



DOUBLE WALL CONCENTRIC & CONCENTRIC DECO
BALANCED FLUE SYSTEM

HOLETHERM

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 factory 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, cowls 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 is 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.

In addition to the well-known double-wall insulated flues, the product range consists of single-walled 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.
- more than 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 HEATERS
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. In the coming period, all our products will move from a BA (glossy) to a 2B (matt) finish.

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.

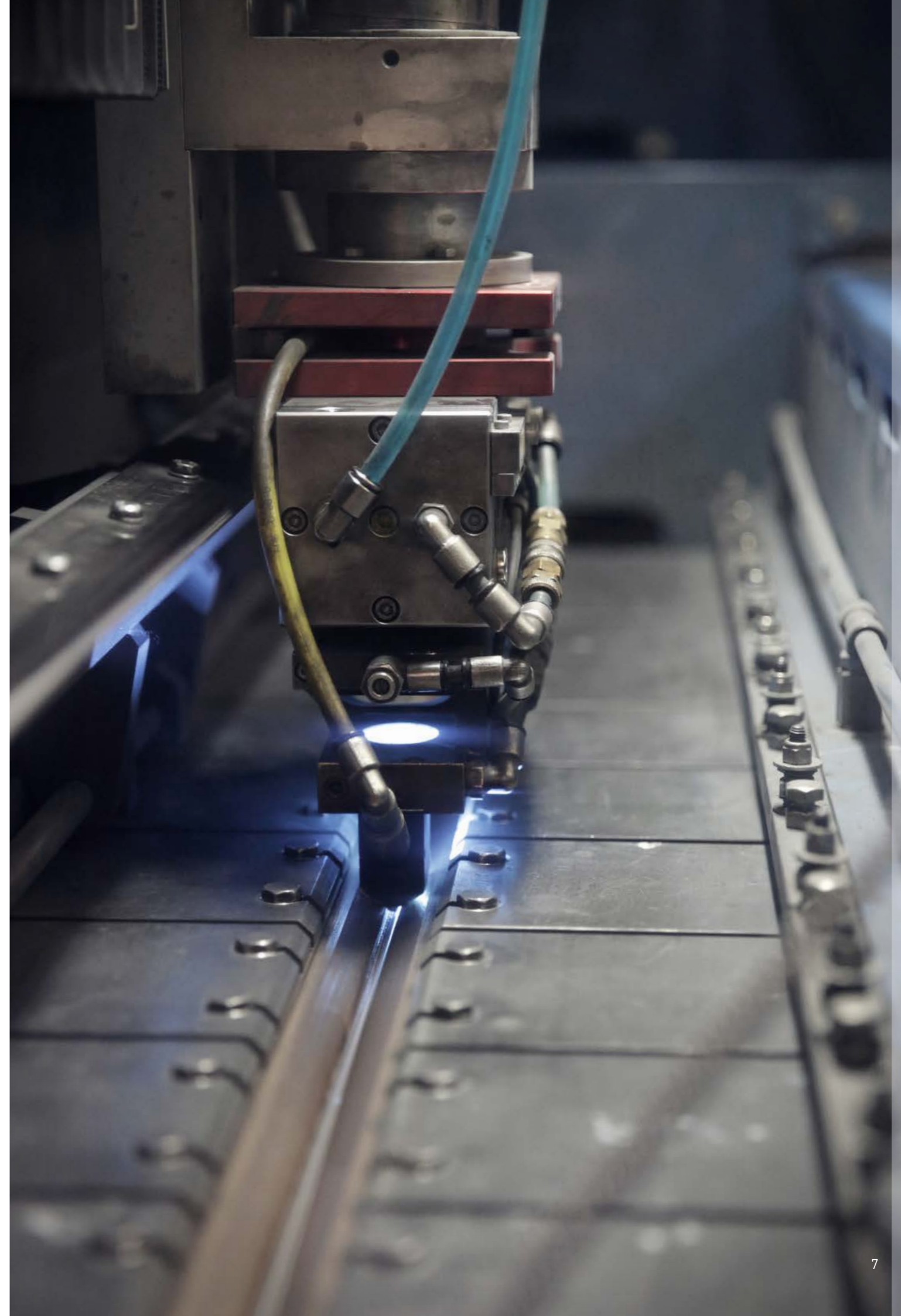
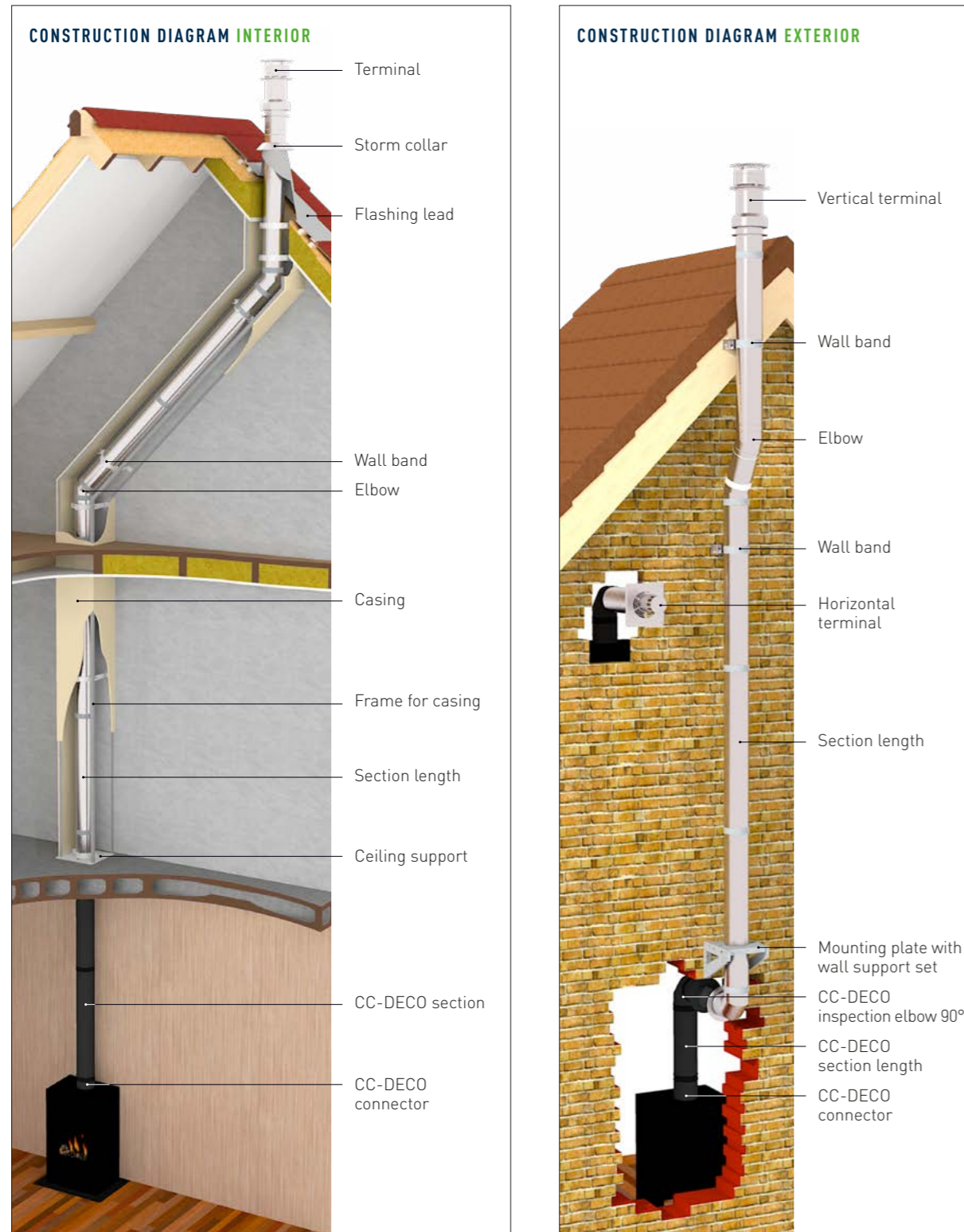
New in our range is **Holetherm CC DECO**, elegant connecting pipes between the appliance and the flue pipe. These pipes have no flashy locking bands and creases, but are nice and smooth executed in black coated stainless steel (see page 18).



LEWO provides a **warranty of no less than 30 years** on the Holetherm double-wall concentric balanced flue system. For more than 40 years, this has been a proven, very safe system made from sustainable, fully recyclable material.

