



DOUBLE WALL CONCENTRIC & CONCENTRIC DECO
BALANCED FLUE SYSTEM

H[©]LETHERM

STAINLESS STEEL FLUE SYSTEMS



A DUTCH QUALITY PRODUCT FROM WOUDENBERG

Metal ware Factory LEWO has specialised in constructing bespoke flue gas pipes and chimneys in stainless steel ever since 1980. A conscious choice, as no other material offers the same durability, temperature resistance and safety as stainless steel when used for flue gas discharge systems.

It was soon apparent that the expertise and working method of the then still-small factor was a success, creating the demand for a reliable, standardised flue gas discharge system with the now renowned LEWO quality.

It launched its very own line of high-quality, insulated Stainless Steel flue systems in 1984 under the name Holetherm Double Wall: pipes, elbows, roof flashings, caps with spark catchers and mounting material. Good, affordable products produced in the Netherlands. It became a resounding success.

The way we build in the Netherlands will be motivated by the need for as little use of fossil energy as possible. This leads to a continuous change of laws

and regulations. Lewo has been fully aware of these regulations and has therefore fully implemented them in the development of new products. The desire to be innovative and to make high-quality products is in Lewo's DNA for over 40 years.

The product range coexists of the well-known double-wall insulated flues from single-wall and concentric flue gas discharge systems, to connect gas and wood burning fireplaces, heaters and boilers. Lewo also provides solutions for special situations.

LEWO now offers:

- an extensive and innovative product range.
- ISO 9001: 2015 certified and monitored production.
- Holetherm systems approved according to the strictest European standards.
- 40 years of experience in producing reliable and safe flue gas pipes.



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APPLICATION

The Holetherm Double Wall Concentric & Concentric Deco balanced flue systems are especially suitable for:



GAS FIREPLACES
Atmospheric application

HOLETHERM

DOUBLE WALL CONCENTRIC
& CONCENTRIC DECO
BALANCED FLUE SYSTEM

The modular Holetherm double-walled concentric air supply and flue gas discharge system is applied to gas-fired ambient-heating devices with a class C11 and C31 enclosed combustion system.

The outlet tube is of high-quality, 316L stainless steel, resistant to high temperatures and flue gasses. The air-supply tube is manufactured of 304L quality stainless steel. The balanced system has been tested according to European CE product requirements.

An extensive range of chimney elements is available, meaning installation to the roof or through the wall can be realised quickly and easily. However, installing in an existing chimney is also possible.

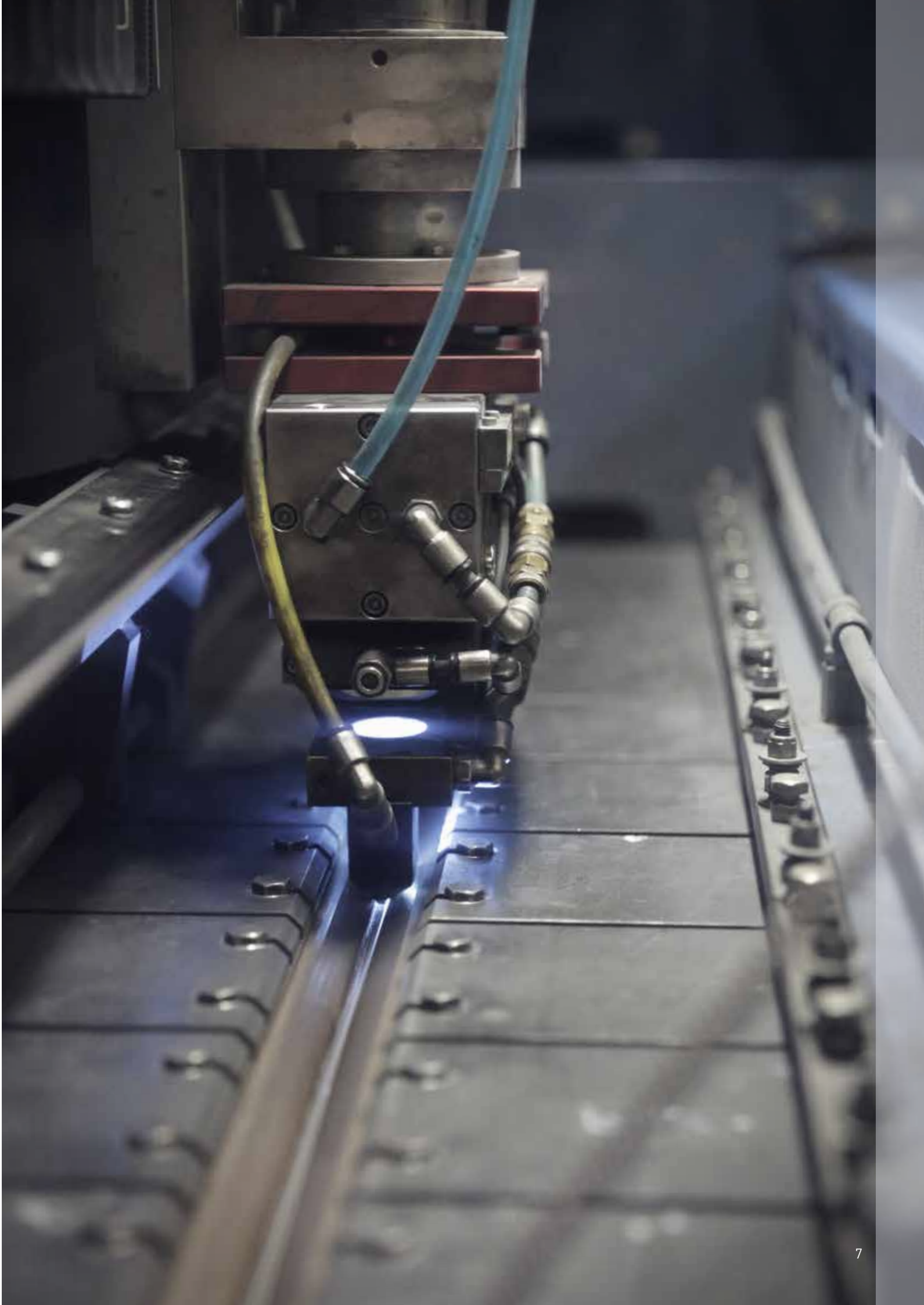
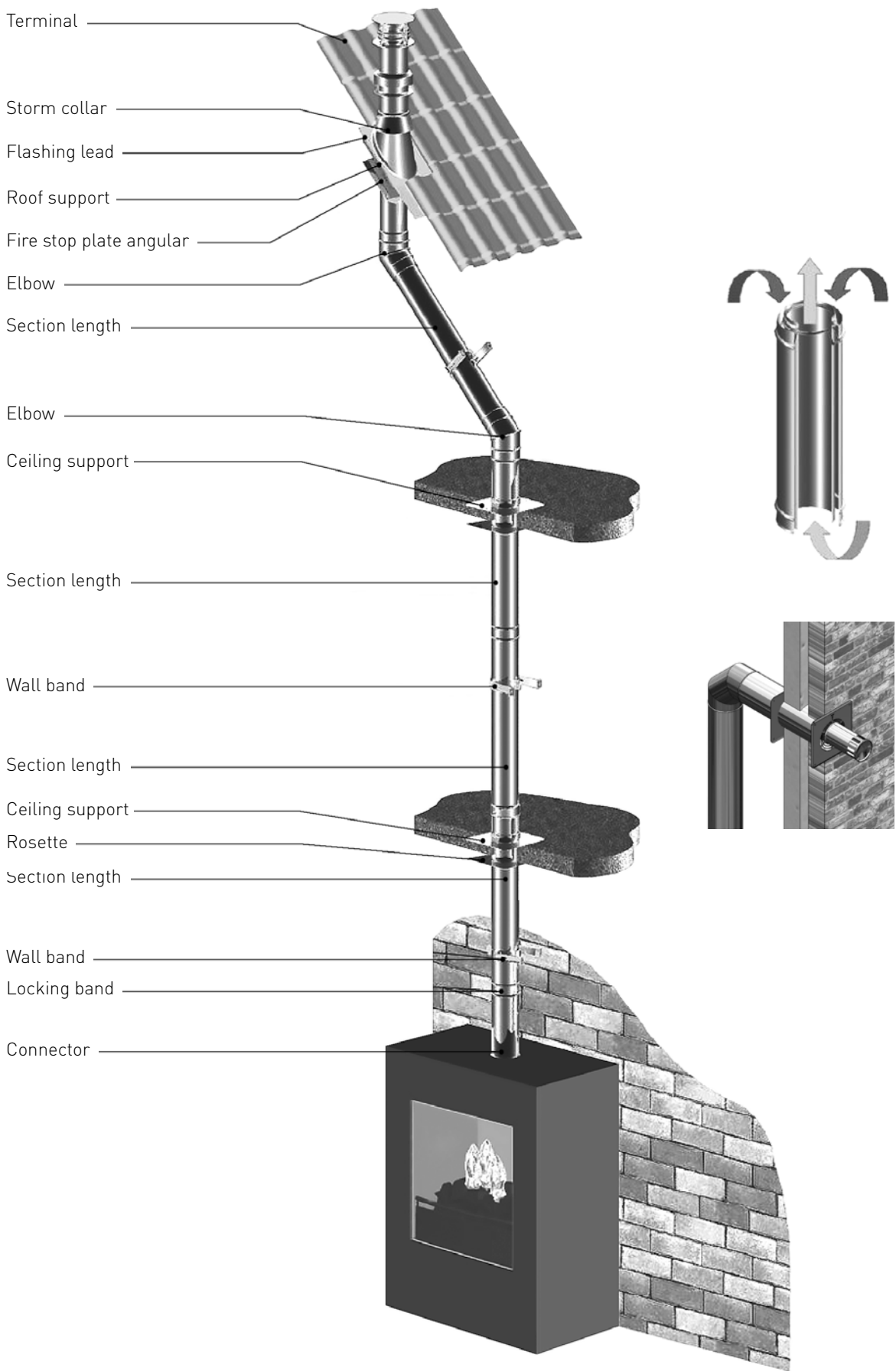
New in our range is **Holetherm CC DECO**, elegant connecting pipes between the appliance and the flue pipe. These pipes have no flashy locking bands and creases, but are nice and smooth executed in black coated stainless steel (see page 18).



