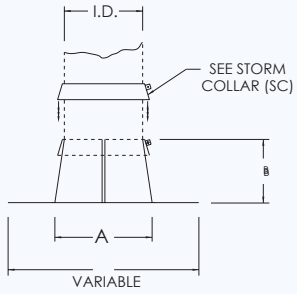
K = 1.25



FLAT FLASHING • F

Used to seal the space between the chimney and the roof.
Includes:
1 Storm collar (SC)

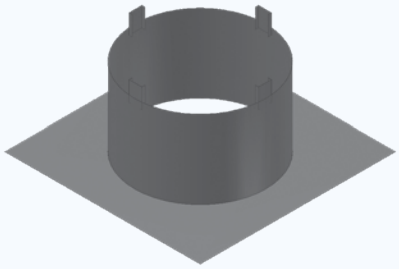


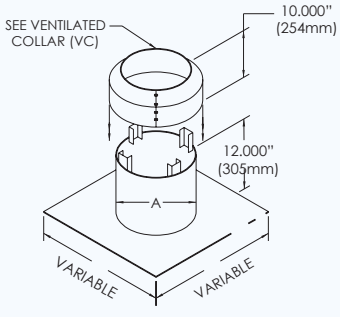


IPP • HEP					
I.D.		A		B	
in	mm	in	mm	in	mm
6	152	10.000	254	12.000	305
8	203	12.000	305	12.000	305
10	254	14.000	356	12.000	305
12	305	16.000	406	12.000	305
14	356	18.000	457	12.000	305
16	406	20.000	508	12.000	305
18	457	22.000	559	12.000	305
20	508	24.000	610	12.000	305
22	559	26.000	660	16.000	406
24	610	28.000	711	16.000	406
26	660	30.000	762	16.000	406
28	711	32.000	813	16.000	406
30	762	34.000	864	16.000	406
32	813	36.000	914	16.000	406
34	864	38.000	965	16.000	406
36	914	40.000	1016	16.000	406
38	965	42.000	1067	16.000	406
40	1016	44.000	1118	16.000	406
42	1067	46.000	1168	16.000	406
44	1118	48.000	1219	16.000	406
46	1168	50.000	1270	16.000	406
48	1219	52.000	1321	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)





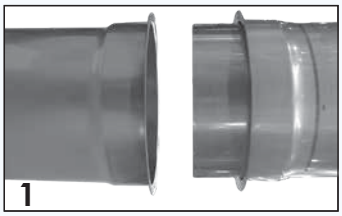
IPP • HEP			
I.D.		A	
in	mm	in	mm
6	152	10.000	254
8	203	12.000	305
10	254	14.000	356
12	305	16.000	406
14	356	18.000	457
16	406	20.000	508
18	457	22.000	559
20	508	24.000	610
22	559	26.000	660
24	610	28.000	711
26	660	30.000	762
28	711	32.000	813
30	762	34.000	864
32	813	36.000	914
34	864	38.000	965
36	914	40.000	1016
38	965	42.000	1067
40	1016	44.000	1118
42	1067	46.000	1168
44	1118	48.000	1219
46	1168	50.000	1270
48	1219	52.000	1321

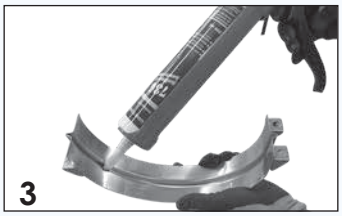
Guide to Component Parts

MATERIALS	CODE	PAGE
ADJUSTMENT / EXPANSION		
Adjustable Length	AL	7
Increaser	I	11
Reducer	R	11
Variable Length	VL	11
COMPONENT		
Drain-Tee Cap	DC	10
Tee Cap	TC	10
CONNECTION / OFFSET		
90° Short Radius Elbow	E90	18
90° Tee	T90	13
Base Tee	BT	9
Detachable 90° Tee	DT90	8
FIRE PROTECTION		
Firestop	FS	13
JOINTING		
Assembly Band	AB	10

MATERIALS	CODE	PAGE
LENGTH		
12" Length	12L	7
24" Length	24L	7
36" Length	36L	7
48" Length	48L	7
SEALING AT ROOF		
Flashing for Flat Roof	F	16
Ventilated Flashing	VF	16
SIDE STABILITY		
Guy Wire Band	GWB	13
Roof Band	RB	14
Wall Band	WB	13
Lowering Band	LB	13
SUPPORT / GUIDE		
Guiding Spacer	GS	12
Roof Support	RS	12
Wall Support	WS	12
TERMINATIONS		
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