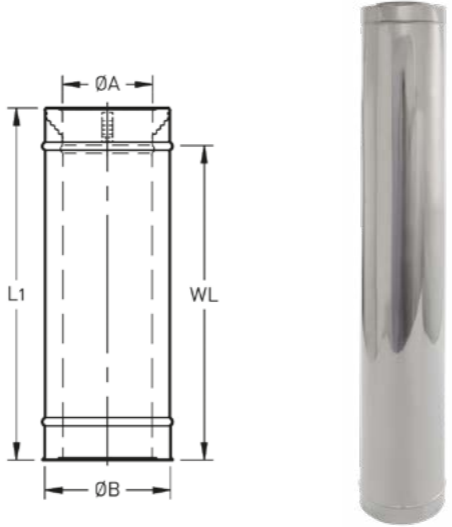


CONSTRUCTION DIAGRAM DOUBLE WALL CONCENTRIC ACCORDING TO ASSEMBLY INSTRUCTIONS



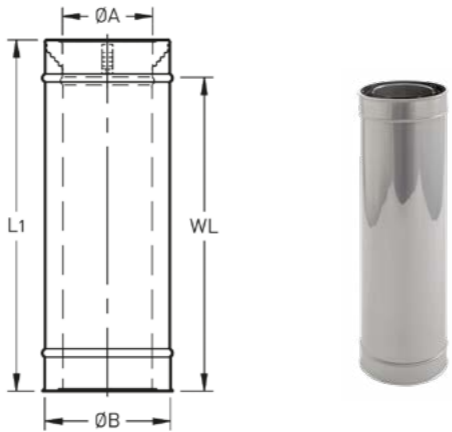
SECTION LENGTH 1000 MM

SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.10.100.001.0	100	150	1000	952
CC130-200	50.10.130.001.0	130	200	1000	952



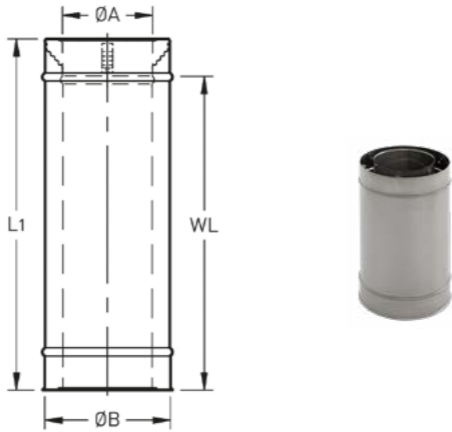
SECTION LENGTH 500 MM

SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.10.100.500.0	100	150	500	452
CC130-200	50.10.130.500.0	130	200	500	452



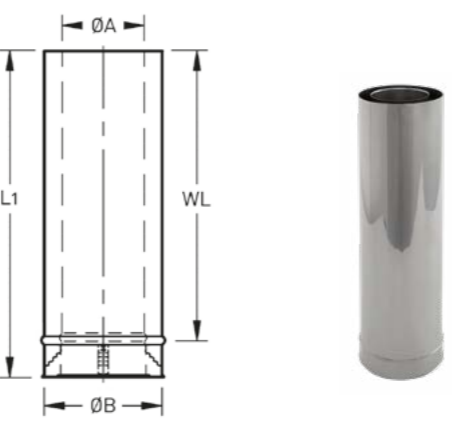
SECTION LENGTH 250 MM

SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.10.100.250.0	100	150	250	203
CC130-200	50.10.130.250.0	130	200	250	203



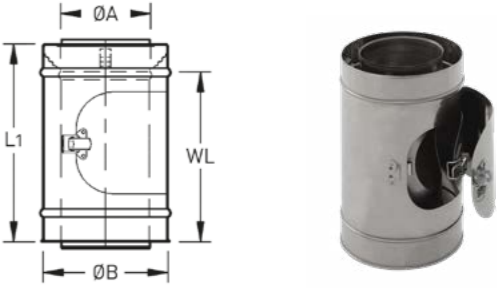
ADJUSTABLE LENGTH

SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.11.100.400.0	100	150	500	50 - 400
CC130-200	50.11.130.400.0	130	200	500	50 - 400



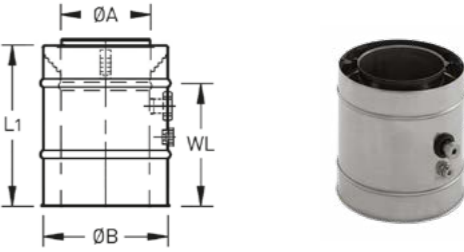
INSPECTION SECTION

SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.14.100.250.0	100	150	250	199
CC130-200	50.14.130.250.0	130	200	250	199



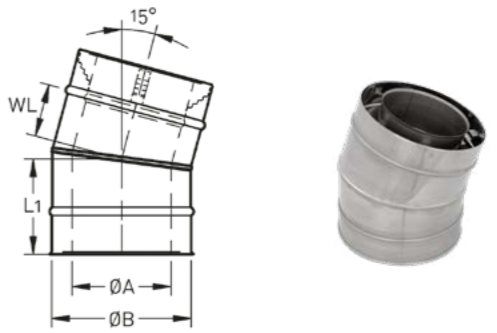
MEASURING ELEMENT

SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.15.100.150.0	100	150	170	122
CC130-200	50.15.130.150.0	130	200	170	122



ELBOW 15°

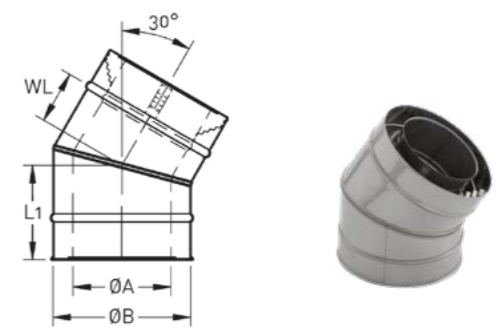
SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.20.100.015.0	100	150	80	47
CC130-200	50.20.130.015.0	130	200	90	57



See offset table on page 24

ELBOW 30°

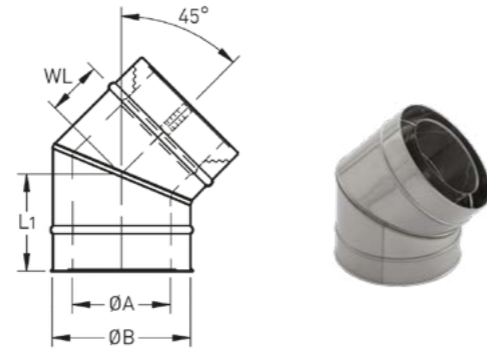
SYSTEM	ART. NO.	ØA	ØB	L1	WL
CC100-150	50.20.100.030.0	100	150	80	47
CC130-200	50.20.130.030.0	130	200	90	57



See offset table on page 24

ELBOW 45°

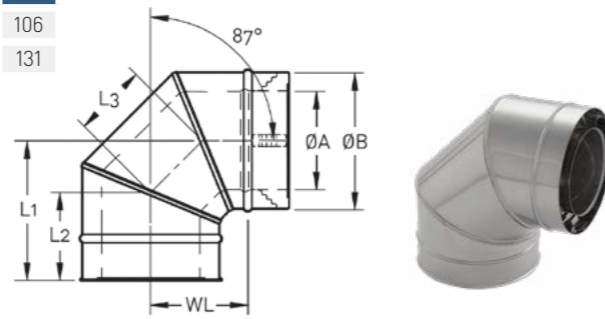
SYSTEM	ART.NR.	ØA	ØB	L1	WL
CC100-150	50.20.100.045.0	100	150	80	47
CC130-200	50.20.130.045.0	130	200	90	57



See offset table on page 24

ELBOW 90°

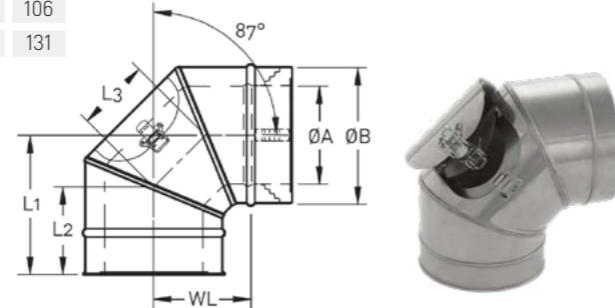
SYSTEM	ART. NO.	ØA	ØB	L1	L2	L3	WL
CC100-150	50.20.100.090.0	100	150	145	80	90	106
CC130-200	50.20.130.090.0	130	200	179	97	110	131



See offset table on page 24

INSPECTION ELBOW 90°

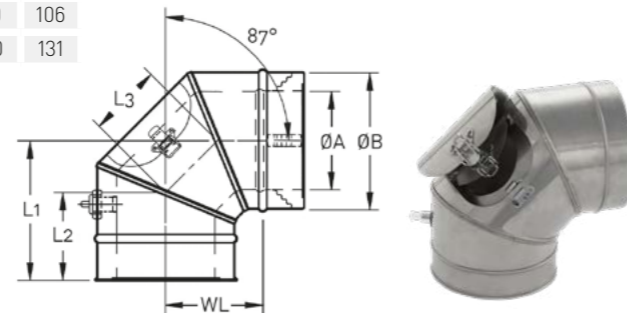
SYSTEM	ART. NO.	ØA	ØB	L1	L2	L3	WL
CC100-150	50.22.100.090.0	100	150	145	80	90	106
CC130-200	50.22.130.090.0	130	200	179	97	110	131



See offset table on page 24

INSPECTION ELBOW 90° WITH MEASURING POINT

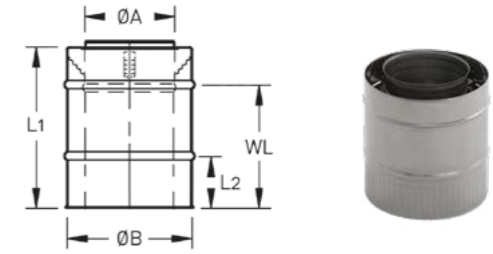
SYSTEM	ART. NO.	ØA	ØB	L1	L2	L3	WL
CC100-150	50.23.100.090.0	100	150	145	80	90	106
CC130-200	50.23.130.090.0	130	200	179	97	110	131



See offset table on page 24

CONNECTOR

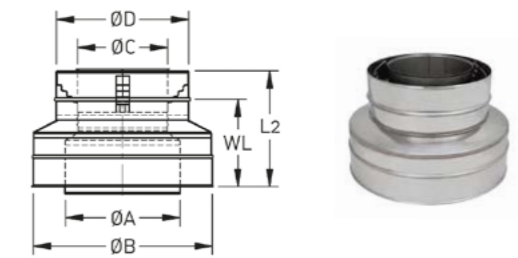
SYSTEM	ART. NO.	ØA	ØB	L1	L2	WL
CC100-150	50.30.100.120.0	100	150	155	50	120
CC130-200	50.30.130.120.0	130	200	155	50	120