LEWO provides a **warranty of no less than 30 years** on the Holetherm double-wall concentric balanced flue system. A safe system made from fully recyclable materials that has been proven in 40 years of use.

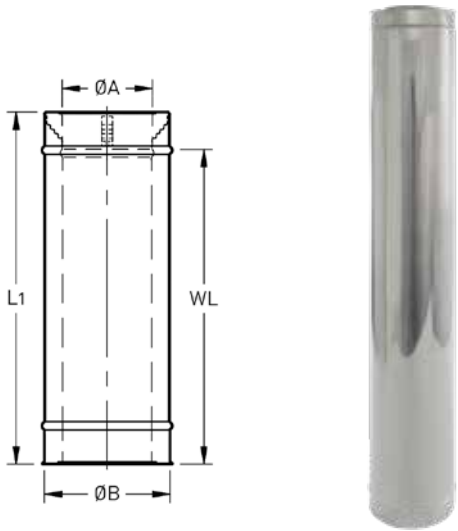


CONSTRUCION DIAGRAM DOUBLE WALL CONCENTRIC
ACCORDING TO ASSEMBLY INSTRUCTIONS



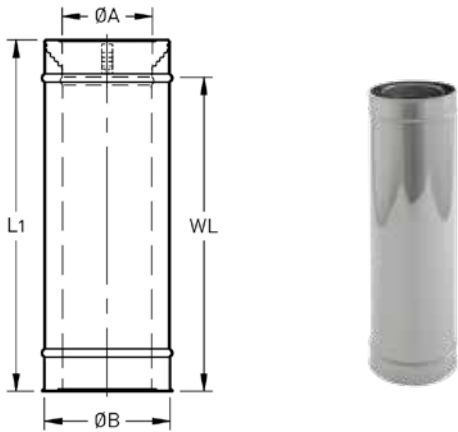
SECTION LENGTH 1000 MM

SYSTEM	CC100-150	CC130-200
ART.NR.	50.10.100.001.0	50.10.130.001.0
ØA	100	130
ØB	150	200
L1	1000	1000
WL	952	952



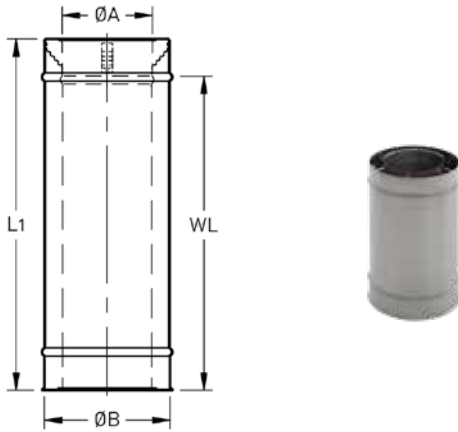
SECTION LENGTH 500 MM

SYSTEM	CC100-150	CC130-200
ART.NR.	50.10.100.500.0	50.10.130.500.0
ØA	100	130
ØB	150	200
L1	500	500
WL	452	452



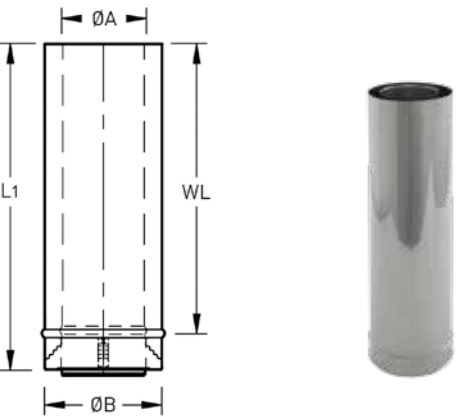
SECTION LENGTH 250 MM

SYSTEM	CC100-150	CC130-200
ART.NR.	50.10.100.250.0	50.10.130.250.0
ØA	100	130
ØB	150	200
L1	250	250
WL	203	203



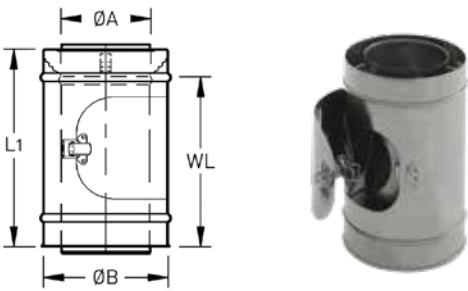
ADJUSTABLE LENGTH

SYSTEM	CC100-150	CC130-200
ART.NR.	50.11.100.400.0	50.11.130.400.0
ØA	100	130
ØB	150	200
L1	500	500
WL	50-400	50-400



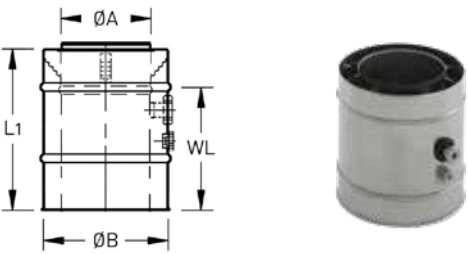
INSPECTION SECTION

SYSTEM	CC100-150	CC130-200
ART.NR.	50.14.100.250.0	50.14.130.250.0
ØA	100	130
ØB	150	200
L1	250	250
WL	199	199



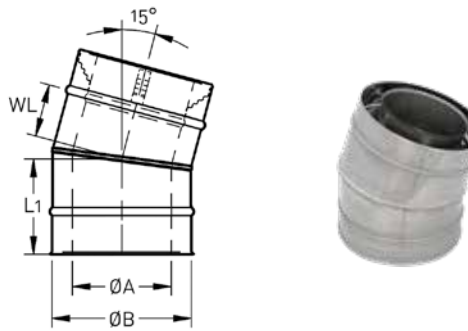
MEASURING ELEMENT

SYSTEM	CC100-150	CC130-200
ART.NR.	50.15.100.150.0	50.15.130.150.0
ØA	100	130
ØB	150	200
L1	170	170
WL	122	122



ELBOW 15°

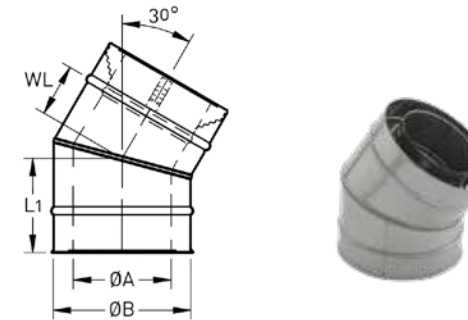
SYSTEM	CC100-150	CC130-200
ART.NR.	50.20.100.015.0	50.20.130.015.0
ØA	100	130
ØB	150	200
L1	80	90
WL	47	57



See offset table on page 24

ELBOW 30°

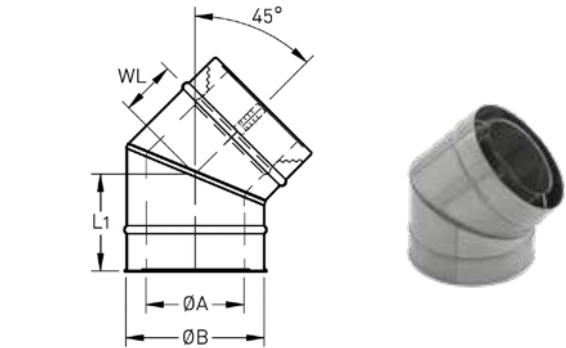
SYSTEM	CC100-150	CC130-200
ART.NR.	50.20.100.030.0	50.20.130.030.0
ØA	100	130
ØB	150	200
L1	80	90
WL	47	57



See offset table on page 24

ELBOW 45°

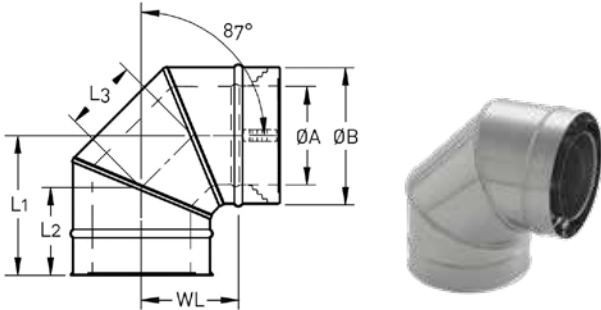
SYSTEM	CC100-150	CC130-200
ART.NR.	50.20.100.045.0	50.20.130.045.0
ØA	100	130
ØB	150	200
L1	80	90
WL	47	57



