



LORO-X Light Roof Drainage with bonding flange

Parapet and flat roof drains for small roof areas,
flange made of stainless steel, DN 70 and DN 100

Instruction video
X-Light



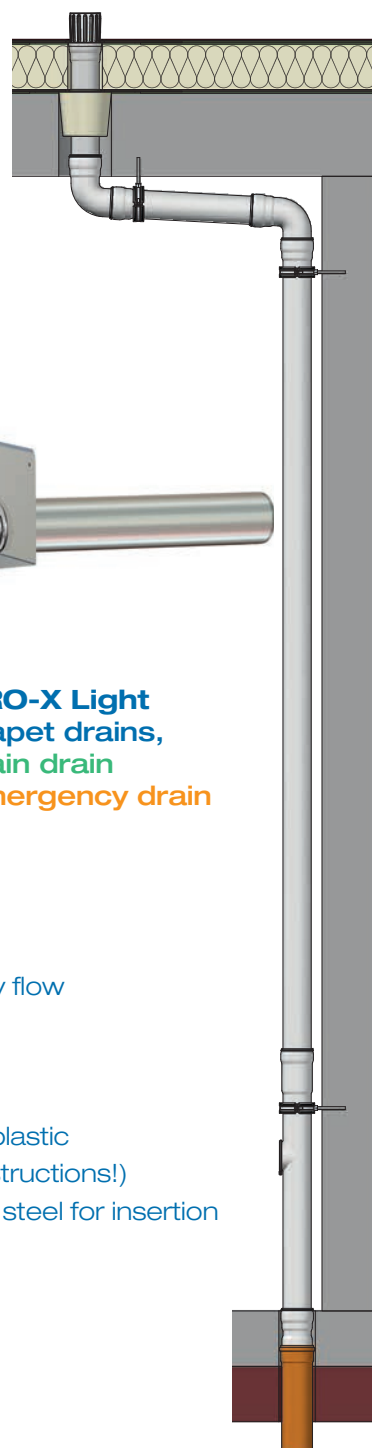
**LORO-X Light
Flat roof drains,**
• Main drain



**LORO-X Light
Flat roof drains,**
• Emergency drain



**LORO-X Light
Parapet drains,**
• Main drain
• Emergency drain



Advantages:

- Stainless steel parapet and flat roof drains for gravity flow
- Available as main drain and emergency drain
- With stainless steel bonding flange
- 120 mm available bonding area circumferential
- Especially suitable for bituminous sheets and liquid plastic
(Please pay attention to the respective producer instructions!)
- Self-supporting hood made of high-quality stainless steel for insertion
- No screws necessary
- Removable hood for revision

Setup diagramm/System components

Series LORO-X Light: LORO-X Light Parapet Drains

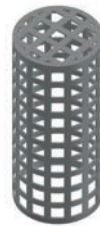
DN 70 and DN 100 made of stainless steel

Main drainage

Parapet drain,
made of stainless steel,
Art.-No. 12300.070X
Art.-No. 12300.100X



Emergency drainage

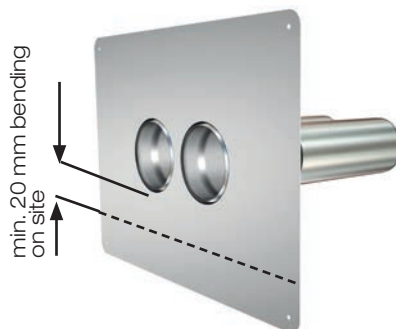


Strainer basket
Art.-No. 15217.070X
Art.-No. 15217.100X

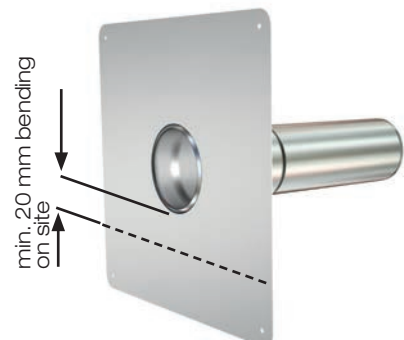


Sealing element
Art.-No. 00911.070X
Art.-No. 00911.100X

Parapet drain with double pipe,
made of stainless steel, for bending on site
Art.-No. 13072.100X



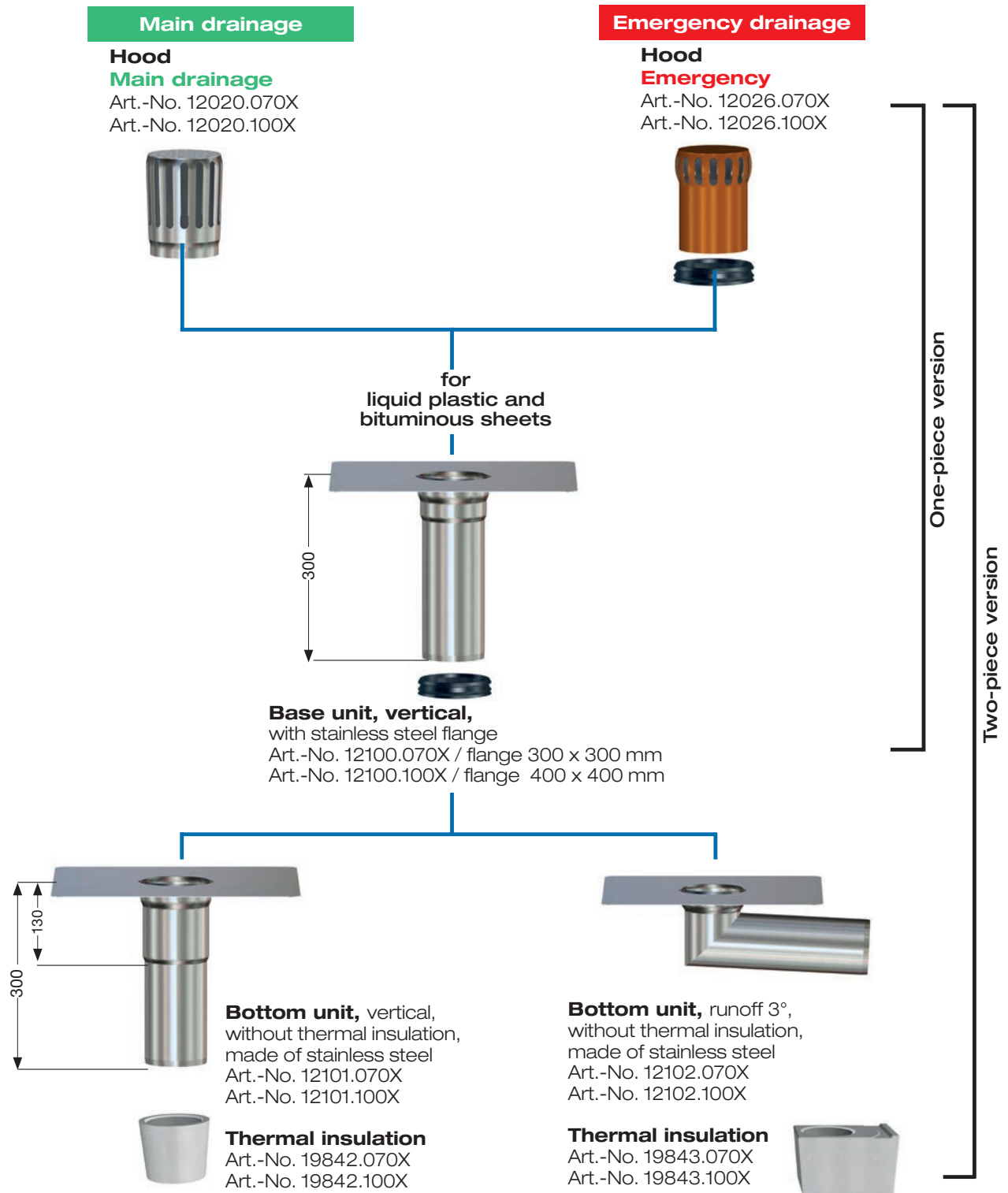
Parapet drain,
made of stainless steel, for bending on site
Art.-No. 12072.070X
Art.-No. 12072.100X



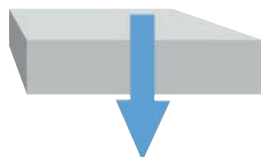
Setup diagramm/System components

Series LORO-X Light: LORO-X Light Flat Roof Drains

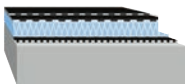
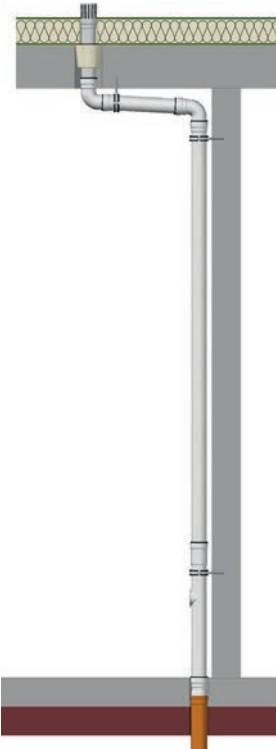
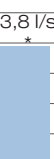
DN 70 and DN 100 made of stainless steel



Upon request, available with factory-adjusted bituminous connecting sleeve.