Special appliance connectors available on request

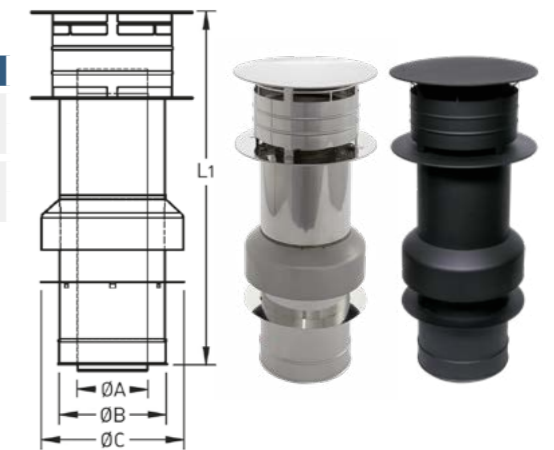
REDUCER

SYSTEM	ART. NO.	ØA	ØB	ØC	ØD	L2	WL
CC100-150 / CC130-200	50.40.130.100.0	130	200	100	150	125	90



VERTICAL TERMINAL

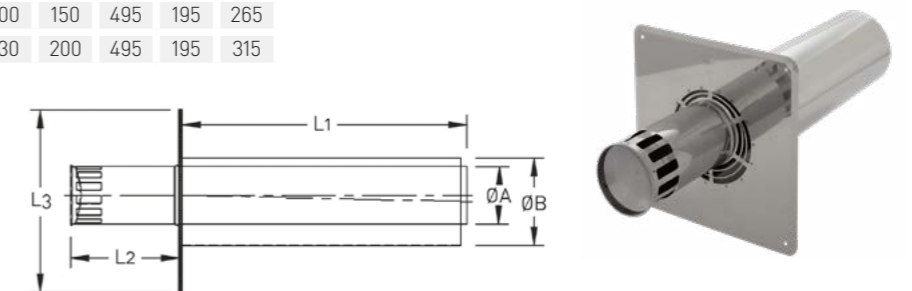
SYSTEM	FINISH	ART. NO.	ØA	ØB	ØC	L1
CC100-150	untreated	50.67.100.000.0	100	150	230	502
	black 310	50.67.100.000.004	100	150	230	502
CC130-200	untreated	50.67.130.000.0	130	200	290	502
	black 310	50.67.130.000.004	130	200	290	502



See construction example on page 25

HORIZONTAL TERMINAL

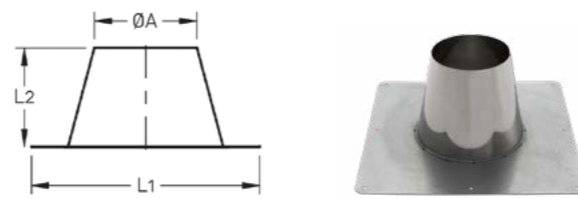
SYSTEM	ART. NO.	ØA	ØB	L1	L2	L3
CC100-150	50.66.100.495.0	100	150	495	195	265
CC130-200	50.66.130.495.0	130	200	495	195	315



See construction example on page 25

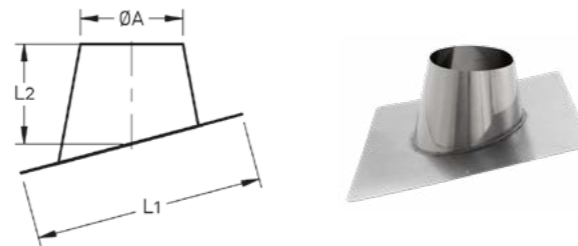
ROOF FLASHING 0° - 10°

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.64.100.010.0	170	460 x 460	195
CC130-200	50.64.130.010.0	210	550 x 550	195



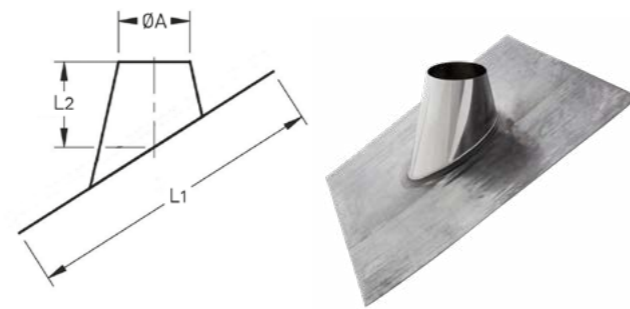
ROOF FLASHING 5° - 25°

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.65.100.025.0	170	460 x 460	190
CC130-200	50.65.130.025.0	210	550 x 550	195



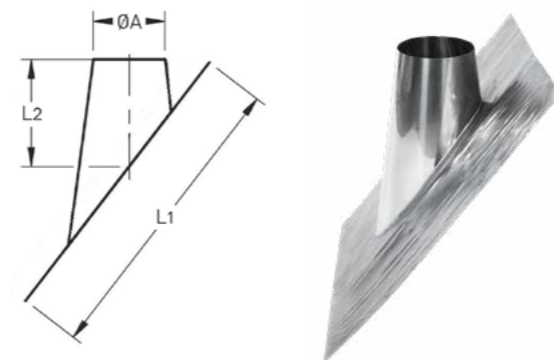
ROOF FLASHING LEAD 20° - 45°

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.61.100.045.0	170	700 x 800	210
CC130-200	50.61.130.045.0	210	700 x 800	240



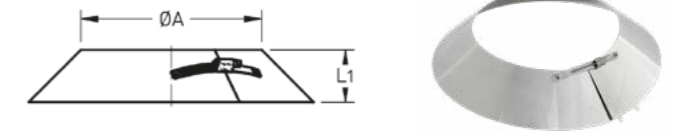
ROOF FLASHING LEAD 45° - 60°

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.61.100.060.0	170	700 x 800	290
CC130-200	50.61.130.060.0	210	700 x 800	300



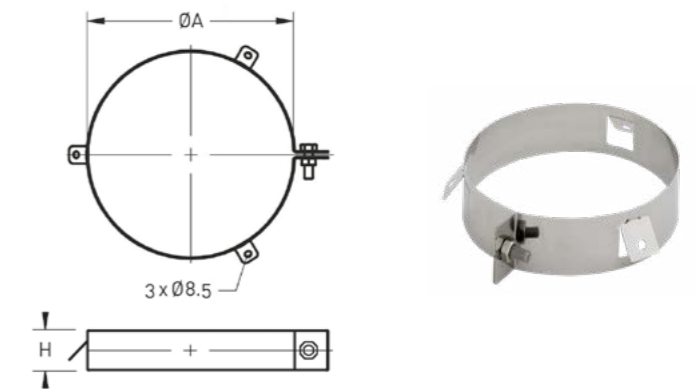
STORM COLLAR

SYSTEM	ART. NO.	ØA	L1
CC100-150	50.56.100.000.0	150	60
CC130-200	50.56.130.000.0	200	60



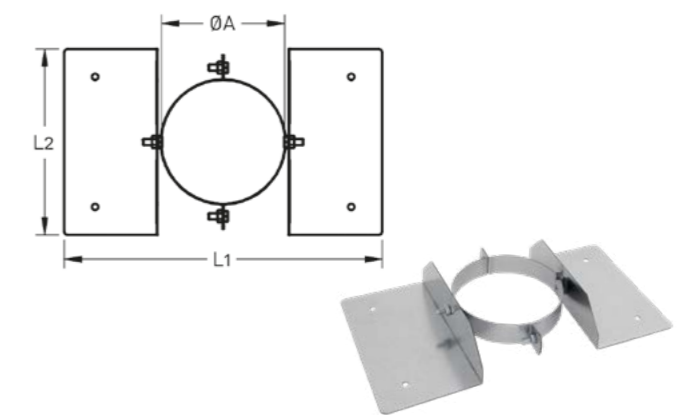
GUY WIRE BAND

SYSTEM	ART. NO.	ØA	H
CC100-150	50.73.100.000.0	150	50
CC130-200	50.73.130.000.0	200	50



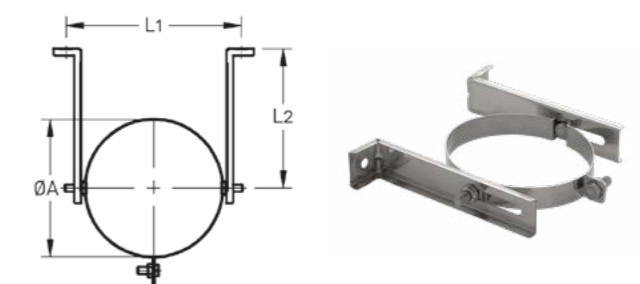
ROOF SUPPORT

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.72.100.000.0	150	364	300
CC130-200	50.72.130.000.0	200	414	300



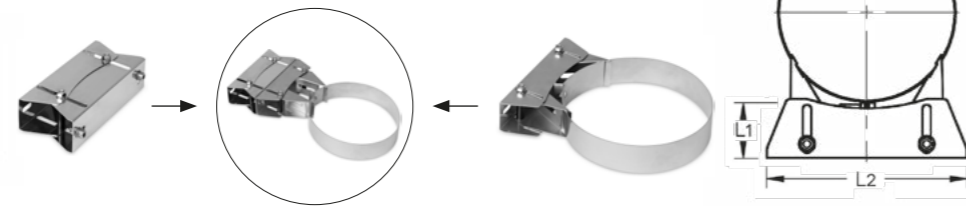
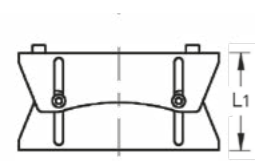
WALL BAND STAINLESS STEEL