See offset table on page 24

ELBOW 90°

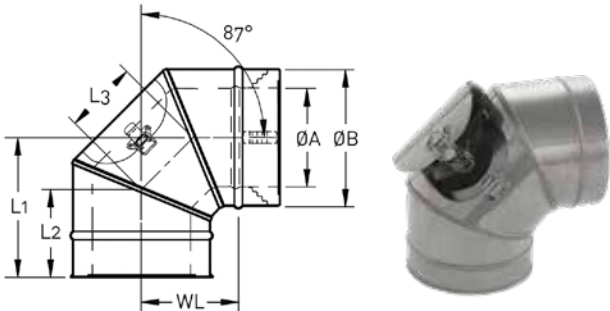
SYSTEM	CC100-150	CC130-200
ART.NR.	50.20.100.090.0	50.20.130.090.0
ØA	100	130
ØB	150	200
L1	145	179
L2	80	97
L3	90	110
WL	106	131



See offset table on page 24

INSPECTION ELBOW 90°

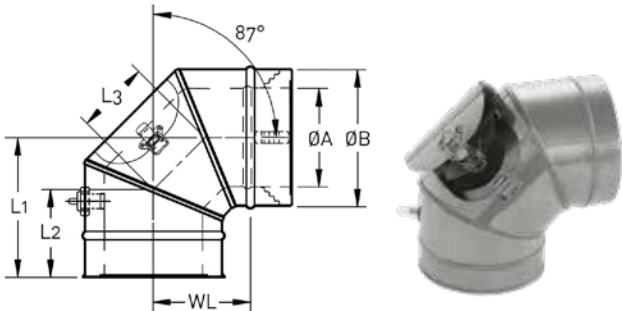
SYSTEM	CC100-150	CC130-200
ART.NR.	50.22.100.090.0	50.22.130.090.0
ØA	100	130
ØB	150	200
L1	145	179
L2	80	97
L3	90	110
WL	106	131



See offset table on page 24

INSPECTION ELBOW 90° WITH MEASURING POINT

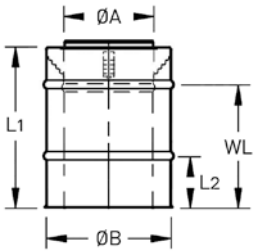
SYSTEM	CC100-150	CC130-200
ART.NR.	50.23.100.090.0	50.23.130.090.0
ØA	100	130
ØB	150	200
L1	145	179
L2	80	97
L3	90	110
WL	106	131



See offset table on page 24

CONNECTOR

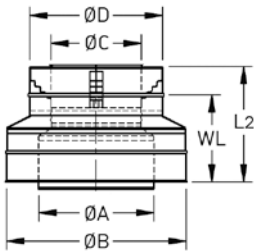
SYSTEM	CC100-150	CC130-200
ART.NR.	50.30.100.120.0	50.30.130.120.0
ØA	100	130
ØB	150	200
L1	155	155
L2	50	50
WL	120	120



Special appliance connectors available on request

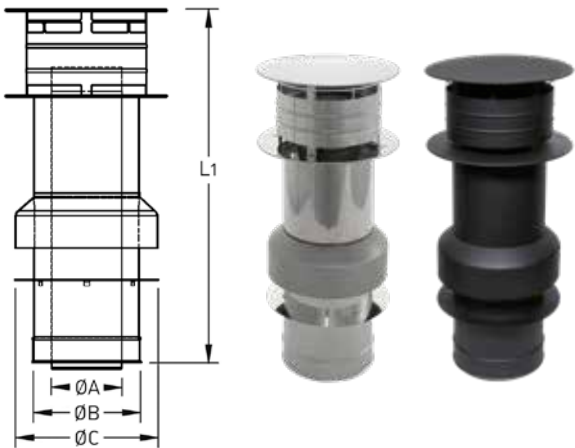
REDUCER

SYSTEM	CC100-150 / 130-200
ART.NR.	50.40.130.100.0
ØA	130
ØB	200
ØC	100
ØD	150
L2	125
WL	90



VERTICAL TERMINAL

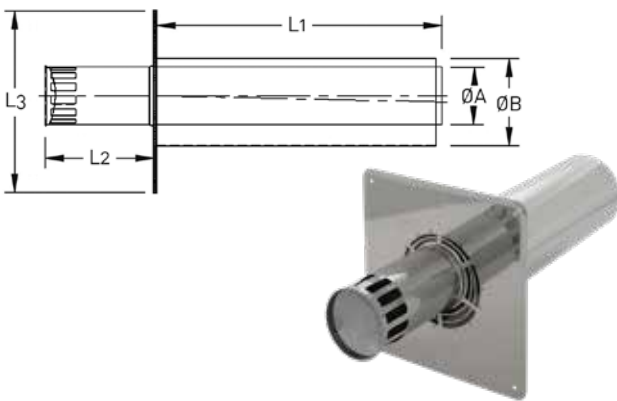
SYSTEM	CC100-150	CC130-200
ART.NR.	50.67.100.000.0	50.67.130.000.0
ART.NR. DECO	50.67.100.000.0.03	50.67.130.000.0.03
ØA	100	130
ØB	150	200
ØC	230	290
L1	502	502



See construction example on page 25

HORIZONTAL TERMINAL

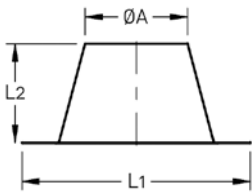
SYSTEM	CC100-150	CC130-200
ART.NR.	50.66.100.495.0	50.66.130.495.0
ØA	100	130
ØB	150	200
L1	495	495
L2	195	195
L3	265	315