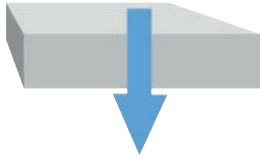


Series X-Light Flange made of stainless steel

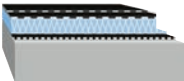
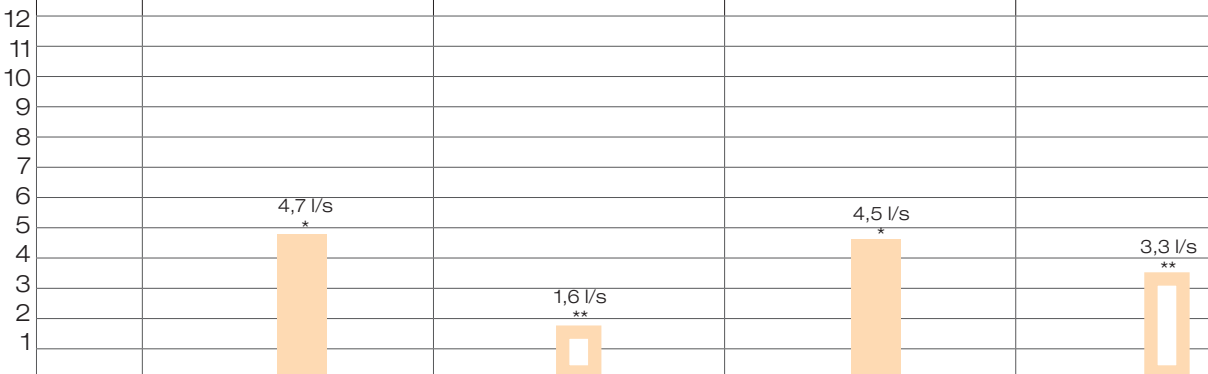
	Main drainage			
	Gravity flow			
	Silent Power			
 Non-insulated roof	one-piece   without thermal insulation with thermal insulation			
 Insulated roof	two-piece   without thermal insulation with thermal insulation 			
DN	70		100	
Water height (mm)	35		35	
Weir height (mm)	0		0	
				
LX-No.	LX2255	LX2254	LX2202	LX2209
Discharge Q (l/s)	 3,8 l/s*	 2,1 l/s**	 4,5 l/s*	 3,3 l/s**

* Discharge capacity in keeping with test specification according to DIN EN 1253, downpipe length 4.2m

** LORO measurement with fully ventilated downpipe, corresponds to spout capacity



Series X-Light Flange made of stainless steel

	Emergency drainage			
	Gravity flow			
	Silent Power			
 Non-insulated roof	one-piece  without thermal insulation  with thermal insulation			
 Insulated roof	two-piece  without thermal insulation  with thermal insulation			
DN	70		100	
Water height (mm)	35		35	
Weir height (mm)	0		0	
				
LX-No.	LX2256	LX2253	LX2203	LX2210
Discharge Q (l/s)				

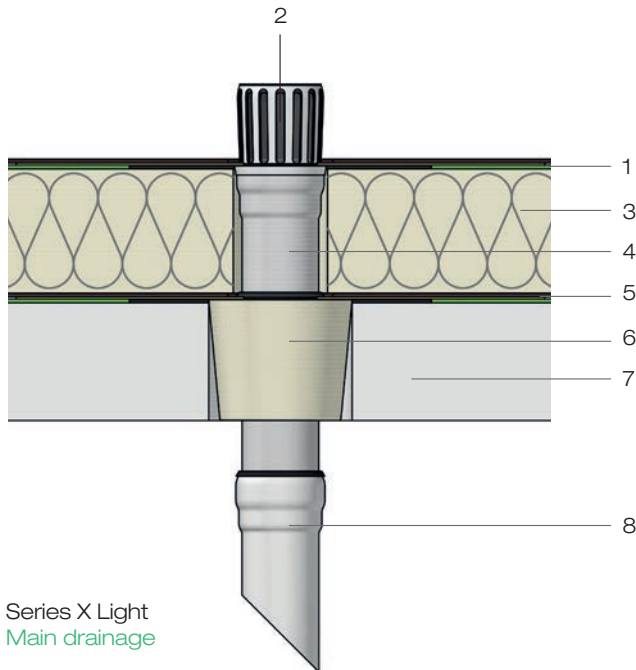
Version a = without thermal insulation
Version b = with thermal insulation

* Discharge capacity in keeping with test specification according to DIN EN 1253, downpipe length 4.2m
** LORO measurement with fully ventilated downpipe, corresponds to spout capacity

Application Examples Series X Light:

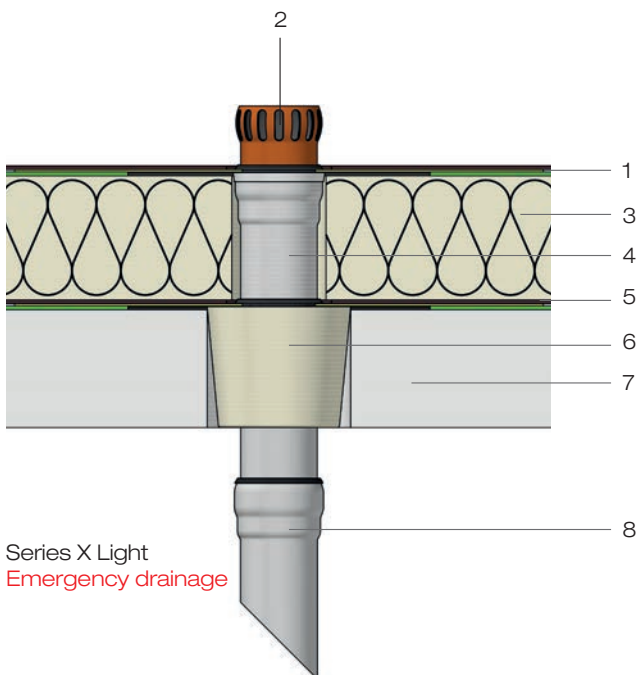
LORO-X Light Flat roof drains with bonding flange

- 1 Sealing sheet
- 2 LORO-X Light hood main drainage
- 3 Thermal insulation
- 4 LORO-X Light base unit
- 5 Vapour barrier
- 6 LORO-X Light bottom unit with thermal insulation
- 7 Concrete slab
- 8 LORO-X Steel discharge pipe



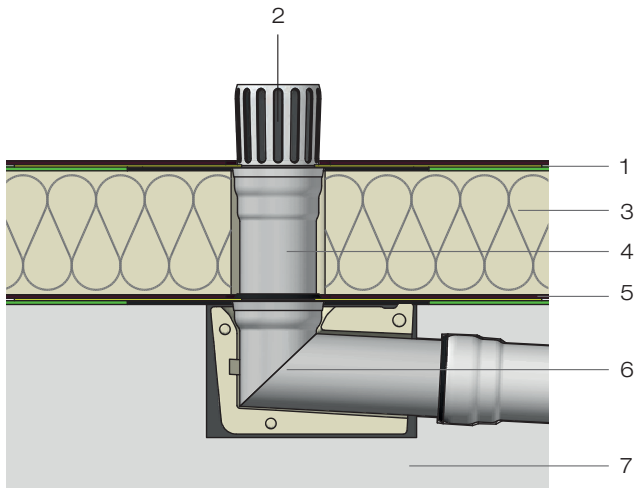
LORO-X Light Flat roof drains with bonding flange

- 1 Sealing sheet
- 2 LORO-X Light hood emergency drainage
- 3 Thermal insulation
- 4 LORO-X Light base unit
- 5 Vapour barrier
- 6 LORO-X Light bottom unit with thermal insulation
- 7 Concrete slab
- 8 LORO-X Steel discharge pipe



Application Examples Series X Light:

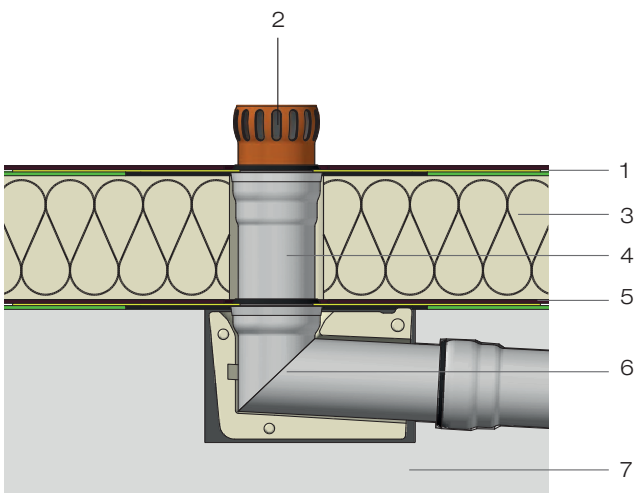
LORO-X Light Flat roof drains with bonding flange



- 1 Sealing sheet
- 2 LORO-X Light hood main drainage
- 3 Thermal insulation
- 4 LORO-X Light base unit
- 5 Vapour barrier
- 6 LORO-X Light bottom unit with thermal insulation
version sideways 3 degree
- 7 Concrete slab