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.70.100.000.0	150	208	120 - 175
CC130-200	50.70.130.000.0	200	260	148 - 203



ADJUSTABLE SPACER

SYSTEM	ART. NO.	L1
CC100-150	51.96.050.090.0	60 - 98
CC130-200		

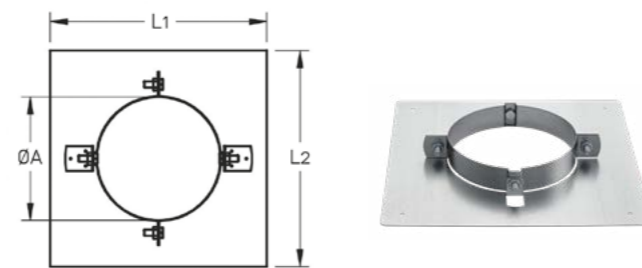


ADJUSTABLE WALL BAND

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	51.70.100.090.0	150	50 - 90	200
CC130-200	51.70.130.090.0	200	50 - 90	200

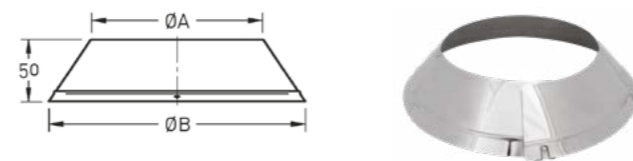
CEILING SUPPORT

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.82.100.000.0	150	350	350
CC130-200	50.82.130.000.0	200	350	350



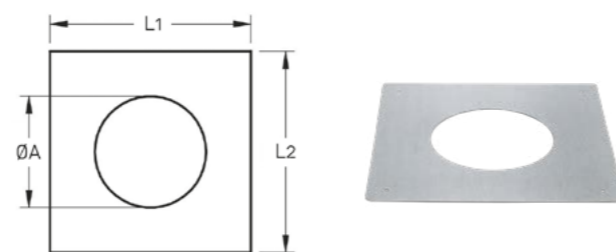
ADJUSTABLE ROSETTE STAINLESS STEEL

SYSTEM	ART. NO.	ØA	ØB
CC100-150	50.80.150.000.0	156	206
CC130-200	50.80.200.000.0	256	306



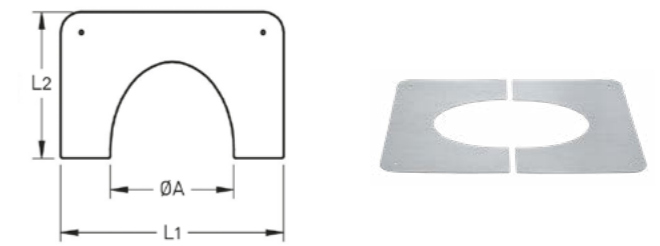
FIRE STOP PLATE FLAT

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.76.100.000.0	150	300	300
CC130-200	50.76.130.000.0	200	350	350



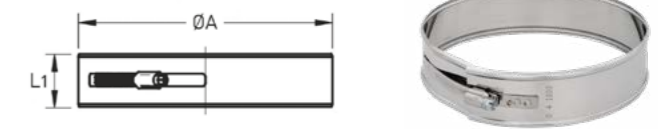
FIRE STOP PLATE ANGULAR

SYSTEM	ART. NO.	ØA	L1	L2
CC100-150	50.77.100.000.0	150	300	263
CC130-200	50.77.130.000.0	200	350	288



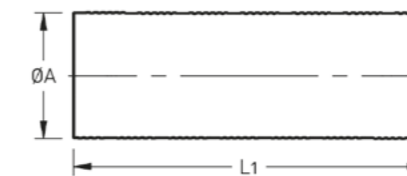
LOCKING BAND

SYSTEM	ART. NO.	ØA	L1
CC100-150	50.91.100.000.0	150	19.5
CC130-200	50.91.130.000.0	200	19.5



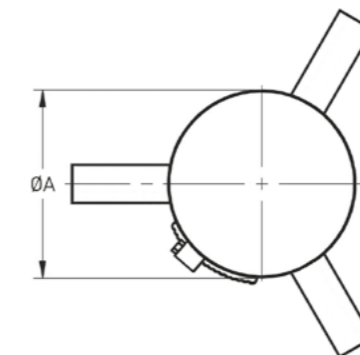
FLEXIBLE LINER

SYSTEM	ART. NO.	ØA	L1
	50.94.100.010.0	100	10 meters
CC100-150	50.94.100.025.0	100	25 meters
	50.94.100.050.0	100	50 meters



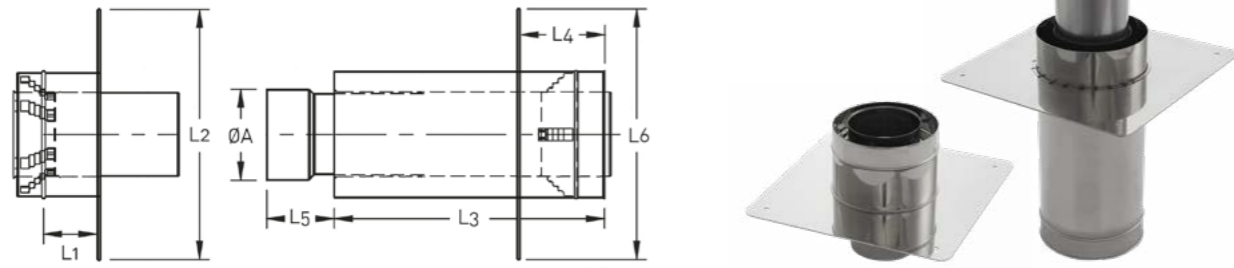
SPACER FLEXIBLE LINER

SYSTEM	ART. NO.	ØA
CC100-150	60.96.100.000.0	100



RENOVATION SET COMPLETE

SYSTEM	ART. NO.	ØA	L1	L2	L3	L4	L5	L6
CC100-150	50.93.100.000.0	108	100	300 x 300	323	60 - 300	60 - 250	300 x 300



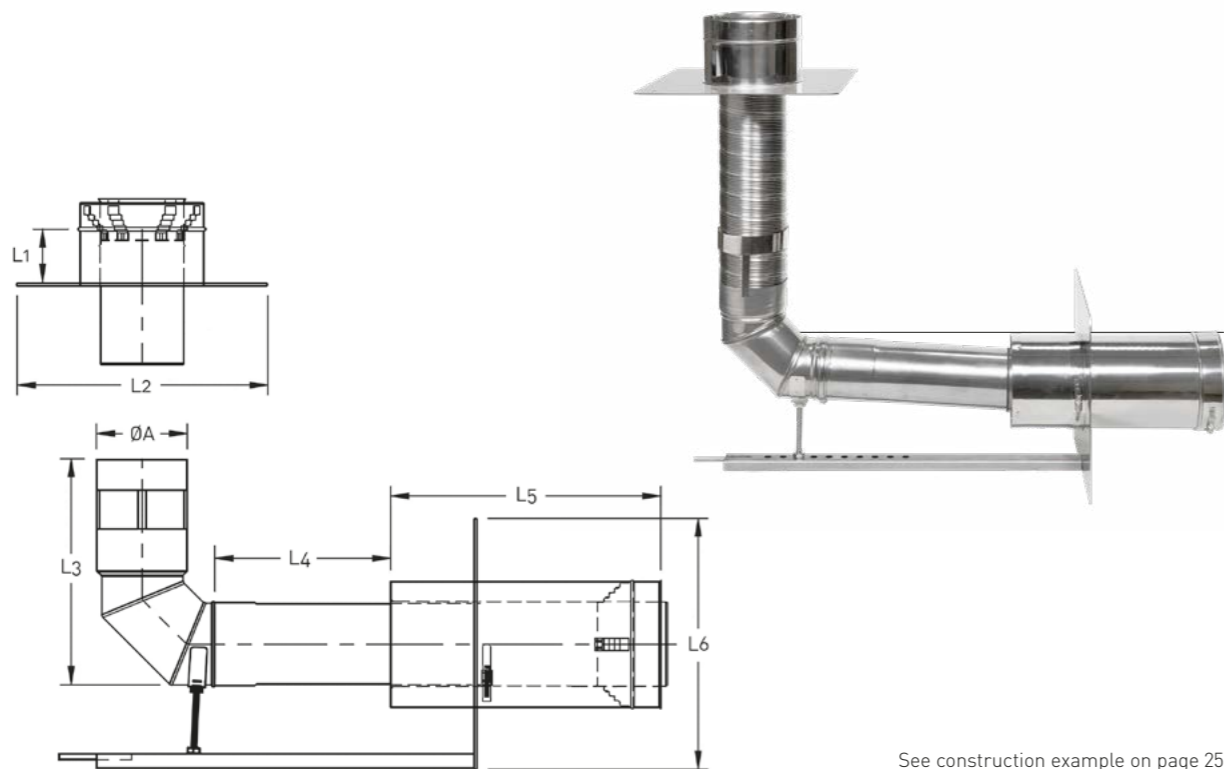
RENOVATION SET - UPPER PART

SYSTEM	FINISH	ART. NO.	L1	L2
CC100-150	untreated	50.93.100.000.0.01	100	300 x 300
	black 310	50.93.100.000.0.01.04		



RENOVATION SET SHAFT WITH UPPER PART*

SYSTEM	ART. NO.	ØA	L1	L2	L3	L4	L5	L6
CC100-150	50.93.100.090.1	108	100	300 x 300	268	50 - 250	323	300 x 300



See construction example on page 25
*Flexible liner available separately



DOUBLE WALL 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.