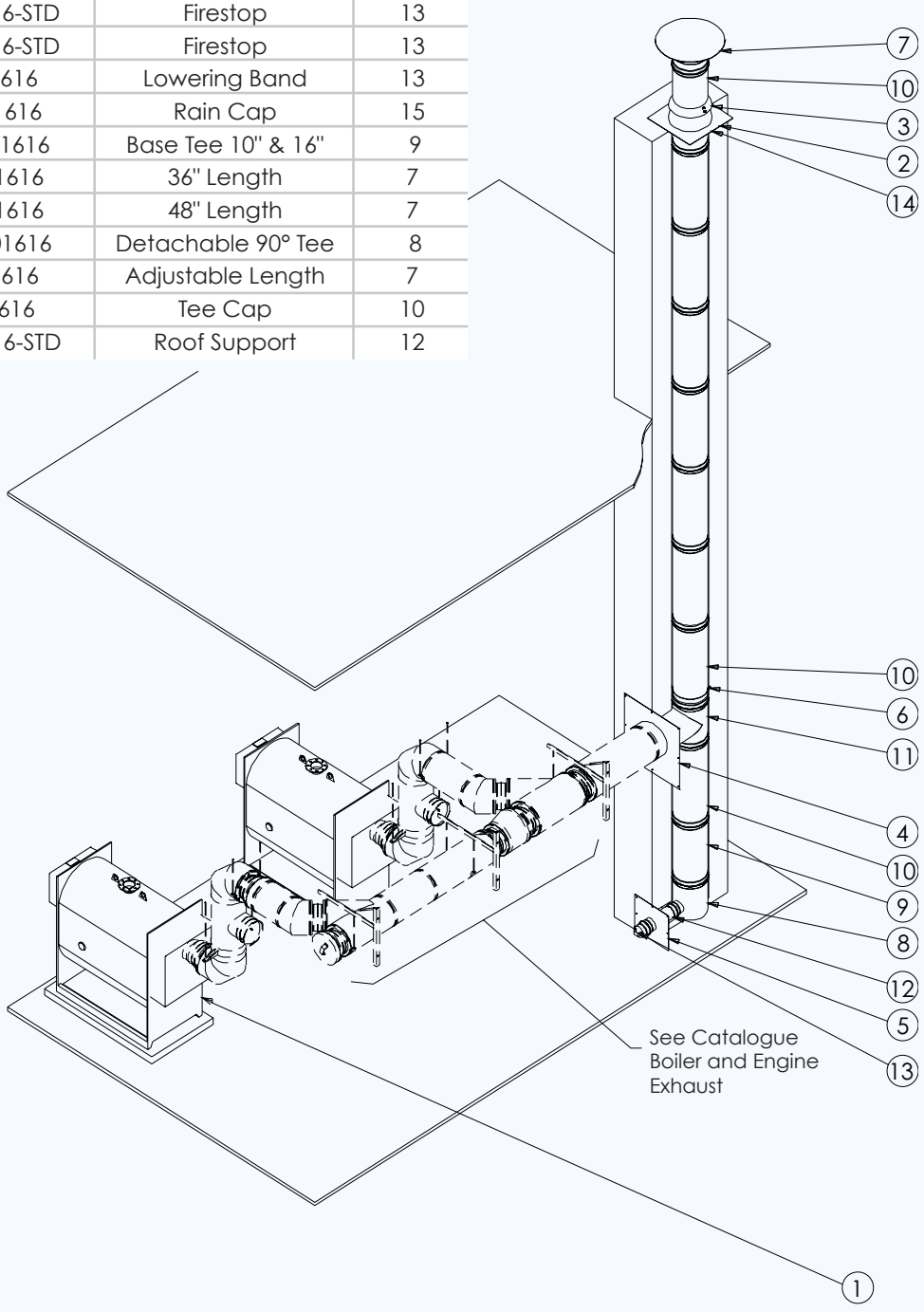


1. All components have a male and a female end. The orientation is indicated on the labelling of each section with an arrow. The arrow indicates the direction of the flue.
2. Before fitting the ends into one another, a sealant (LTS or HTS) is applied on the male end, at the gap between the inner flange 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 ACCESSORY 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

No.	Part No.	Description	Page
1	---	Appliance	---
2	IPPF1616-16	Flat Flashing	16
3	IPPSC1616-STD	Storm Collar	14
4	IPPFS1616-STD	Firestop	13
5	IPPFS1616-STD	Firestop	13
6	IPPLB1616	Lowering Band	13
7	IPPRC1616	Rain Cap	15
8	IPPBT101616	Base Tee 10" & 16"	9
9	IPP36L1616	36" Length	7
10	IPP48L1616	48" Length	7
11	IPPDT901616	Detachable 90° Tee	8
12	IPPAL1616	Adjustable Length	7
13	IPPC1616	Tee Cap	10
14	IPPRS1616-STD	Roof Support	12



1-YEAR STANDARD WARRANTY

Models IPP, HEP

All components of our models IPP and HEP chimney system have been inspected in our workshop in accordance with our quality standards. Cheminée Lining Inc. 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 Cheminée Lining Inc. 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 de fective by a factory-authorized inspector by Cheminée Lining Inc. 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 Cheminée Lining Inc. 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 Cheminée Lining Inc. 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 Cheminée Lining Inc. All design and operating parameters provided to Cheminée Lining Inc. must meet the standards of Cheminée Lining Inc. 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 Cheminée Lining Inc. 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) Cheminée Lining Inc. 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 Cheminée Lining Inc. 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 Cheminée Lining Inc. be liable for any cost of installation, removal and reinstallation. Cheminée Lining Inc. 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 Cheminée Lining Inc.

The purchaser or complainant must send all claims under this warranty in writing to Cheminée Lining Inc. Customer Service Department.

warranty

CHEMINÉE Lining

CHEMINÉE
Lining

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