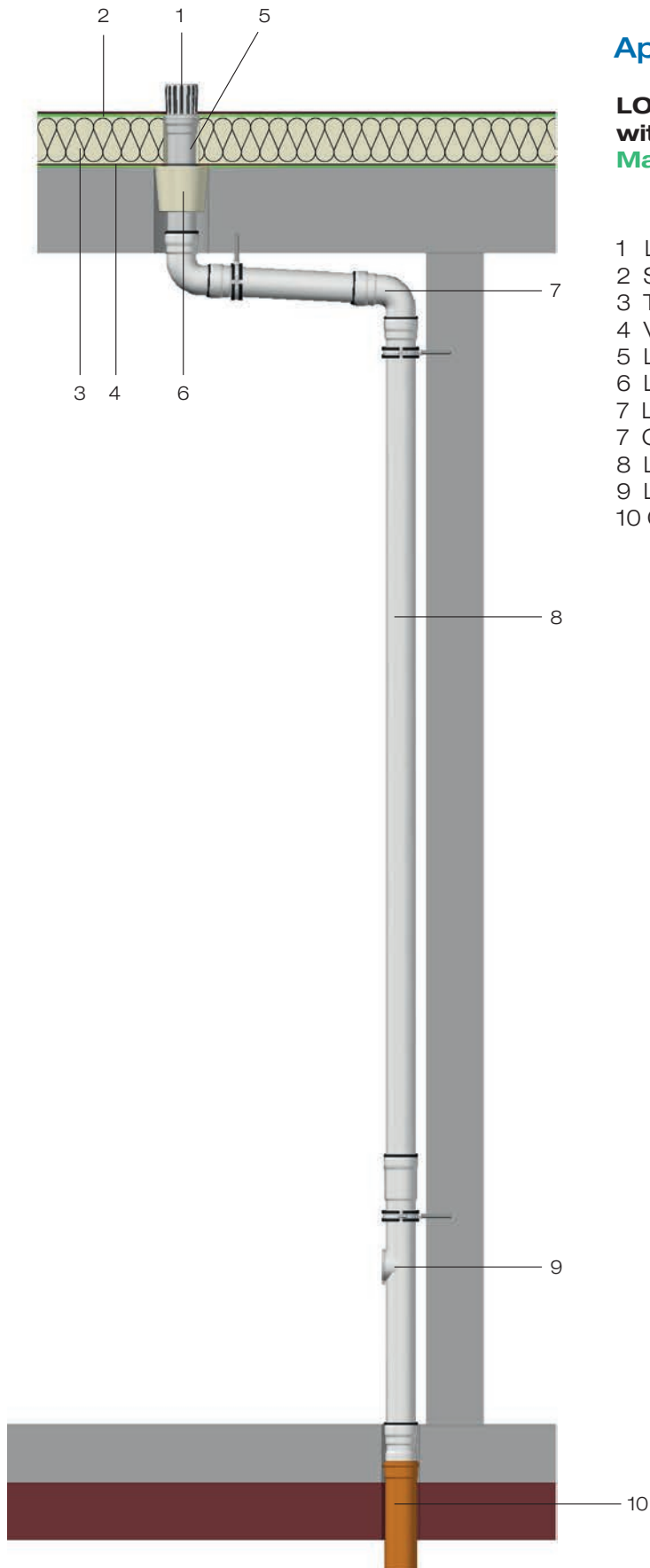
Series X Light
Main drainage

LORO-X Light Flat roof drains with bonding flange



- 1 Sealing sheet
- 2 LORO-X Light hood emergency drainage
- 3 Thermal insulation
- 4 LORO-X Light base unit
- 5 Vapour barrier
- 6 LORO-X Light bottom unit with thermal insulation
version sideways 3 degree
- 7 Concrete slab

Series X Light
Emergency drainage



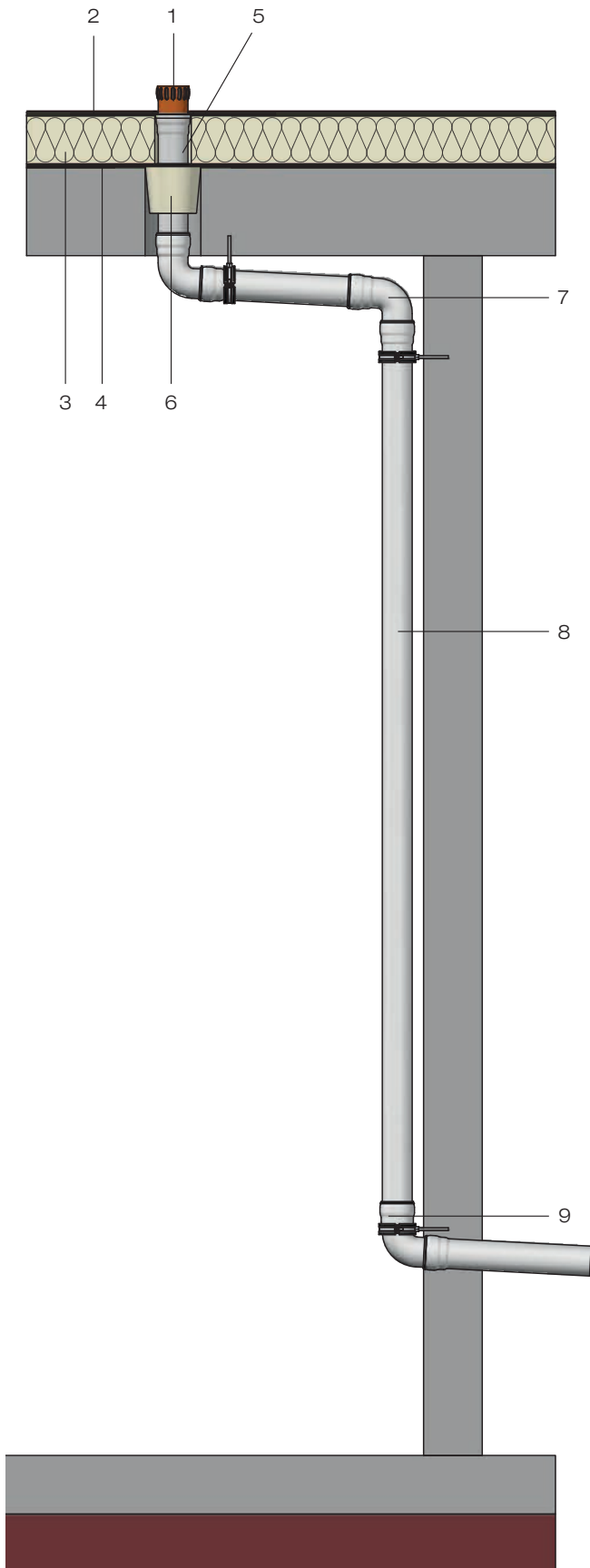
Application example

LORO-X Light Flat roof drains with bonding flange Main drainage

- 1 LORO-X Light hood main drainage
- 2 Sealing sheet
- 3 Thermal insulation
- 4 Vapour barrier
- 5 LORO-X Light base unit
- 6 LORO-X Light bottom unit with thermal insulation
- 7 LORO-X Bend
- 7 Concrete slab
- 8 LORO-X Steel discharge pipe
- 9 LORO-X Standpipe
- 10 Ground pipe

Application example

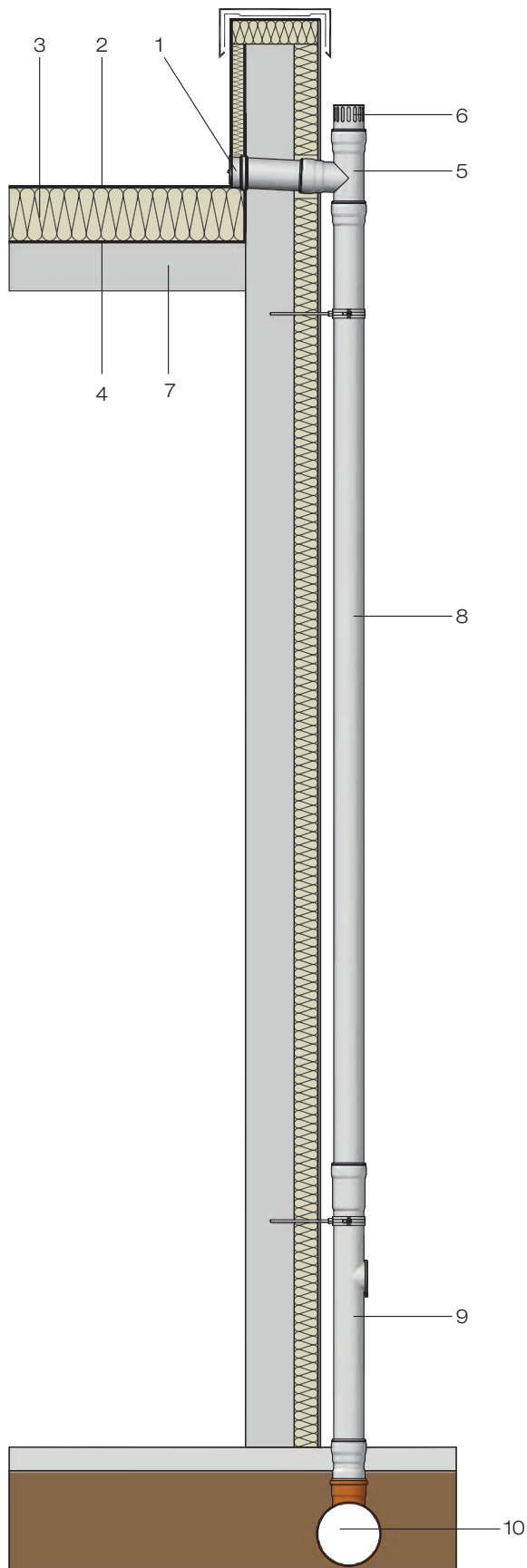
LORO-X Light Flat roof drains with bonding flange Emergency drainage



- 1 LORO-X Light hood emergency drainage
- 2 Sealing sheet
- 3 Thermal insulation
- 4 Vapour barrier
- 5 LORO-X Light base unit
- 6 LORO-X Light bottom unit with thermal insulation
- 7 LORO-X Bend
- 7 Concrete slab
- 8 LORO-X Steel discharge pipe
- 9 LORO-X Bend