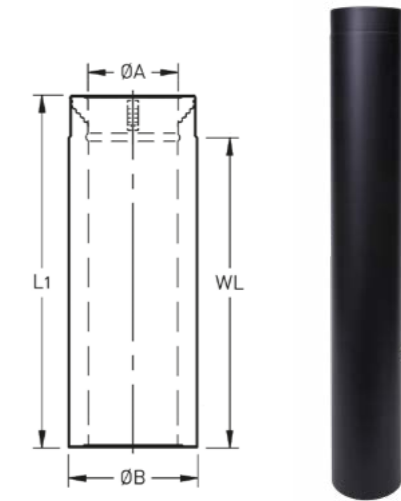
Holetherm CC DECO is made of high-quality stainless steel material and is resistant to high temperatures and flue gases. The system has been tested according to applicable European CE product requirements.

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



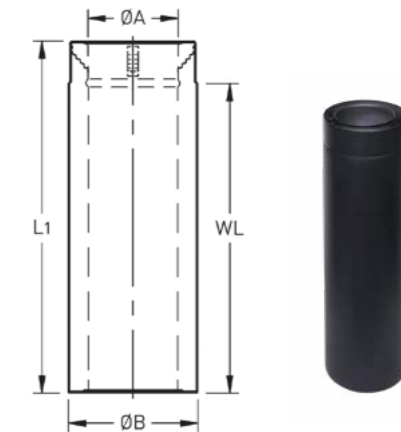
DECO SECTION LENGTH 1000 MM

SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	WL
CC100-150	untreated	51.10.100.001.0	100	150	1000	952
	black 310	51.10.100.001.004				



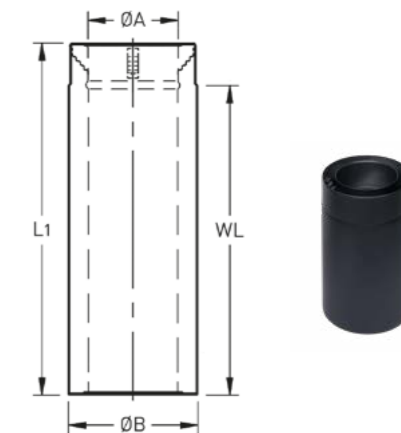
DECO SECTION LENGTH 500 MM

SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	WL
CC100-150	untreated	51.10.100.500.0	100	150	500	452
	black 310	51.10.100.500.004				



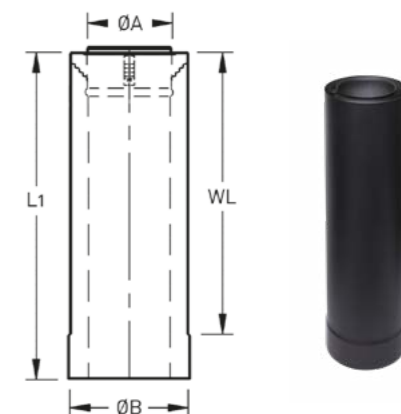
DECO SECTION LENGTH 250 MM

SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	WL
CC100-150	untreated	51.10.100.250.0	100	150	250	203
	black 310	51.10.100.250.004				



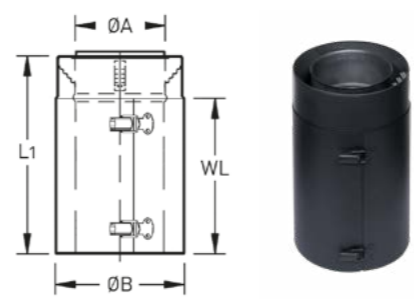
DECO ADJUSTABLE LENGTH

SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	WL
CC100-150	untreated	51.11.100.400.0	100	150	500	50 - 400
	black 310	51.11.100.400.004				



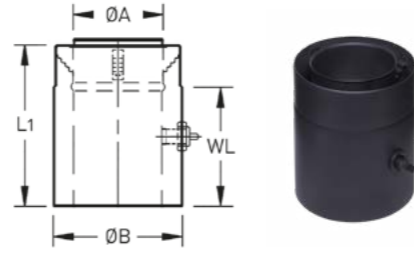
DECO INSPECTION SECTION

SYSTEM	AFWERKING	ART. NO.	ØA	ØB	L1	WL
CC100-150	onbehandeld	51.14.100.250.0	100	150	250	199
	zwart 310	51.14.100.250.004				



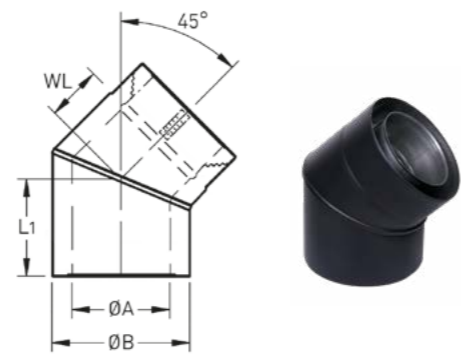
DECO MEASURING ELEMENT

SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	WL
CC100-150	untreated	51.15.100.150.0	100	150	170	122
	black 310	51.15.100.150.004				



DECO ELBOW 45°

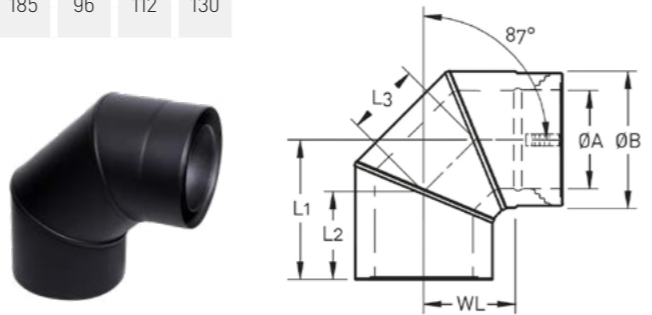
SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	WL
CC100-150	untreated	51.20.100.045.0	100	150	91	44
	black 310	51.20.100.045.004				



See offset table on page 24

DECO ELBOW 90°

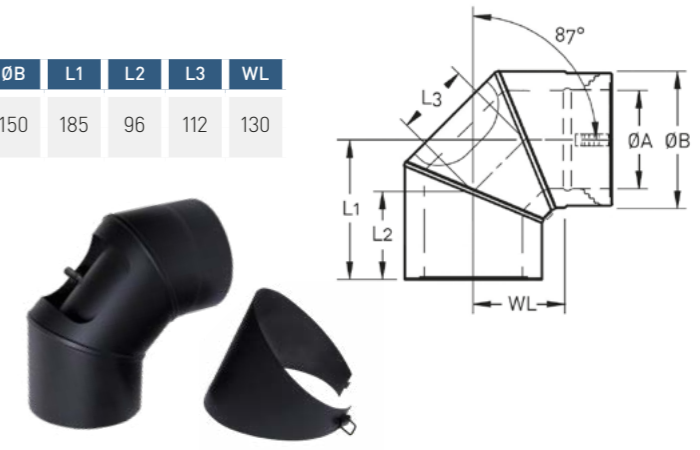
SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	L2	L3	WL
CC100-150	untreated	51.20.100.090.0	100	150	185	96	112	130
	black 310	51.20.100.090.004						



See offset table on page 24

DECO INSPECTION ELBOW 90°

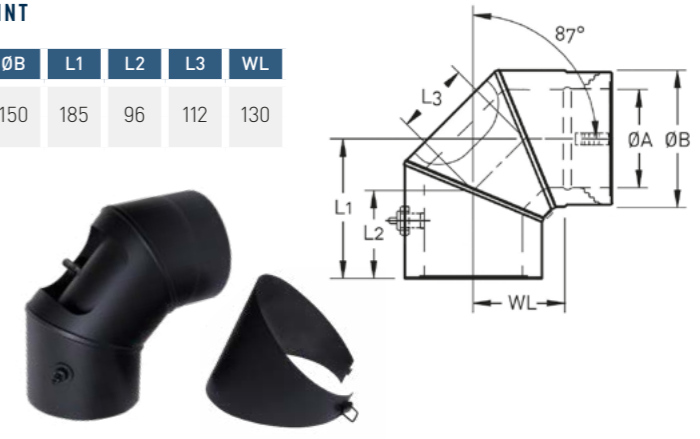
SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	L2	L3	WL
CC100-150	untreated	51.22.100.090.0	100	150	185	96	112	130
	black 310	51.22.100.090.004						



See offset table on page 24

DECO INSPECTION ELBOW 90° WITH MEASURING POINT

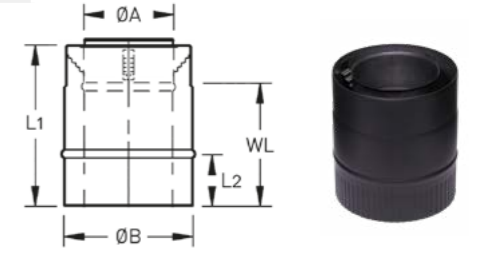
SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	L2	L3	WL
CC100-150	untreated	51.23.100.090.0	100	150	185	96	112	130
	black 310	51.23.100.090.004						



See offset table on page 24

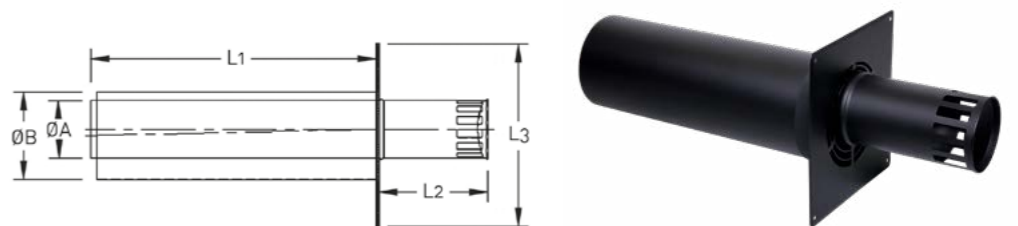
DECO CONNECTOR

SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	L2	WL
CC100-150	untreated	51.30.100.120.0	100	150	155	50	107
	black 310	51.30.100.120.004					