See construction example on page 25

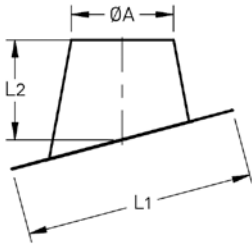
ROOF FLASHING 0° - 10°

SYSTEM	CC100-150	CC130-200
ART.NR.	50.64.100.010.0	50.64.130.010.0
ØA	170	210
L1	460 x 460	550 x 550
WL	195	195



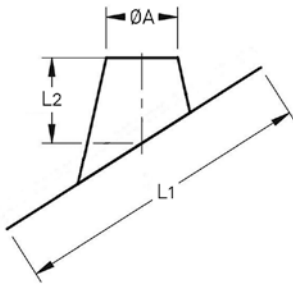
ROOF FLASHING 5° - 25°

SYSTEM	CC100-150	CC130-200
ART.NR.	50.65.100.025.0	50.65.130.025.0
ØA	170	210
L1	460 x 460	550 x 550
L2	190	195



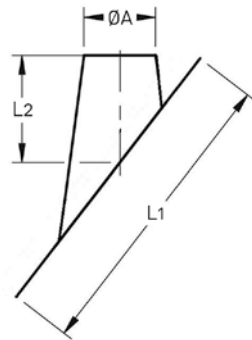
ROOF FLASHING LEAD 20° - 45°

SYSTEM	CC100-150	CC130-200
ART.NR.	50.61.100.045.0	50.61.130.045.0
ØA	170	210
L1	700 x 800	700 x 800
L2	210	240



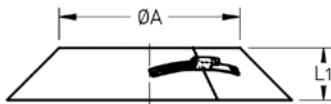
ROOF FLASHING LEAD 45° - 60°

SYSTEM	CC100-150	CC130-200
ART.NR.	50.61.100.060.0	50.61.130.060.0
ØA	170	210
L1	700 x 800	700 x 800
L2	290	300



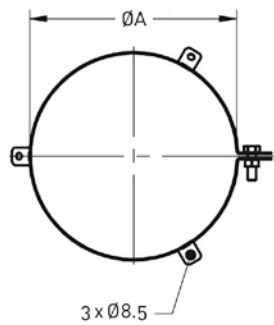
STORM COLLAR

SYSTEM	CC100-150	CC130-200
ART.NR.	50.56.100.000.0	50.56.130.000.0
ØA	150	200
L1	60	60



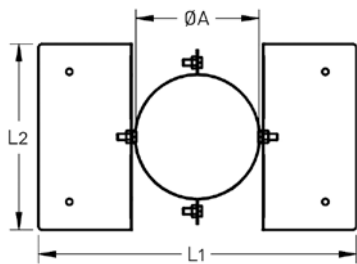
GUY WIRE BAND

SYSTEM	CC100-150	CC130-200
ART.NR.	50.73.100.000.0	50.73.130.000.0
ØA	150	200
H	50	50



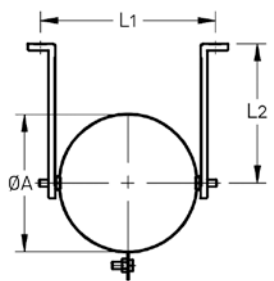
ROOF SUPPORT

SYSTEM	CC100-150	CC130-200
ART.NR.	50.72.100.000.0	50.72.130.000.0
ØA	150	200
L1	364	414
L2	300	300



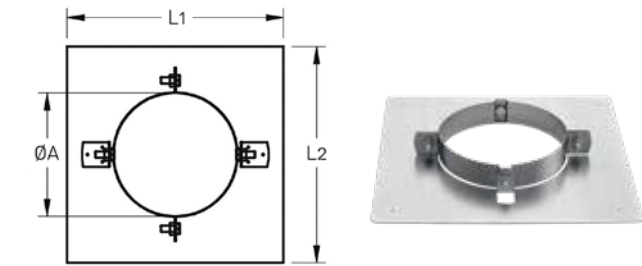
WALL BAND STAINLESS STEEL

SYSTEM	CC100-150	CC130-200
ART.NR.	50.70.100.000.0	50.70.130.000.0
ØA	150	200
L1	208	260
L2	120-175	148-203



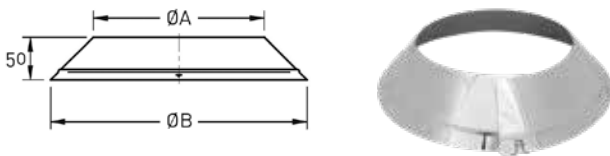
CEILING SUPPORT

SYSTEM	CC100-150	CC130-200
ART.NR.	50.82.100.000.0	50.82.130.000.0
ØA	150	200
L1	350	350
L2	350	350



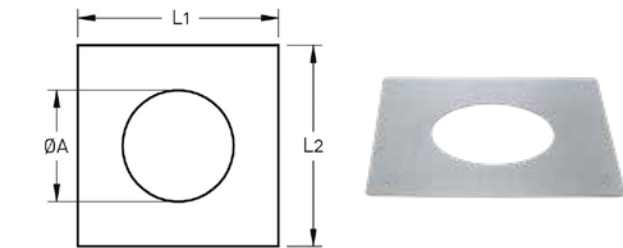
ADJUSTABLE ROSETTE STAINLESS STEEL

SYSTEM	CC100-150	CC130-200
ART.NR.	50.80.150.000.0	50.80.200.000.0
ØA	156	206
ØB	256	306



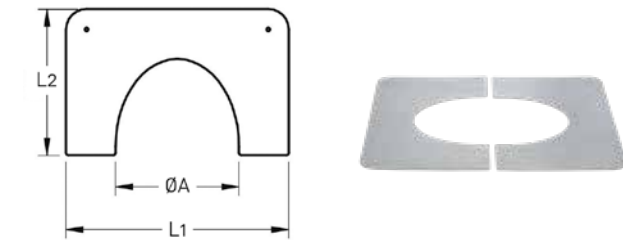
FIRE STOP PLATE FLAT

SYSTEM	CC100-150	CC130-200
ART.NR.	50.76.100.000.0	50.76.130.000.0
ØA	150	200
L1	300	350
L2	300	350



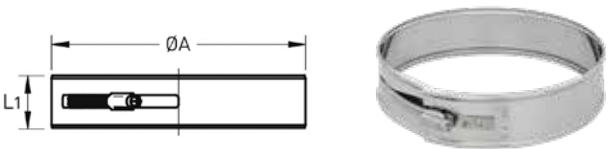
FIRE STOP PLATE ANGULAR

SYSTEM	CC100-150	CC130-200
ART.NR.	50.77.100.000.0	50.77.130.000.0
ØA	150	200
L1	300	350
L2	263	288



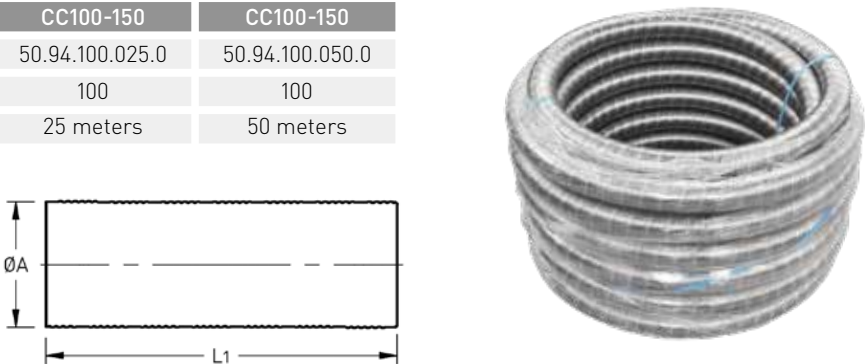
LOCKING BAND

SYSTEM	CC100-150	CC130-200
ART.NR.	50.91.100.000.0	50.91.130.000.0
ØA	150	200
L1	19,5	19,5



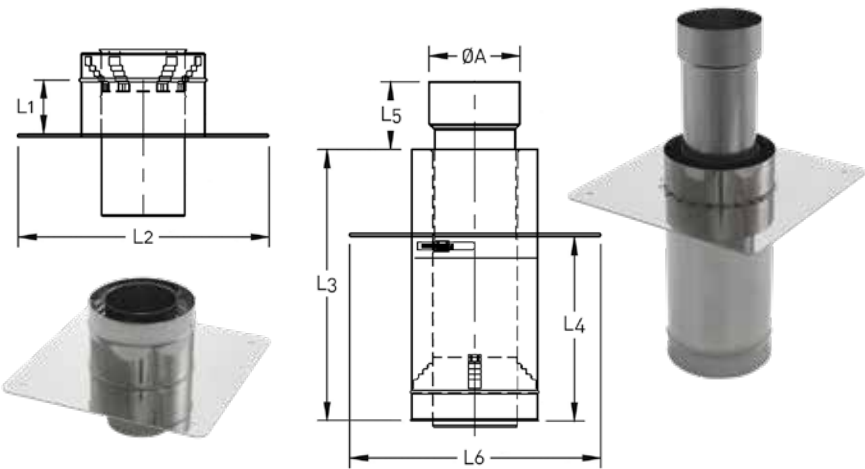
FLEXIBLE LINER

SYSTEM	CC100-150	CC100-150	CC100-150
ART.NR.	50.94.100.010.0	50.94.100.025.0	50.94.100.050.0
ØA	100	100	100
L1	10 meters	25 meters	50 meters