Application example

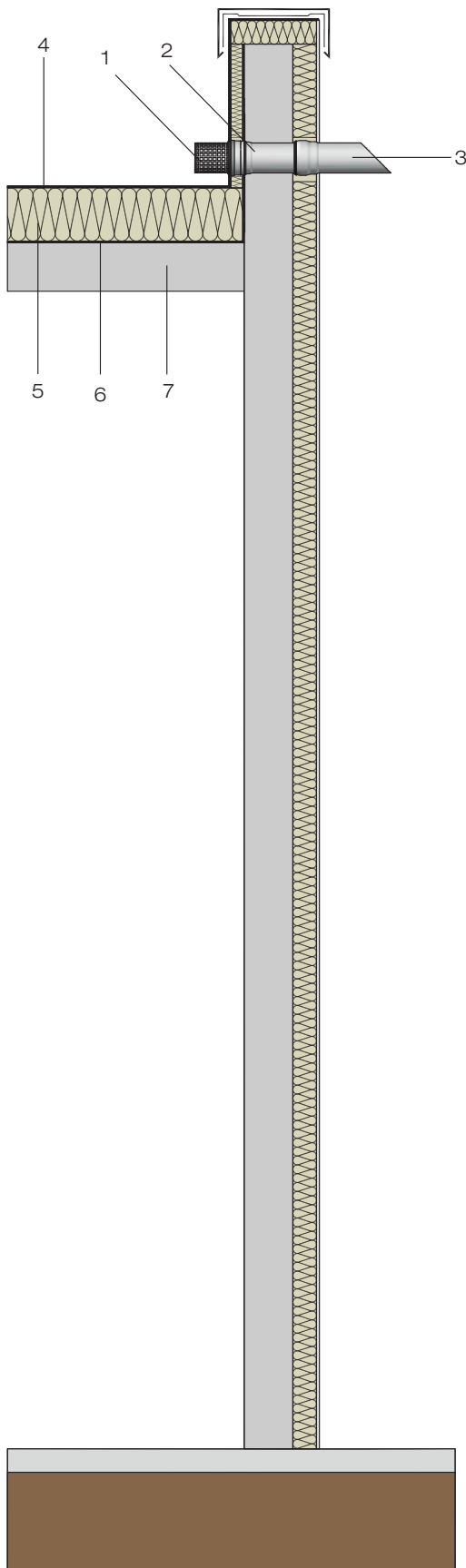
LORO-X Light Parapet drains with bonding flange, made of stainless steel Main drainage



- 1 LORO-X Light Parapet drain Main drainage
- 2 Sealing sheet
- 3 Thermal insulation
- 4 Vapour barrier
- 5 LORO-X Branch
- 6 LORO-X Ventilation piece
- 7 Concrete slab
- 8 LORO-X Steel discharge pipe
- 9 LORO-X Standpipe
- 10 Ground pipe

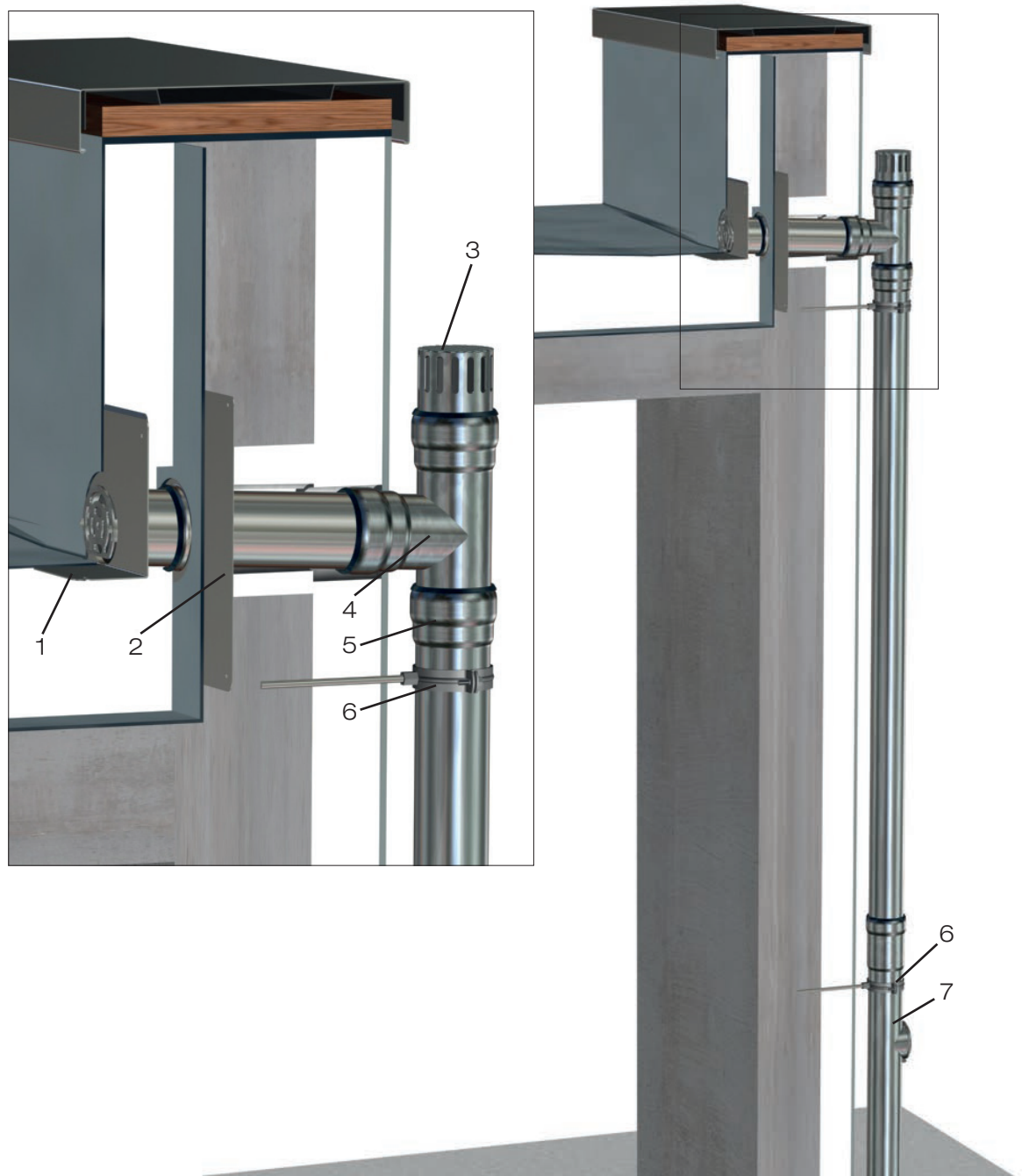
Application example

LORO-X Light Parapet drains with bonding flange, made of stainless steel **Emergency drainage**



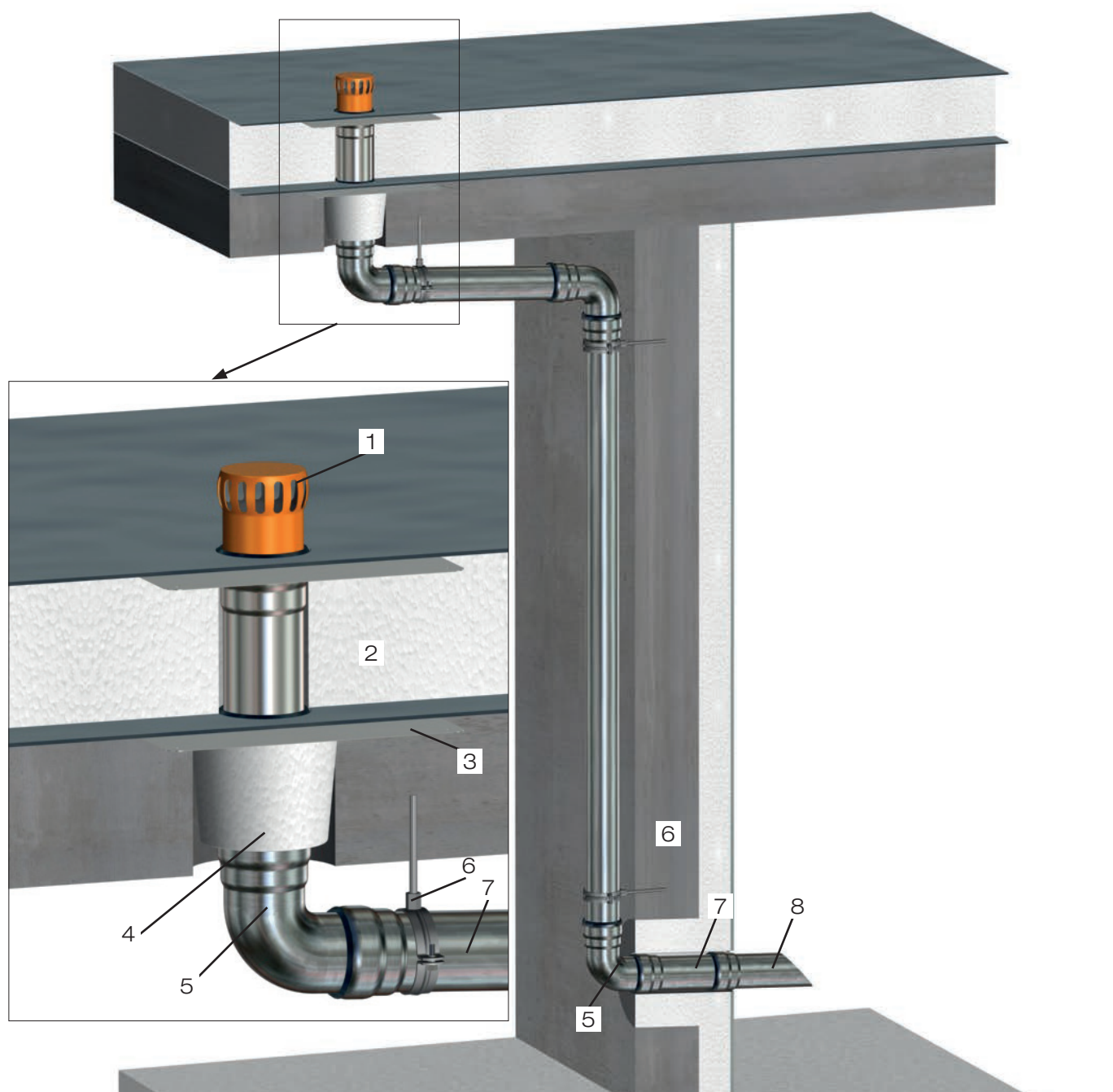
- 1 LORO-X Strainer basket
- 2 LORO-X Light Parapet drain **Emergency drainage**
- 3 LORO-X Spout
- 4 Sealing sheet
- 5 Thermal insulation
- 6 Vapour barrier
- 7 Concrete slab