DECO HORIZONTAL TERMINAL

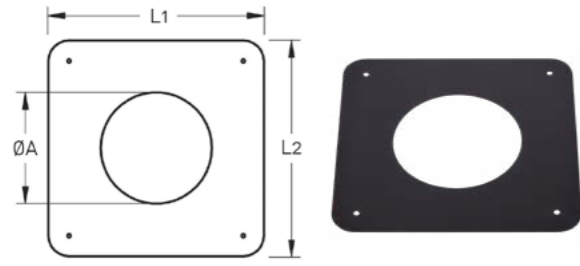
SYSTEM	FINISH	ART. NO.	ØA	ØB	L1	L2	L3
CC100-150	untreated	51.66.100.150.0	100	150	495	195	265
	black 310	50.66.100.150.004					



See construction example on page 25

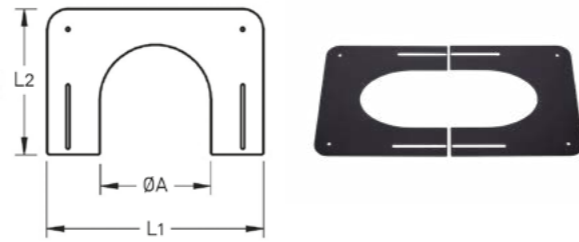
DECO FIRE STOP PLATE FLAT

SYSTEM	FINISH	ART. NO.	ØA	L1	L2
CC100-150	untreated	51.76.100.000.0	150	300	300
	black 310	51.76.100.000.004			



DECO FIRE STOP PLATE ANGULAR

SYSTEM	FINISH	ART. NO.	ØA	L1	L2
CC100-150	untreated	51.77.100.000.0	150	300	263
	black 310	51.77.100.000.004			



DECO WALL / CEILING BAND

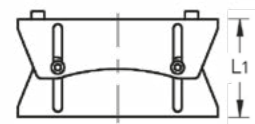
SYSTEM	FINISH	ART. NO.	ØA	L1	H
CC100-150	untreated	51.70.100.000.0	150	185	25
	black 310	51.70.100.000.004			



Attach with threaded rod or pole anchor (not included)

ADJUSTABLE SPACER

SYSTEM	FINISH	ART. NO.	L1
CC100-150	untreated	51.96.050.090.0	60 - 98
	black 310	51.96.050.090.004	



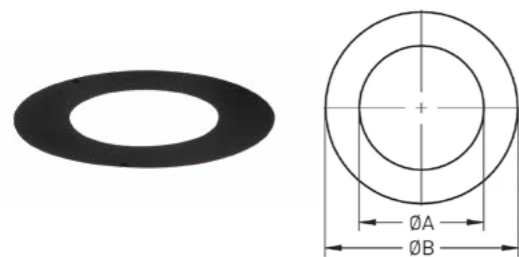
ADJUSTABLE WALL BAND

SYSTEM	FINISH	ART. NO.	ØA	L1	L2
CC100-150	untreated	51.70.100.090.0	100 - 150	50 - 90	200
	black 310	51.70.100.000.004			



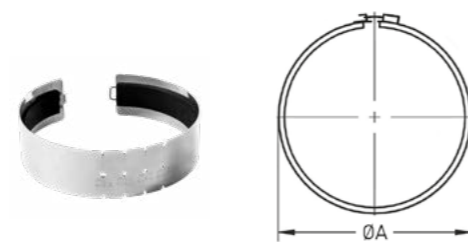
DECO ROSETTE

SYSTEM	FINISH	ART. NO.	ØA	ØB
CC100-150	untreated	51.80.100.150.0	150	256
	black 310	51.80.100.150.004		



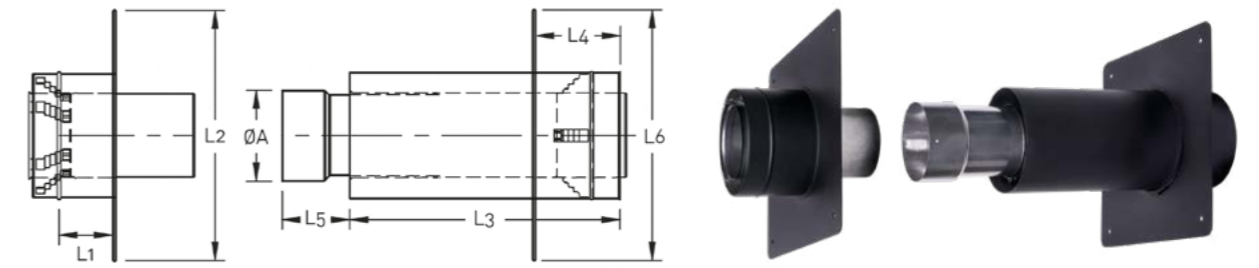
DECO DRILLING TEMPLATE

SYSTEM	FINISH	ART. NO.	ØA
CC100-150	untreated	51.49.100.000.0	150



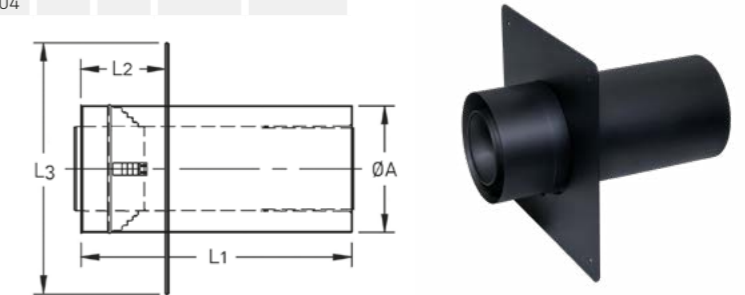
DECO RENOVATION SET COMPLETE

SYSTEM	FINISH	ART. NO.	ØA	L1	L2	L3	L4	L5	L6
CC100-150	untreated	51.93.100.090.0	108	100	300 x 300	323	60 - 300	0 - 200	300 x 300
	black 310	51.93.100.090.004							



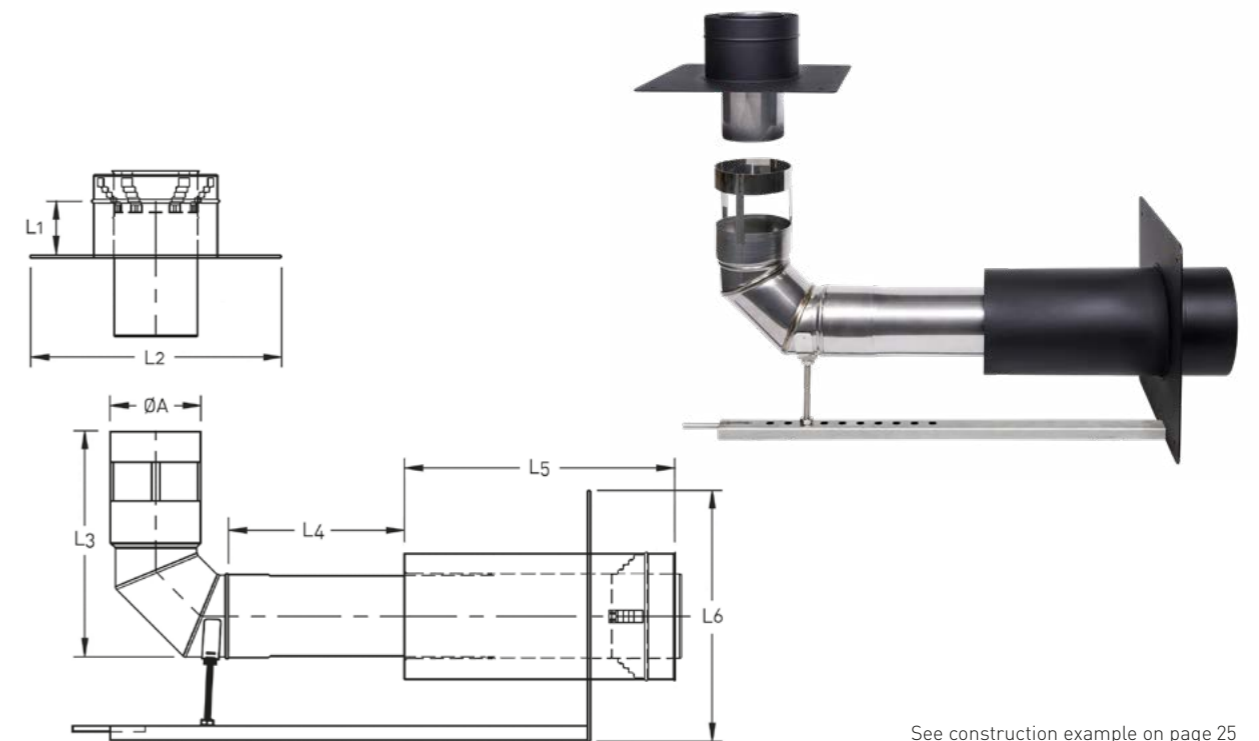
DECO RENOVATION SET BOTTOM COVER

SYSTEM	FINISH	ART. NO.	ØA	L1	L2	L3
CC100-150	untreated	51.93.100.000.002	150	323	60 - 300	300 x 300
	black 310	51.93.100.000.002.04				