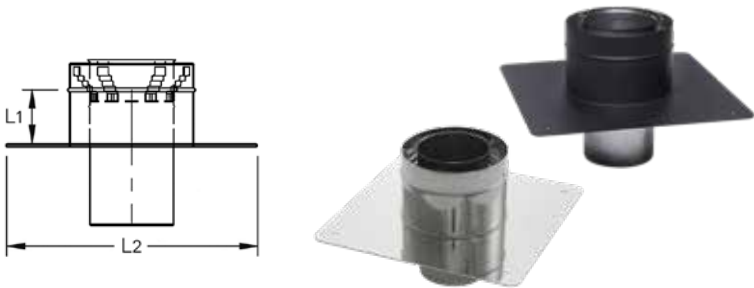
RENOVATION SET COMPLETE

SYSTEM	CC100-150
ART.NR.	50.93.100.000.0
ØA	108
L1	100
L2	300 x 300
L3	323
L4	60-300
L5	60-250
L6	300 x 300



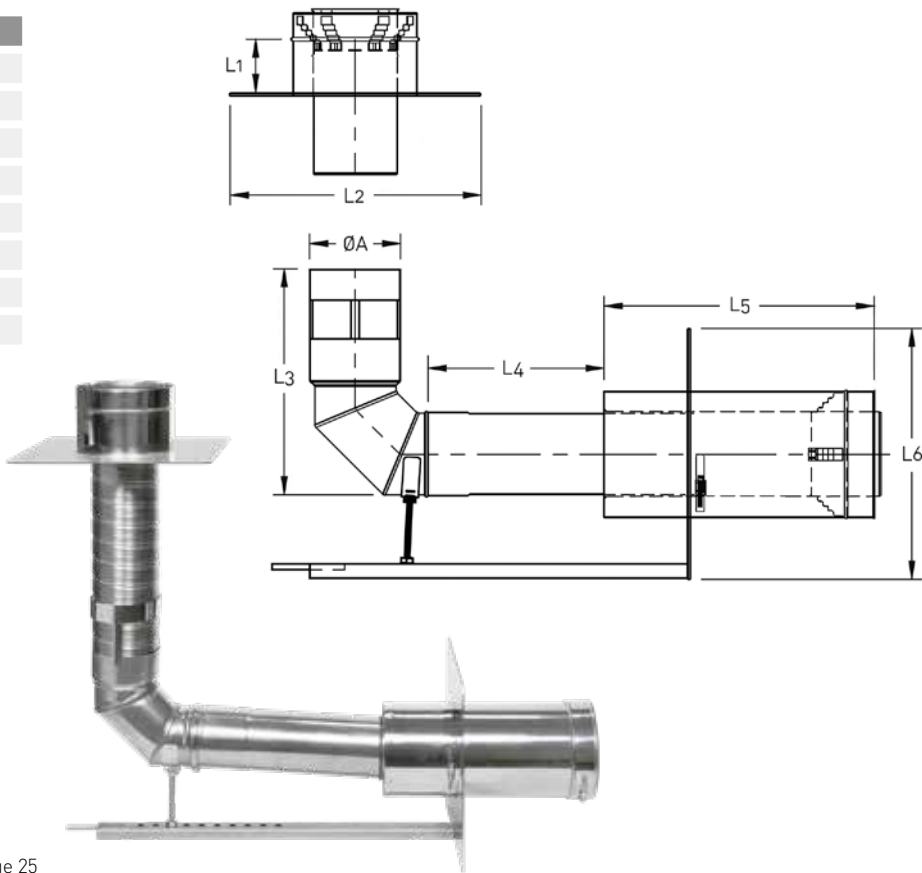
RENOVATION SET - UPPER PART

SYSTEM	CC100-150
ART.NR.	50.93.100.000.0.01
ART.NR. DECO	50.93.100.000.0.01.03
L1	100
L2	300 x 300



RENOVATION SET SHAFT WITH UPPER PART*

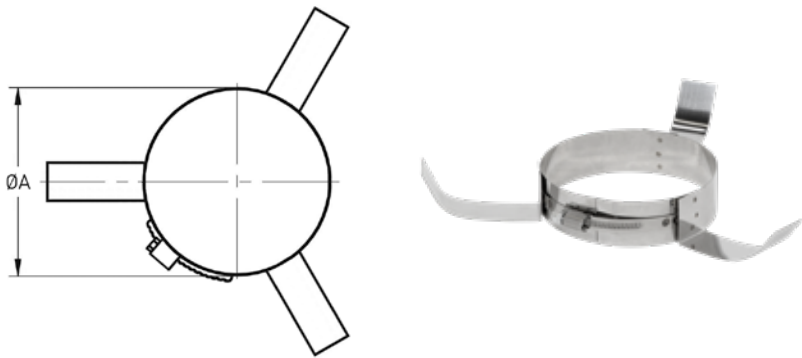
SYSTEM	CC100-150
ART.NR.	50.93.100.090.1
ØA	108
L1	100
L2	300 x 300
L3	268
L4	50-250
L5	323
L6	300 x 300



See construction example on page 25
*Flexible liner available separately

SPACER FLEXIBLE LINER

SYSTEM	CC100-150
ART.NR.	60.96.100.000.0
ØA	100



CONCENTRIC DECO
BALANCED FLUE SYSTEM

New in our concentric flue range is HOLETHERM CC DECO, elegant connecting pipes between the appliance and the CC concentric flue system. These pipes do not have any visible locking bands but are nicely sleek and available in black coated stainless steel. Both the design and ease of installation are of a very high level and can be seen with every gas fireplace!

The connection of the various sections and elements is carried out by means of a click connection with the cam spring. Turn the flue to the correct position and when you hear the “click” it is already securely attached. It has never been so easy to quickly install

a beautiful connecting pipe! The HOLETHERM CC DECO system is the first and only system that works with this unique click connection and that is why it is proudly applied for a patent.

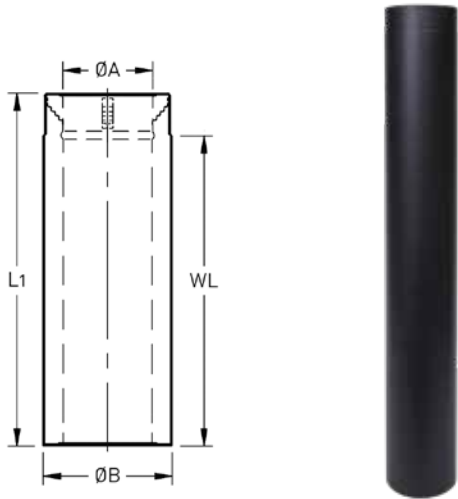
HOLETHERM CC DECO is made of high-quality stainless steel material and is resistant to high temperatures and flue gases. The system has been tested according to applicable European CE product requirements.

LEW0 provides a **warranty of no less than 30 years** on HOLETHERM CC DECO air supply and flue gas discharge system.



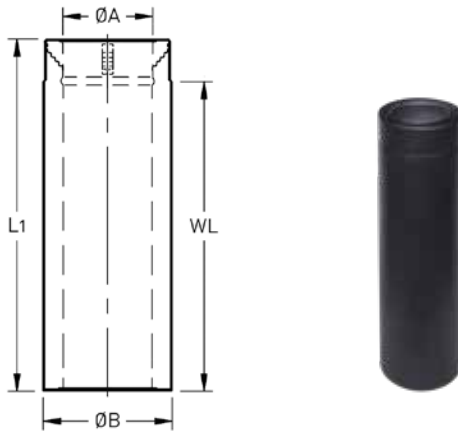
DECO SECTION LENGTH 1000 MM

SYSTEM	CC-DECO100-150
ART.NR.	51.10.100.001.003
ØA	100
ØB	150
L1	1000
WL	952



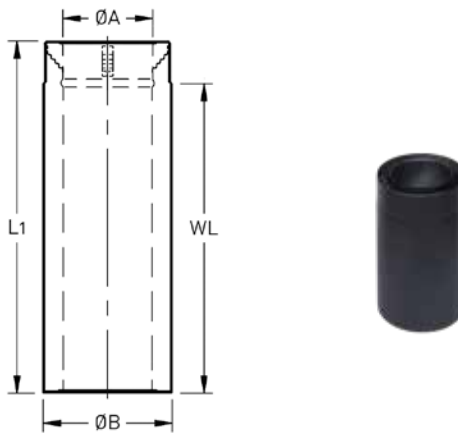
DECO SECTION LENGTH 500 MM

SYSTEM	CC-DECO100-150
ART.NR.	51.10.100.500.003
ØA	100
ØB	150
L1	500
WL	452



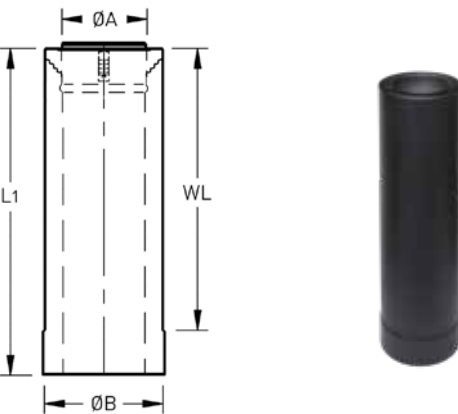
DECO SECTION LENGTH 250 MM

SYSTEM	CC-DECO100-150
ART.NR.	51.10.100.250.003
ØA	100
ØB	150
L1	250
WL	203



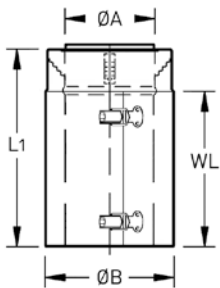
DECO ADJUSTABLE LENGTH

SYSTEM	CC-DECO100-150
ART.NR.	51.11.100.400.003
ØA	100
ØB	150
L1	500
WL	50-400



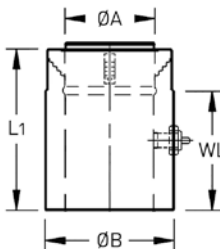
DECO INSPECTION SECTION

SYSTEM	CC-DECO100-150
ART.NR.	51.14.100.250.003
ØA	100
ØB	150
L1	250
WL	199



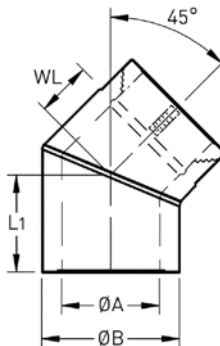
DECO MEASURING ELEMENT

SYSTEM	CC-DECO100-150
ART.NR.	51.15.100.150.003
ØA	100
ØB	150
L1	170
WL	122



DECO ELBOW 45°

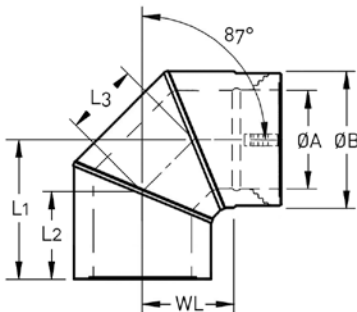
SYSTEM	CC-DECO100-150
ART.NR.	51.20.100.045.003
ØA	100
ØB	150
L1	80
WL	47



See offset table on page 24

DECO ELBOW 90°

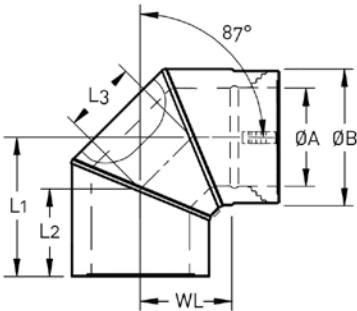
SYSTEM	CC-DECO100-150
ART.NR.	51.20.100.090.003
ØA	100
ØB	150
L1	145
L2	80
L3	90
WL	106



See offset table on page 24

DECO INSPECTION ELBOW 90°

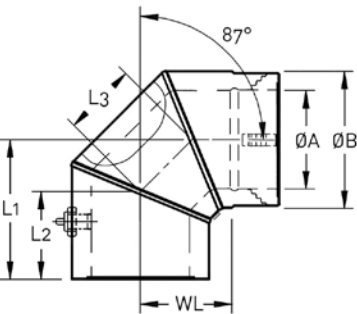
SYSTEM	CC-DECO100-150
ART.NR.	51.22.100.090.003
ØA	100
ØB	150
L1	145
L2	80
L3	90
WL	106