Application example



Pos.	Name	Art.-No.
1	LORO-X Light Parapet drain DN 100	12300.100X
2	LORO-X Sliding flange DN 100	15073.100X
3	LORO-X Ventilation piece DN 100	13217.100X
4	LORO-X Branch DN 100	00200.DD0X
5	LORO-X Pipe DN 100	acc. to pipe length
6	LORO-X Pipe clip DN 100	00975.100X
7	LORO-X Rain standpipe DN 100	05510.100X
8	Connectors from LORO-X to KA-socket	00630.100X

Application example



Pos.	Name	Art.-No.
1	LORO-X Light Strainer insert emergency drainage DN 100	12026.100X
2	LORO-X Light Flat roof drain DN 100, 600 mm long or 300 mm long	12072.100X 12100.100X
3	LORO-X Light Bottom part DN 100	12101.100X
4	LORO-X Thermal insulation DN 100	19842.100X
5	LORO-X Bend 87° DN 100	00300.100X
6	LORO-X Pipe clip DN 100	00975.100X
7	LORO-X Pipe DN 100	acc. to pipe length
8	LORO-X Spout DN 100	15199.100X

LORO-X Light Parapet drains

made of stainless steel, DN 70 and DN 100

Setup diagramm see page 2

LORO-X Light Parapet drain

Main drainage		DN 70	DN 100
Gravity flow			
	made of stainless steel	12300.070X	12300.100X
		•	•

LORO-X Light Parapet drain

Emergency drainage		DN 70	DN 100
Gravity flow			
	for bending on site, made of stainless steel	12072.070X	12072.100X
		•	•

LORO-X Light Parapet drain with double pipe

Emergency drainage		DN 70	DN 100
Gravity flow			
	for bending on site, made of stainless steel	13072.070X	13072.100X
		•	•

LORO-X Strainer basket

		DN 70	DN 100
		15217.070X	15217.100X
		•	•

LORO-X Sealing element

		DN 70	DN 100
		00911.070X	00911.100X
		•	•

LORO-X Sliding flange, made of stainless steel

		DN 70	DN 100
	for bending on site, incl. sealing element	15073.070X	15073.100X
		•	•

		DN 70	DN 100
	for bending on site, incl. sealing element	13073.070X	13073.100X
		•	•

LORO-X Light Flat roof drains

with bonding flange, made of stainless steel, DN 70 and DN 100

Setup diagramm see page 3

Sub-units for modular-based completion purposes

LORO-X Light Base unit, vertical

consisting of: drain body and sealing element

	DN 70	DN 100	
made of stainless steel, DN 70 flange 300 x 300 mm DN 100 flange 400 x 400 mm	12100.070X	12100.100X	
	•	•	

LORO-X Light Bottom unit, vertical

	DN 70	DN 100	
made of stainless steel, DN 70 flange 300 x 300 mm DN 100 flange 400 x 400 mm	12101.070X	12101.100X	
	•	•	

LORO-X Light Bottom unit, horizontal

	DN 70	DN 100	
made of stainless steel, DN 70 flange 300 x 300 mm DN 100 flange 400 x 400 mm	12102.070X	12102.100X	
	•	•	

Hood for main drainage

	DN 70	DN 100	
made of stainless steel	12020.070X	12020.100X	
	•	•	

Hood for emergency drainage

	DN 70	DN 100	
consisting of strainer insert and sealing element, made of stainless steel	12026.070X	12026.100X	
	•	•	

LORO-X Thermal insulation

	DN 70	DN 100	
vertical	19842.070X	19842.100X	
	•	•	
horizontal	19843.070X	19843.100X	
	•	•	

Dimensions and weights

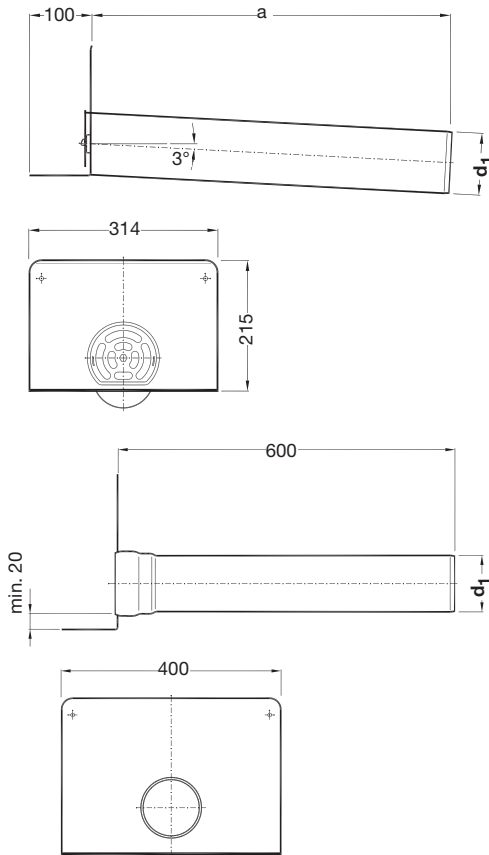
Main drainage

LORO-X Light Parapet drains,
made of stainless steel, DN 100

Discharge rate according to specification sheet:

LX2283 DN 70 = l/s*
LX2111 DN 100 = 0,64 l/s*

DN	Art.-No.	d ₁	a	kg
70	12300.070X	73	400	2,1
100	12300.100X	102	600	3,1



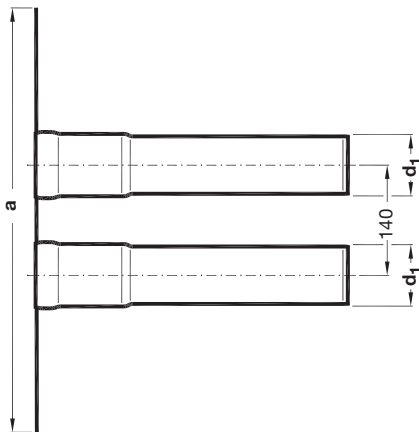
Emergency drainage

LORO-X Light Parapet drains,
spout, made of stainless steel, DN 100

Discharge rate according to specification sheet:

LX1848 DN 70 = 0,40 l/s*
LX1986 DN 100 = 0,65 l/s

DN	Art.-No.	d ₁	a	kg
70	12072.070X	73		
100	12072.100X	102		3,1



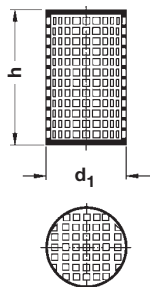
LORO-X Light Parapet drains,
with double pipe,

spout, made of stainless steel, DN 100
for bending on site

Discharge rate according to specification sheet:

LX 3005 DN 70: 1,4 l/s*
LX 3004 DN 100: 3,6 l/s*

DN	Art.-No.	d ₁	a	kg
70	13072.070X	73	300	3,4
100	13072.100X	102	400	4,1



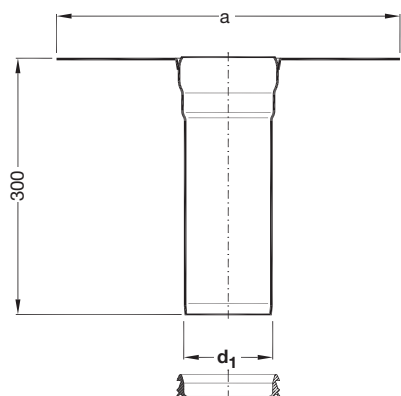
LORO-X Strainer basket

made of stainless steel, DN 70 and DN 100

DN	Art.-No.	d ₁	h	kg
70	15217.070X	73	163	0,3
100	15217.100X	102	184	0,4

* In compliance with test specification according to DIN EN 1253

Dimensions and weights



LORO-X Light

Base unit, vertical

made of stainless steel, DN 70 and DN 100

DN 70 flange 300 x 300 mm / DN 100 flange 400 x 400 mm

Discharge rate according to specification sheet:

Main drainage:

LX2255 DN 70: 3,8 l/s*

LX2254 as spout: 2,1 l/s*

LX2202 DN 100: 4,5 l/s*

LX2209 as spout: 3,3 l/s*

Emergency drainage:

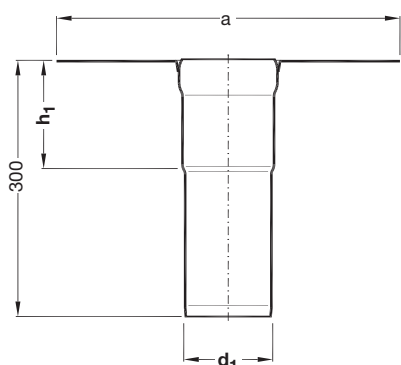
LX2256 DN 70: 4,7 l/s*

LX2253 as spout: 1,6 l/s*

LX2203 DN 100: 4,5 l/s*

LX2210 as spout: 3,3 l/s*

DN	Art.-No.	d ₁	a	kg
70	12100.070X	73	300	1,4
100	12100.100X	102	400	2,1



LORO-X Light

Bottom unit, vertical

made of stainless steel, DN 70 and DN 100

DN 70 flange 300 x 300 mm / DN 100 flange 400 x 400 mm

Discharge rate according to specification sheet:

Main drainage:

LX2255 DN 70: 3,8 l/s*

LX2254 as spout: 2,1 l/s*

LX2202 DN 100: 4,5 l/s*

LX2209 as spout: 3,3 l/s*

Emergency drainage:

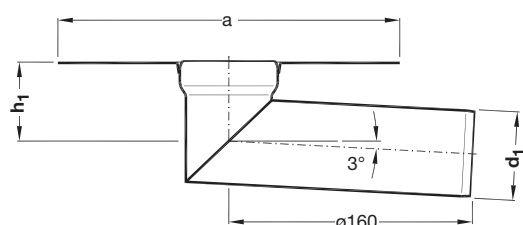
LX2256 DN 70: 4,7 l/s*

LX2253 as spout: 1,6 l/s*

LX2203 DN 100: 4,5 l/s*

LX2210 as spout: 3,3 l/s*

DN	Art.-No.	d ₁	a	h ₁	kg
70	12101.070X	73	300	120	1,4
100	12101.100X	102	400	130	2,1