DECO RENOVATION SET SHAFT WITH UPPER PART*

SYSTEM	FINISH	ART. NO.	ØA	L1	L2	L3	L4	L5	L6
CC100-150	untreated	51.93.100.090.0	108	100	300 x 300	268	50 - 250	323	300 x 300
	black 310	51.93.100.090.004							

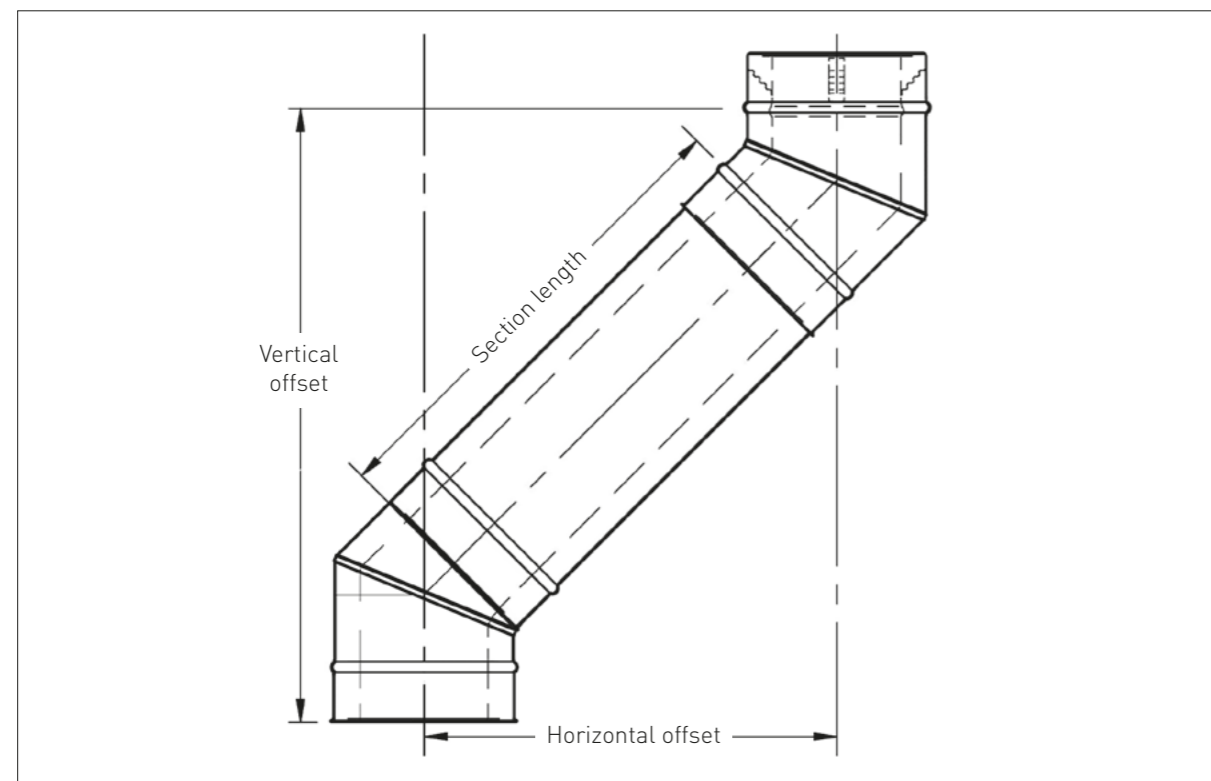


See construction example on page 25
*Flexible liner available separately

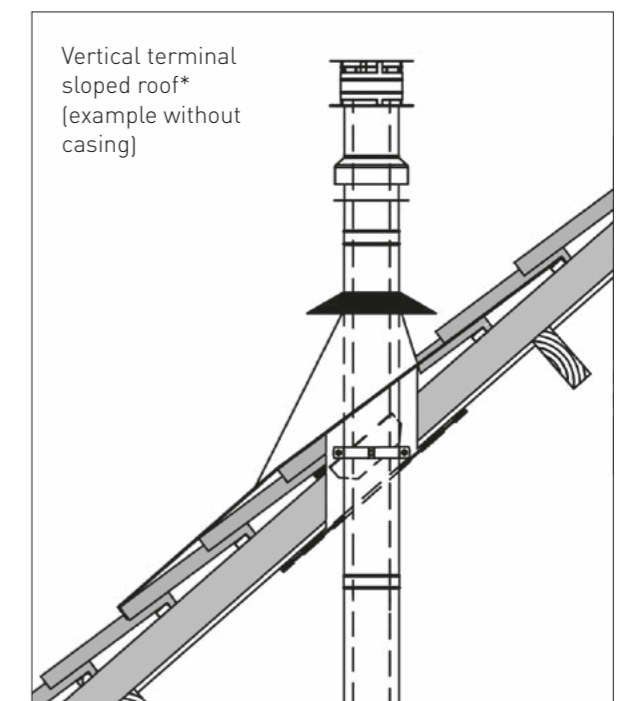
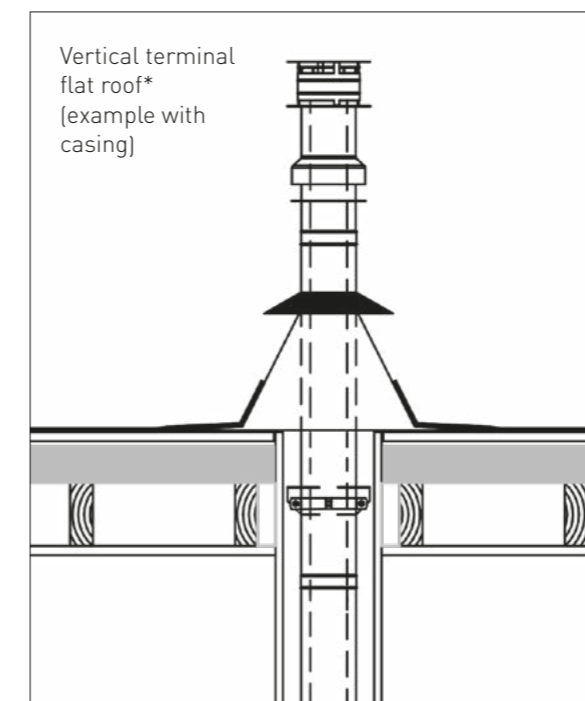
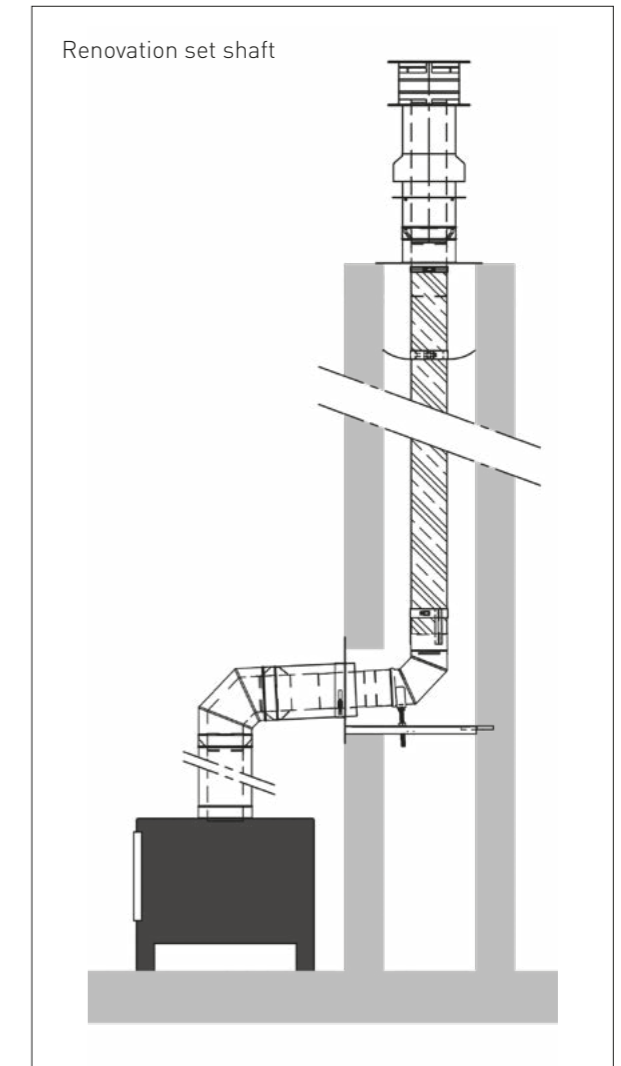
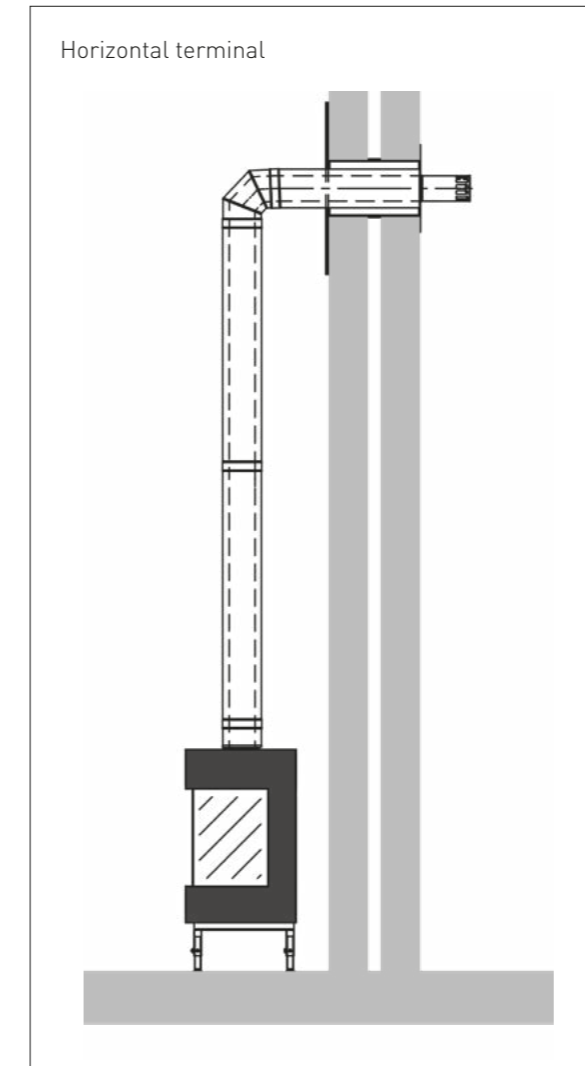
OFFSET TABLE CONCENTRIC & CONCENTRIC DECO