See offset table on page 24

DECO INSPECTION ELBOW 90° WITH MEASURING POINT

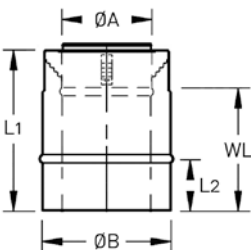
SYSTEM	CC-DECO100-150
ART.NR.	51.23.100.090.003
ØA	100
ØB	150
L1	145
L2	80
L3	90
WL	106



See offset table on page 24

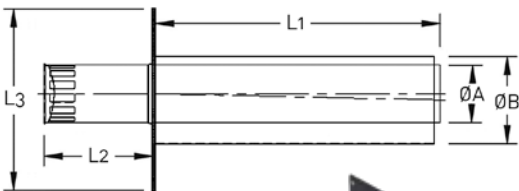
DECO CONNECTOR

SYSTEM	CC-DECO100-150
ART.NR.	51.30.100.120.003
ØA	100
ØB	150
L1	155
L2	50
WL	120



DECO HORIZONTAL TERMINAL

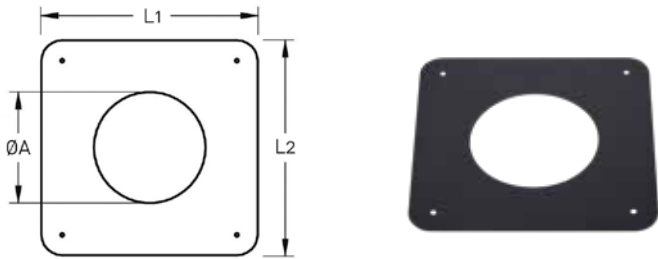
SYSTEM	CC-DECO100-150
ART.NR.	50.66.100.150.003
ØA	100
ØB	150
L1	495
L2	195
L3	265



See construction example on page 25

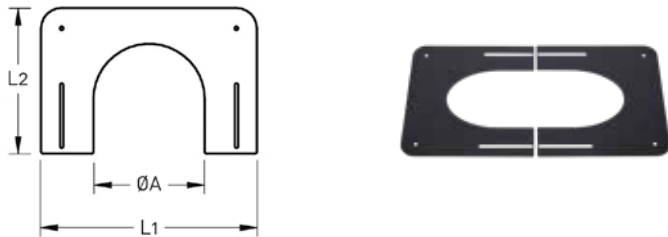
DECO FIRE STOP PLATE FLAT

SYSTEM	CC-DECO100-150
ART.NR.	51.76.100.000.003
ØA	150
L1	300
L2	300



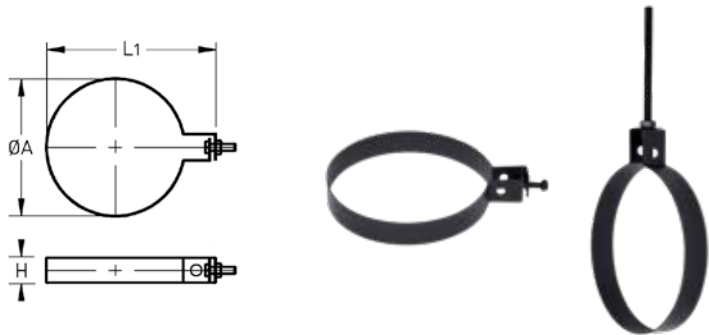
DECO FIRE STOP PLATE ANGULAR

SYSTEM	CC-DECO100-150
ART.NR.	51.77.100.000.003
ØA	150
L1	300
L2	263



DECO WALL / CEILING BAND

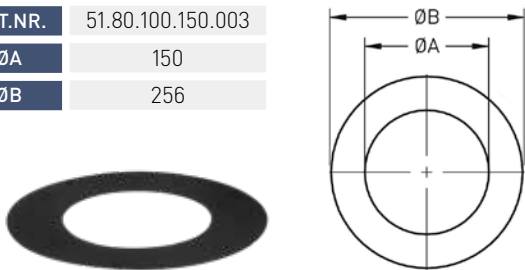
SYSTEM	CC-DECO100-150
ART.NR.	51.70.100.000.003
ØA	150
L1	185
H	25



Attach with threaded rod or pole anchor (not included)

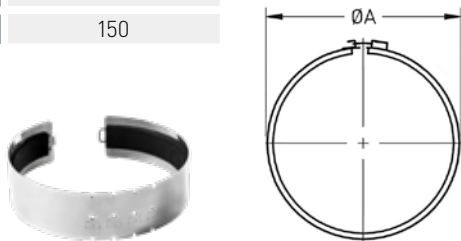
DECO ROSETTE

SYSTEM	CC-DECO100-150
ART.NR.	51.80.100.150.003
ØA	150
ØB	256



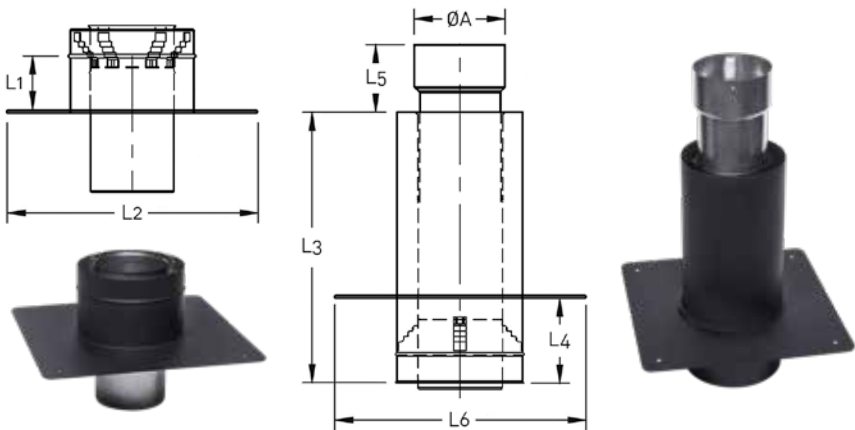
DRILLING TEMPLATE

SYSTEM	CC(-DECO)100-150
ART.NR.	51.49.100.000.0
ØA	150



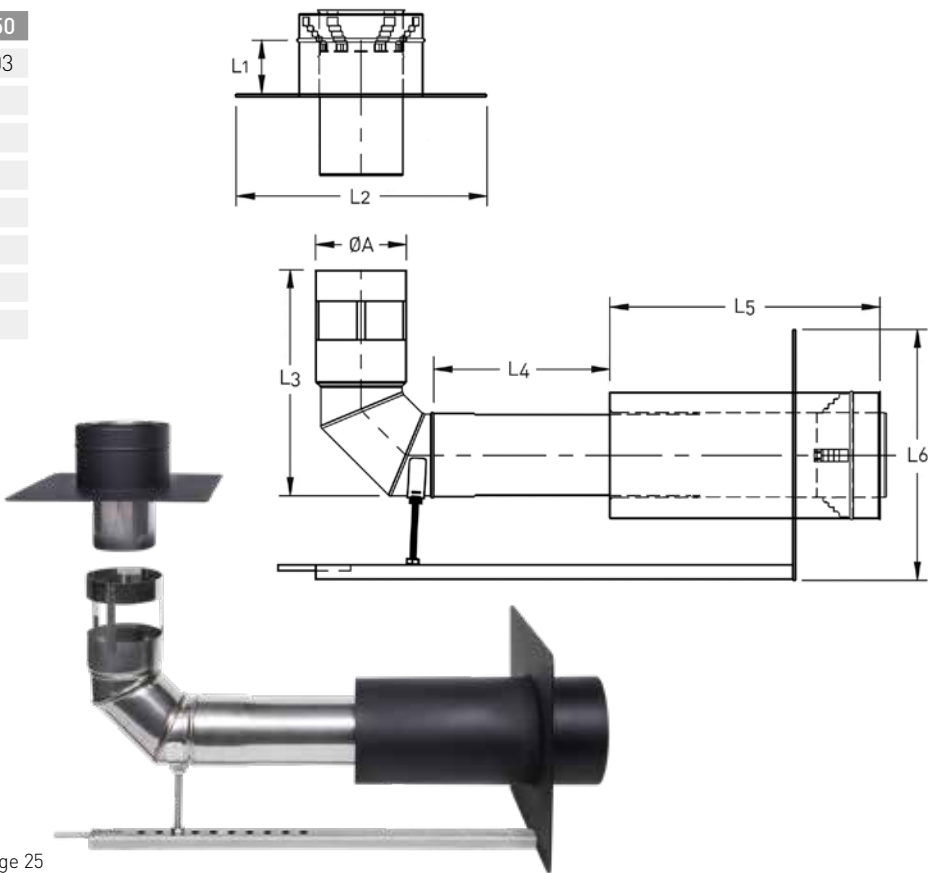
DECO RENOVATION SET COMPLETE

SYSTEM	CC-DECO100-150
ART.NR.	51.93.100.000.003
ØA	108
L1	100
L2	300 x 300
L3	323
L4	60-300
L5	0-200
L6	300 x 300



DECO RENOVATION SET SHAFT WITH UPPER PART*

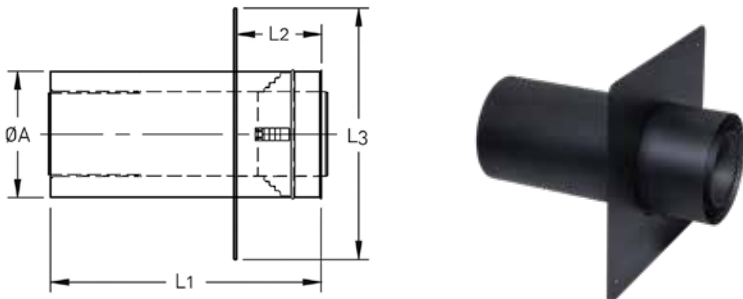
SYSTEM	CC-DECO100-150
ART.NR.	51.93.100.090.003
ØA	108
L1	100
L2	300 x 300
L3	268
L4	50-250
L5	323
L6	300 x 300