LORO-X Light

Bottom unit, horizontal

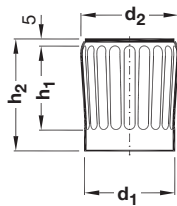
made of stainless steel, DN 70 and DN 100

DN 70 flange 300 x 300 mm / DN 100 flange 400 x 400 mm

DN	Art.-No.	d ₁	a	h ₁	kg
70	12102.070X	73	300	69	1,5
100	12102.100X	102	400	94	2,4

* In compliance with test specification according to DIN EN 1253

Dimensions and weights

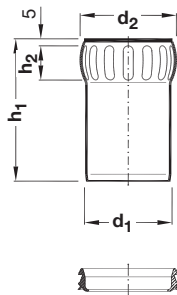


LORO-X

Hood for **main drainage**

made of stainless steel, DN 70 and DN 100

DN	Art.-No.	d ₁	d ₂	h ₁	h ₂	kg
70	12020.070X	73	80	70	100	0,25
100	12020.100X	102	115	99	129	0,5



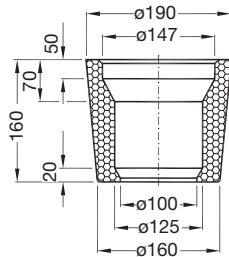
LORO-X

Hood for **emergency drainage**

made of stainless steel, DN 70 and DN 100

consisting of: strainer insert and sealing element

DN	Art.-No.	d ₁	d ₂	h ₁	h ₂	kg
70	12026.070X	73	83	135	33,5	0,37
100	12026.100X	102	115	167	41	0,6



LORO-X

Thermal insulation

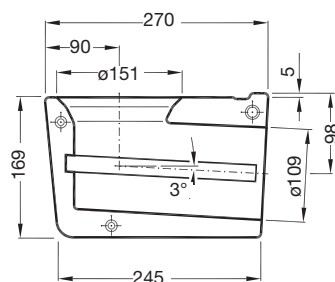
vertical

[Art.-No. 19842.070X](#)

[Art.-No. 19842.100X](#)

weight: 0,03 kg

weight: 0,04 kg



LORO-X

Thermal insulation

horizontal

[Art.-No. 19843.070X](#)

[Art.-No. 19843.100X](#)

weight: 0,08 kg

weight: 0,12 kg

Specification sheet LX2211

Parapet drainage

LORO-X Light

Parapet drain with bonding flange

Main drainage

Gravity flow

Silent

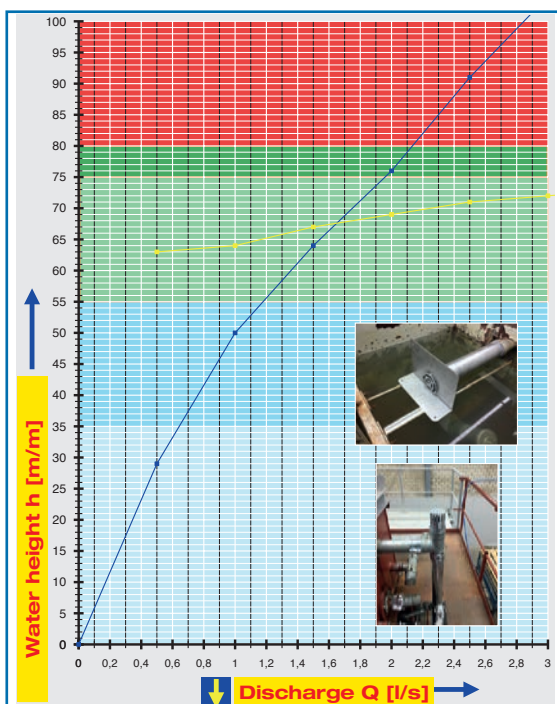
Discharge rate:	0,64 l/s
Water height:	35 mm
Roof penetration:	0 mm
Diameter:	DN 100
LX-Number:	LX2211
Weir height:	-
Drain:	ventilated
Downpipe:	ventilated
Downpipe height:	4.2 m
Drainage:	in ground pipe
Flange:	bonding flange

LX2211 Piece list

1 x Art.-No. 12300.100X, LORO-X Light Parapet drain
 1 x Art.-No. 01301.100X, LORO-X Pipe with one socket
 1 x Art.-No. 13217.100X, LORO-X Ventilation piece
 1 x Art.-No. 00200.DD0X, LORO-X Branch
 1 x Art.-No. 01001.100X, LORO-X Pipe with one socket

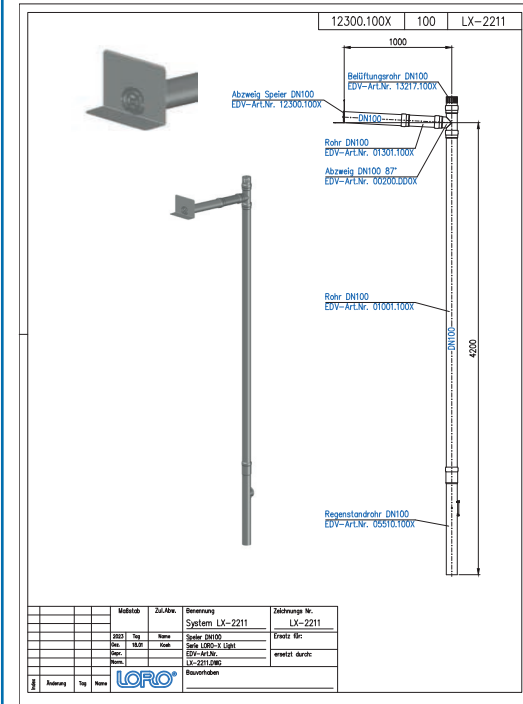
1 x Art.-No. 05510.100X, LORO-X Standpipe
 5 x Art.-No. 00911.100X, LORO-X Sealing element
 3 x Art.-No. 00975.100X, LORO-X Pipe clips
 3 x Art.-No. 09604.200X, LORO-X Threaded rod
 1 x Art.-No. 00986.000X, LORO-X Lubricant

hQ - Discharge curve

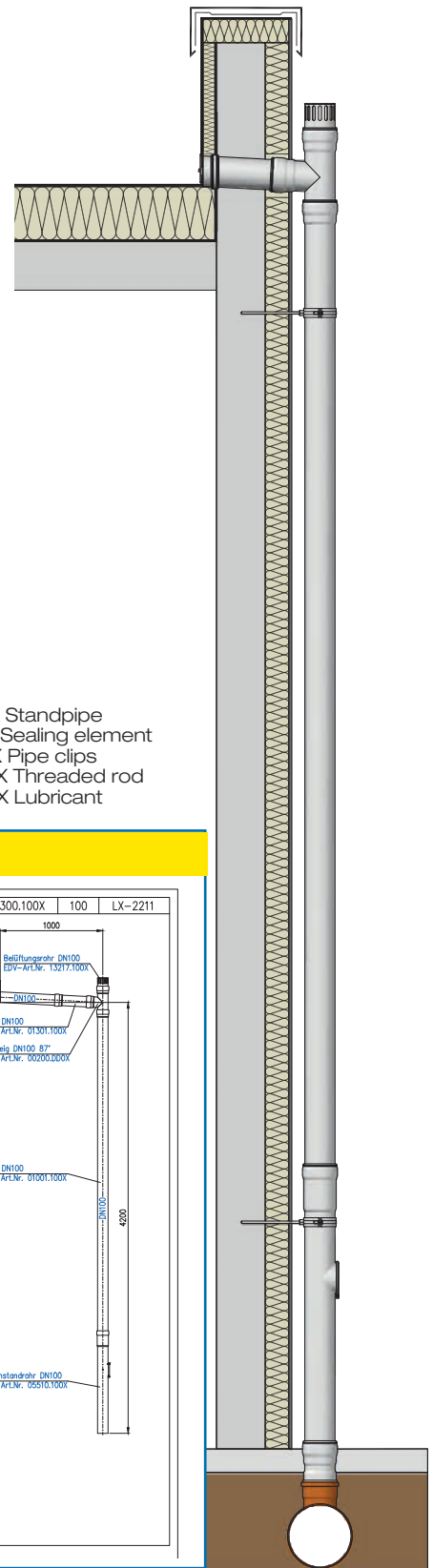


System power

CAD



System shape



Water height	mm	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Discharge	l/s	-	-	-	0,52	0,64	0,76	0,88	1,0	1,18	1,36	1,44	1,75	1,97	2,13	2,3	2,45	2,64	2,83
Silent																			

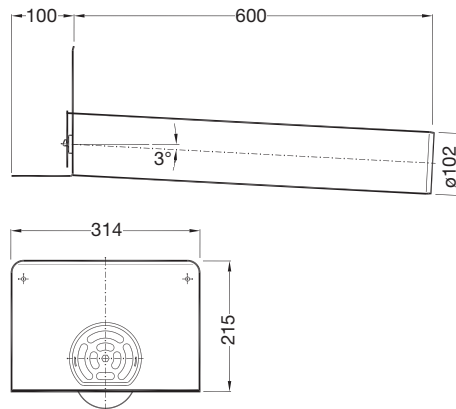
LORO-X Light parapet drain with bonding flange

DN 100

LX2211-20X

**Series X-Light
with bonding flange**

Drain Art.-No. 12300.100X
Weight: 3,10 kg



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification sheet LX1986

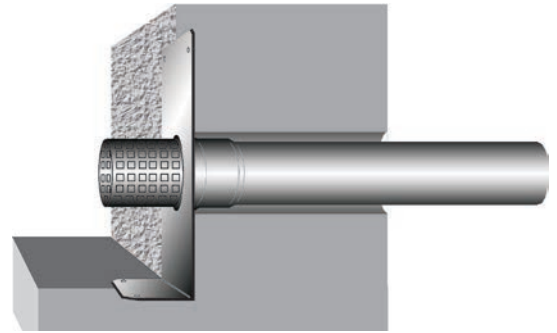
Parapet drainage VARIO upstand spout for bending on site