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	367	570	819	1319	
	Vertical offset	367	367	367	367	
CCDECO100-150	45°	Horizontal offset	95	239	415	769
		Vertical offset	230	374	550	904
	90°	Horizontal offset	305	508	757	1257
		Vertical offset	350	350	350	305

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°
		0.15	0.3	0.4	0.5
8.5	Thermal resistance	0 m ² 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		EN 14989-2:2007	
		Distance between two supports: 2 m			
		Maximum free-standing height: 2 m			
8.8	Resistance against chemicals: - water and vapour diffusion - condensate penetration	Yes		EN 14989-2:2007	
		Yes			
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

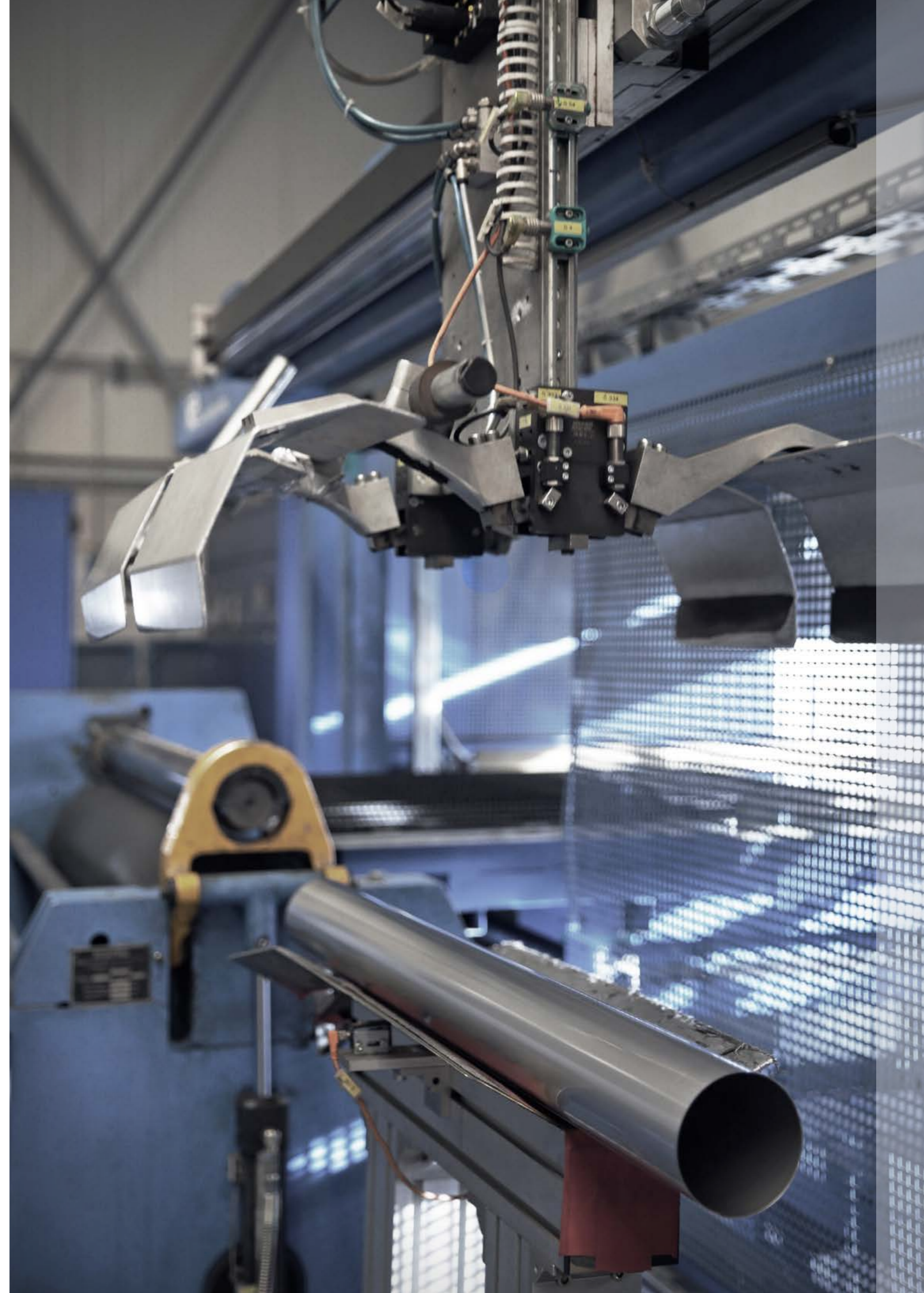
L50040 : Material specification 1.4404 0.4 mm or 0.5 mm

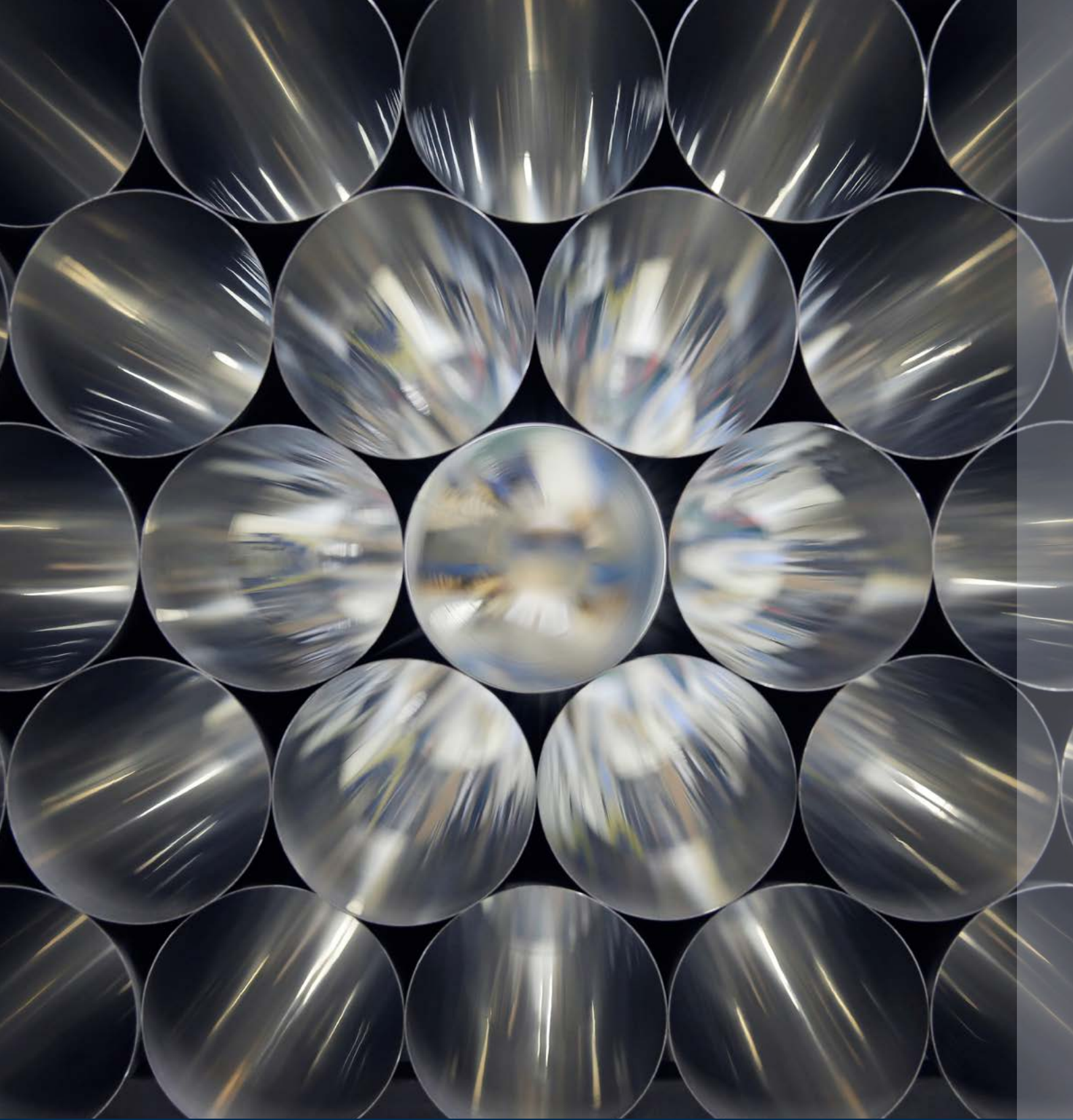
O : Not soot fire safe

50 : Distance to combustible materials is 50 mm

* If fitted according to the installation instructions, the distance to the casing is 0 mm

	Lewo B.V. Laagerfseweg 29 3931 PC Woudenberg NL www.lewo.nl
	0476-CPR-5526 EN 14989-2 T450-D-N1-V2-L50040-050





HOLETHERM

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