See construction example on page 25
*Flexible liner available separately

DECO RENOVATION SET BOTTOM COVER

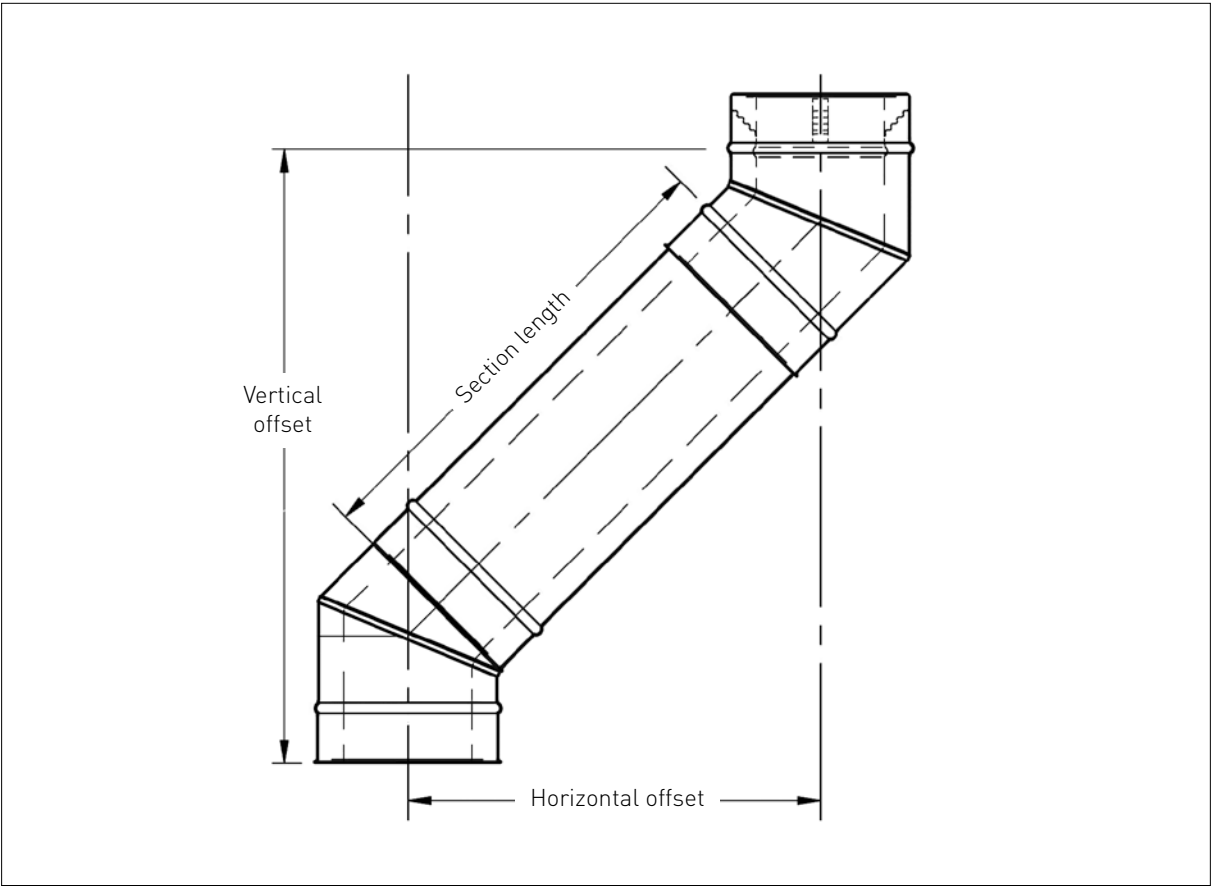
SYSTEM	CC-DECO100-150
ART.NR.	51.80.100.150.003
ØA	150
L1	323
L2	60-300
L3	300 x 300



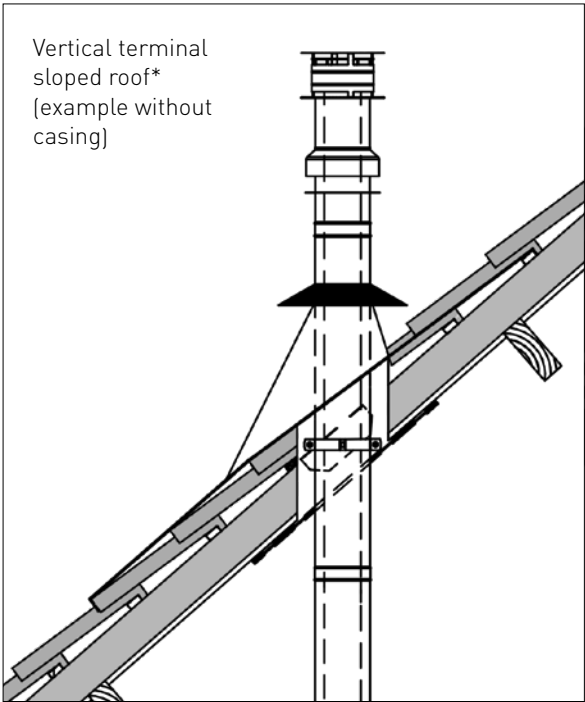
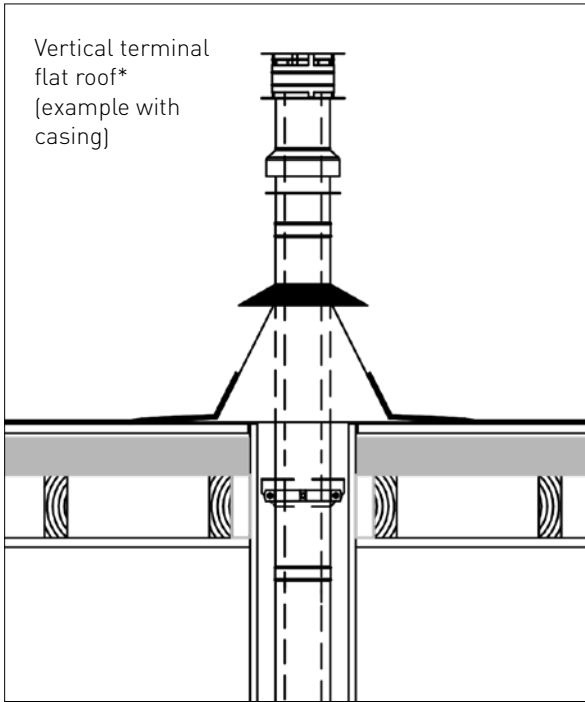
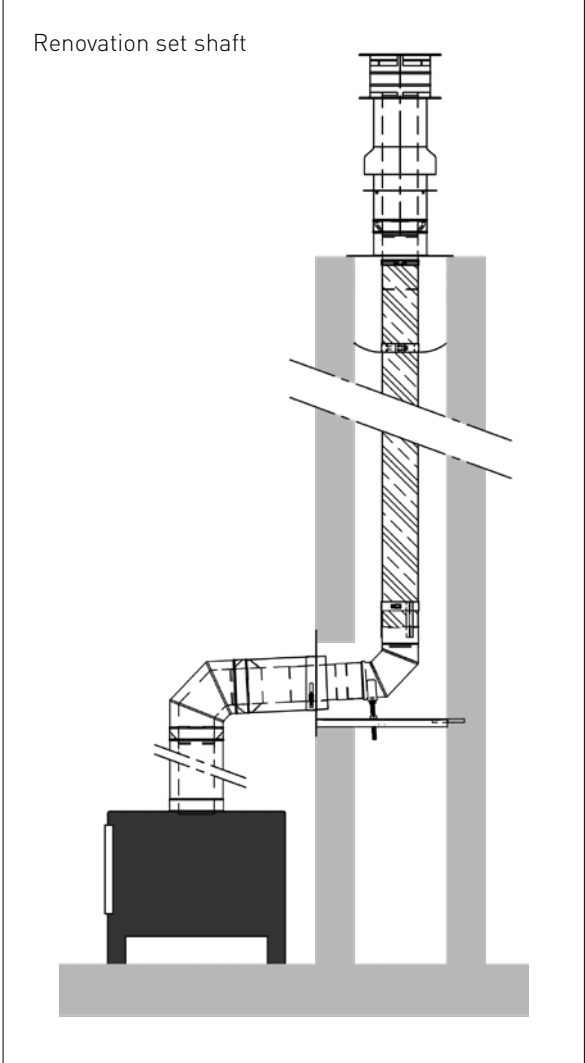
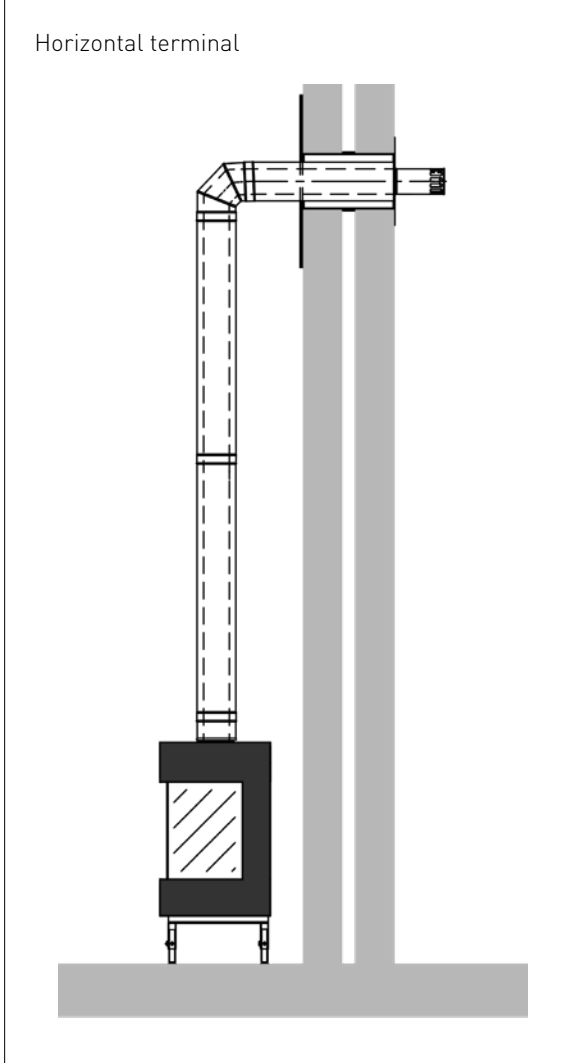
OFFSET TABLE