Emergency drainage

Gravity flow

Silent

Discharge rate:	0,65 l/sec
Water height:	35 mm
Roof penetration:	0 mm
Diameter:	DN 100
LX-Number:	LX1986
Weir height:	-
Drain:	ventilated
Downpipe:	ventilated
Downpipe height:	-
Drainage:	on floor
Flange form:	Bonding flange

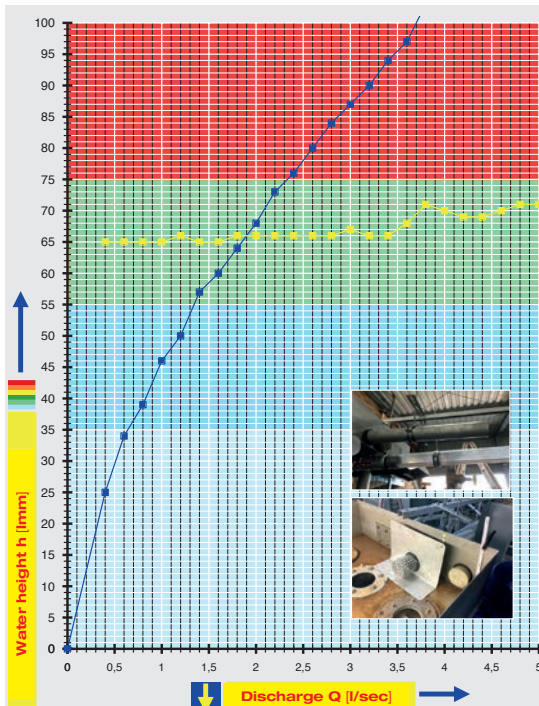


Note:
In this measurement, the point of origin of the flow graph is equal to the bottom edge of the pipe.

LX1986 Piece list

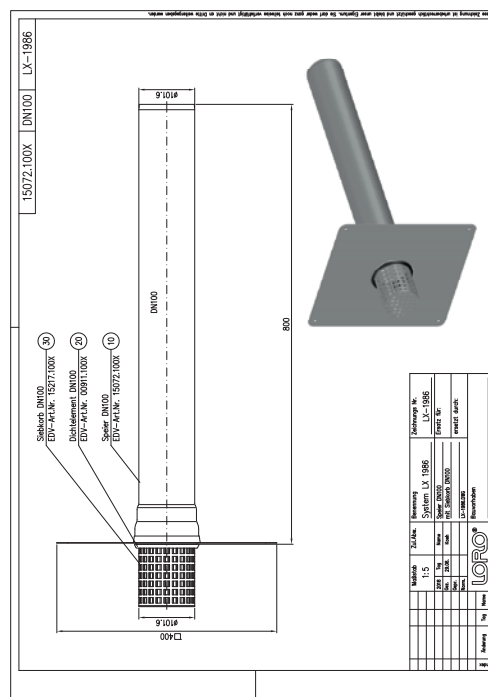
- 1 x Art.-No. 15072.100X, LORO-X VARIO upstand Spout
- 1 x Art.-No. 15217.100X, LORO-X Strainer basket
- 1 x Art.-No. 00911.100X, LORO-X Sealing element
- 1 x Art.-No. 00986.000X, LORO-X Lubricant

hQ - Head Discharge curve



Systempower

CAD



Systemshape

Water height	mm	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
Discharge	l/sec				0,4	0,5	0,65	0,85	1,0	1,2	1,35	1,6	1,85	2,1	2,3	2,6	2,85	3,2	3,45
Silent																			

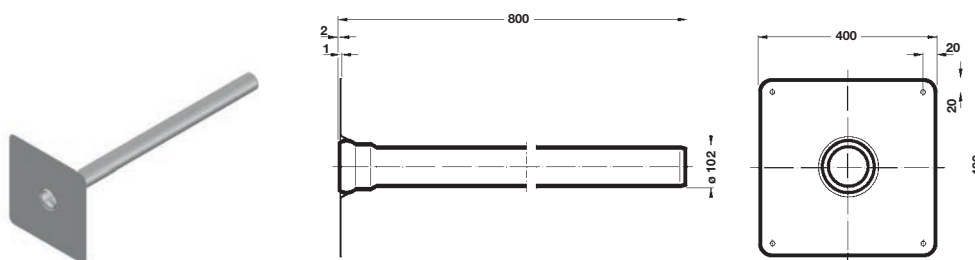
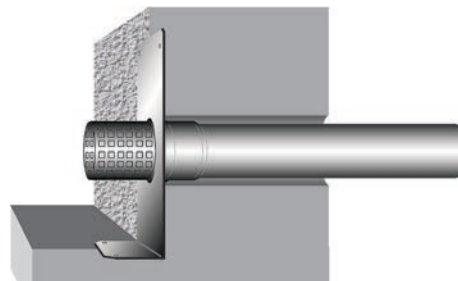
LORO-X VARIO upstand spout, for bending on site

DN 100

LX1986-20X

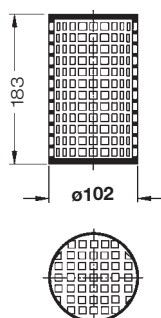
Drain Art.-No. 15072.100X
Weight: 3,6 kg

VARIO upstand
for bending on site



LORO-X Strainer basket

Art.-No. 15217.100X



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification sheet LX 3004

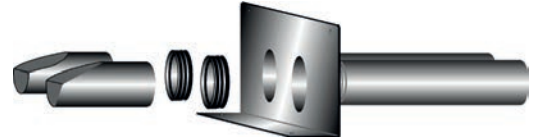
Parapet drainage

VARIO upstand spout with double pipe for bending on site

Emergency drainage

Gravity flow

Silent



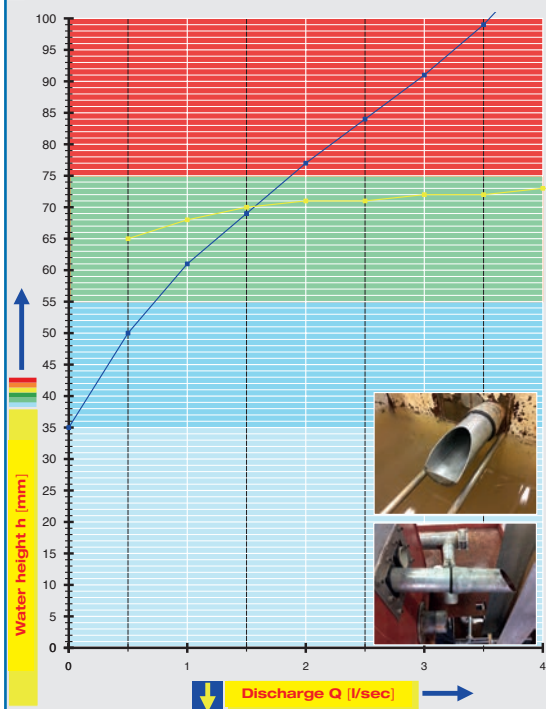
Note:
Measured runoff refers
on a pipe.
Nominal drain is for double pipe
doubled!

Discharge rate:	3.6 l/sec
Water height:	35 mm
Roof penetration:	0 mm
Diameter:	DN 100
LX-Number:	LX3004
Weir height:	-
Drain:	ventilated
Downpipe:	ventilated
Downpipe height:	-
Drainage:	on floor
Flange form:	Bonding flange

LX 3004 Piece list

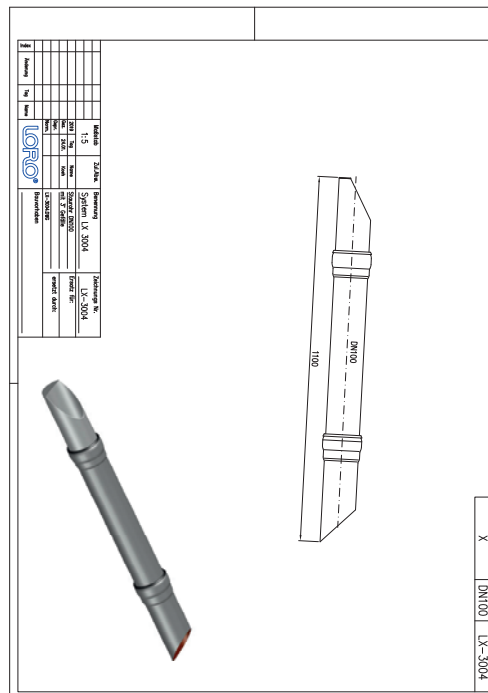
- 1 x Art.-No. 13072.100X, LORO-X VARIO upstand Spout with double pipe
- 1 x Art.-No. 13214.100X, LORO-X Pitot tube
- 1 x Art.-No. 00911.100X, LORO-X Sealing element
- 1 x Art.-No. 00986.000X, LORO-X Lubricant

hQ - Head Discharge curve



Systempower

CAD



Systemshape

Water height	mm	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Discharge	l/sec	-	-	-	-	-	-	-	0,5	0,7	0,9	1,2	1,6	1,8	2,2	2,6	2,9	3,2	3,6

LORO-X VARIO upstand spout with double pipe for bending on site DN 100

LX3004-20X

Drain [Art.-No. 13072.100X](#)
Weight: 4,1 kg

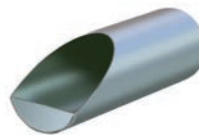
VARIO upstand double pipe
for bending on site



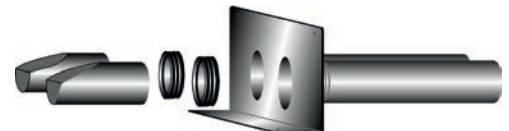
+

LORO-X Pitot tube

Art.-No. 13214.100X
Weight: 0,9 kg



=



LX3004-20X

Drain [Art.-No. 15072.100X](#)
Weight 3,6 kg

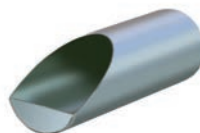
VARIO upstand
for bending on site



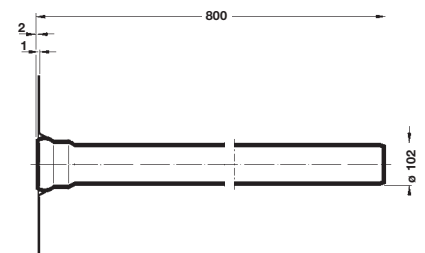
+

LORO-X Pitot tube

Art.-No. 13214.100X
Weight: 0,9 kg



=



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification Sheet LX 2255

Roof Drainage Series LORO-X Light

Flange stainless steel/composite sheet

Main drainage

Gravity flow

Silent Power

Discharge rate:	3,8 l/s
Water height:	35 mm
Roof penetration:	-
Diameter:	DN 70
LX-Number:	LX 2255
Weir height:	0 mm
Drain:	ventilated
Downpipe:	not ventilated
Downpipe height:	4,2 m
Drainage:	into ground pipe

LX 2255 Piece list

1 x Art.-No. Choose drain on page 2!