System	Elbow angle	Section length	no section	250	500	1000
		Operating section length	0	203	452	952
CC100-150	15°	Horizontal offset	33	85	150	279
		Vertical offset	250	446	686	1169
	30°	Horizontal offset	64	165	290	540
		Vertical offset	237	413	628	1061
	45°	Horizontal offset	90	233	409	763
		Vertical offset	217	360	536	890
	90°	Horizontal offset	252	455	704	1204
		Vertical offset	285	296	309	335
CC130-200	15°	Horizontal offset	38	91	155	284
		Vertical offset	289	485	726	1209
	30°	Horizontal offset	74	175	300	550
		Vertical offset	274	450	666	1099
	45°	Horizontal offset	104	248	424	777
		Vertical offset	251	395	571	924
	90°	Horizontal offset	305	508	757	1257
		Vertical offset	321	332	345	371

All dimensions in mm



CONSTRUCTION EXAMPLES



*see installation instructions

DECLARATION OF PERFORMANCE

1	Unique identification code	Holetherm Concentric stainless-steel balanced flue system according to EN 14989-2:2007		
2	Product name and type	Holetherm Concentric (CC)		
	Characteristic designation	T450-N1-D-V2-L50040-050* Dn 100/150 and 130/200		
3	Product application	Convey products of combustion from heating appliances to outside		
4	Name and address of manufacturer	Lewo B.V., Laagerfseweg 29, 3931 PC Woudenberg NL		
5	Representative	Not applicable		
6	Assessment / verification system	2+		
7	Certifying body	Kiwa Cermet Italia S.p.A. (identification code: 0476)		
	Conformity certificate no.	0476-CPR-5526		
	Essential characteristics	Performance	Harmonised technical specification	
8.1	Compressive strength Chimney sections and fittings	25 m	EN 14989-2:2007	
8.2	Resistance to fire (from inside to outside)	T450-O(50) Tested without cap, with ventilating terminals	EN 14989-2:2007	
8.3	Gas-tightness	N1	EN 14989-2:2007	
8.4	Flow resistance	Roughness value of sections: 1 mm	EN 14989-2:2007	
		Zeta value of elbows and T-pieces:		
		15° 30° 45° 90° 0,15 0,3 0,4 0,5		
8.5	Thermal resistance	0 m² K/W	EN 14989-2:2007	
8.6	Thermoshock resistance	No	EN 14989-2:2007	
8.7	Flexural tensile strength of: - Connections - Non-vertical installation - Wind load	10 m Distance between two supports: 2 m Maximum free-standing height: 2 m	EN 14989-2:2007	
8.8	Resistance against chemicals: - water and vapour diffusion - condensate penetration	Yes Yes	EN 14989-2:2007	
8.9	Resistance against corrosion	V2	EN 14989-2:2007	
8.10	Freeze / thaw resistance	Yes	EN 14989-2:2007	

EXPLANATION OF CHARACTERISTIC DESIGNATION

T450 : Temperature class
N1 : Pressure class
D : Dry application
V2 : Corrosion class
L50040 : Material spec. 1,4404 0.4 mm
O : Not soot fire safe
50 : Distance to combustible materials is 50 mm
* If fitted according to the installation instructions, the distance to the casing is 0 mm

CE

017

0476

Lewo B.V.

Laagerfseweg 29

3931 PC Woudenberg NL

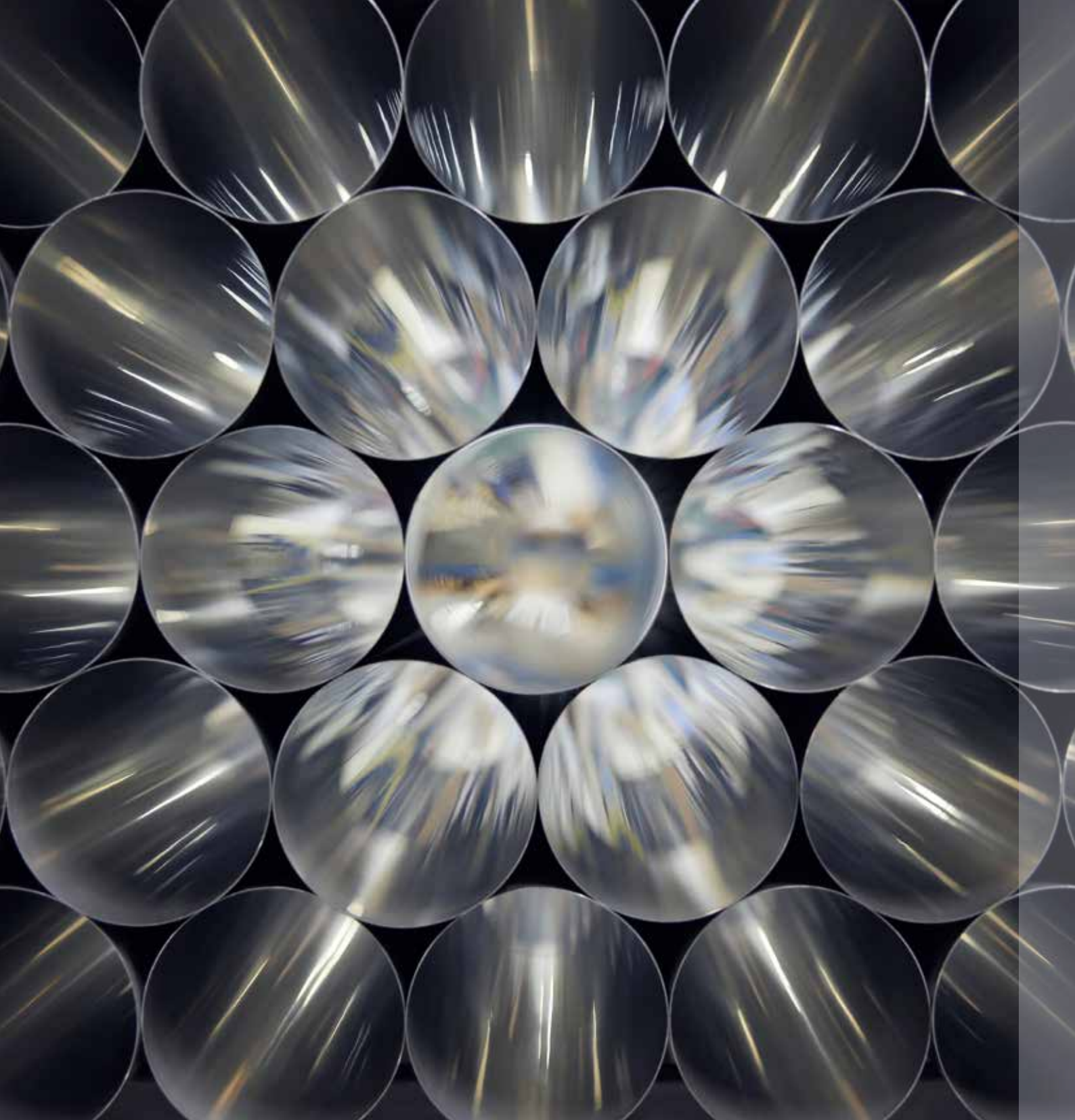
www.holetherm.com

0476-CPR-5526

EN 14989-2

T450-D-N1-V2-L50040-050

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LEWO B.V.

Laagerfseweg 29 | 3931 PC Woudenberg | The Netherlands | holetherm@lewo.nl

WWW.HOLETHERM.COM