1 x Art.-No. 01401.070X, LORO-X Pipe with one socket

2 x Art.-No. 00300.070X, LORO-X Bend

1 x Art.-No. 01004.070X, LORO-X Pipe with one socket

1 x Art.-No. 01201.070X, LORO-X Pipe with one socket

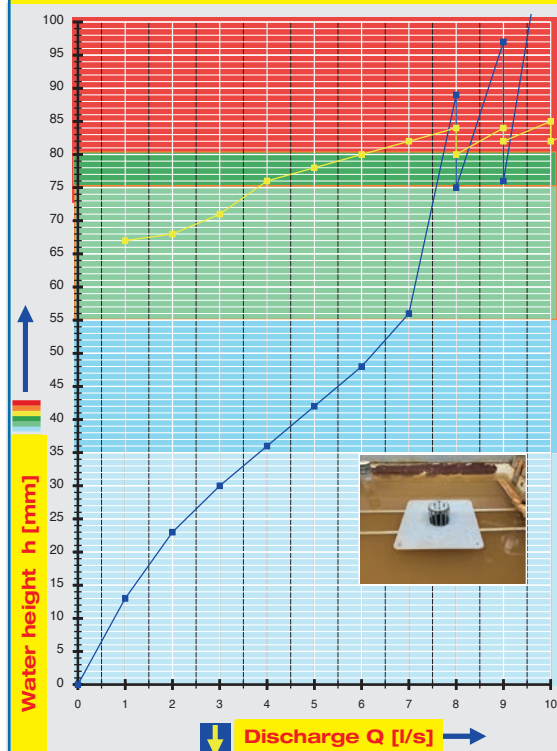
1 x Art.-No. 05510.070X, LORO-X Standpipe

6 x Art.-No. 00911.070X, LORO-X Sealing elements

1 x Art.-No. 00986.000X, LORO-X Lubricant

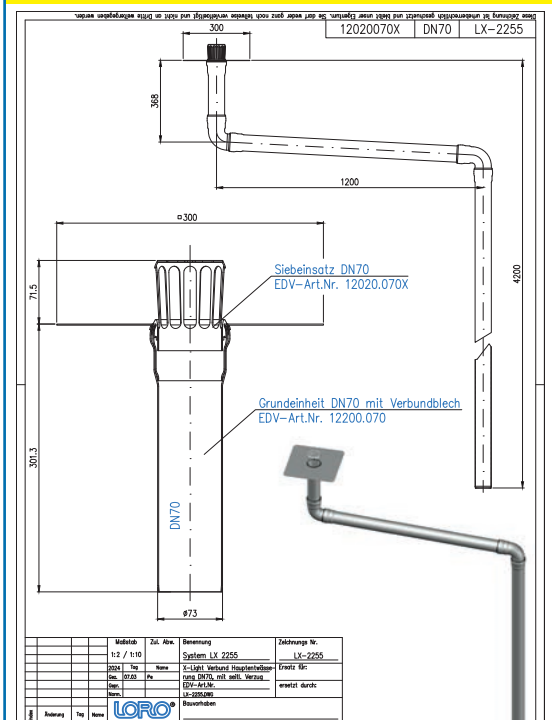
1 x Art.-No. 19842.070X, LORO-X Thermal insulation

hQ - Discharge curve



System power

CAD

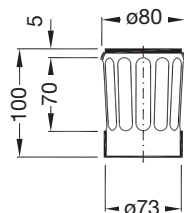


System shape

Water height	mm	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
Discharge	l/sec	-	1,2	1,7	2,3	3,0	3,8	4,6	5,2	6,2	6,9	7,1	7,2	7,4	7,6	7,7	7,9
Silent							Silent Power			Silent Power							

Please choose the respective base unit and bottom unit!

DN 70



Drain
Main drainage
Art.-No. 12020.070X

Flange made of stainless steel

without thermal insulation:

LX2255-20X

one-piece
base unit, vertical
300 x 300 No. 12100.070X



with thermal insulation:

LX2255-20X

one-piece
base unit, vertical
300 x 300 No. 12100.070X
and thermal insulation No. 19842.070X



Flange made of stainless steel

without thermal insulation:

LX2255-20X

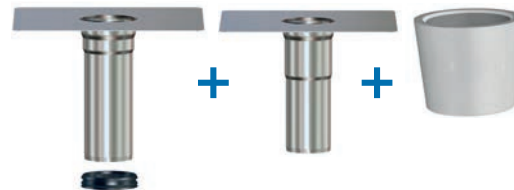
two-piece
base unit, vertical
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X



with thermal insulation:

LX2255-20X

two-piece
base unit, vertical
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X
and thermal insulation No. 19842.070X



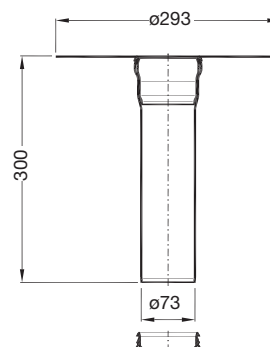
Flange made of composite sheet

Base unit with composite sheet

293 x 293 mm, No. 12200

Factory pre-assembled composite sheets available.

Art.-No.	Producer	Colour
12200.070E	Bauder FPO ANGR	anthracite
12200.070G	ALWITRA Evalon	slate grey
12200.070H	Sika Tocal	light grey
12200.070I	Rhepanol	grey
12200.070J	Wolfin Tectofin	grey
12200.070K	Sarnafil	basalt grey
12200.070L	Bauder FPO SIGR	silver grey
12200.070M	FDT Rhenofol	light grey

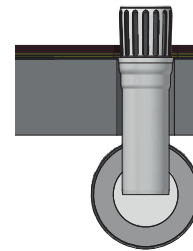


Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification sheet LX 2254

Roof Drainage Series LORO-X Light

Flange stainless steel/composite sheet



Main drainage

Gravity flow

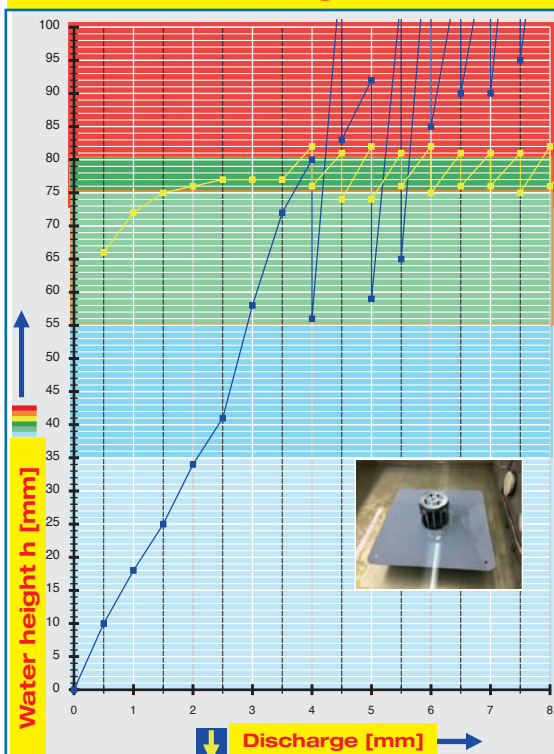
Silent Power

Discharge rate:	2,1 l/s
Water height:	35 mm
Roof penetration:	-
Diameter:	DN 70
LX-Number:	LX 2254
Weir height:	0 mm
Drain:	ventilated
Downpipe:	ventilated
Downpipe height:	-
Drainage:	into the open

LX 2254 Piece list

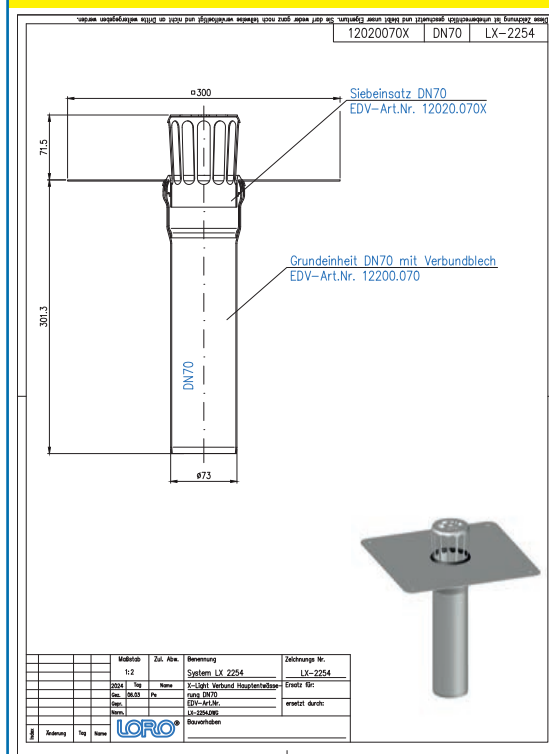
1 x Art.-No. Choose drain on page 2!

hQ - Discharge curve



System power

CAD

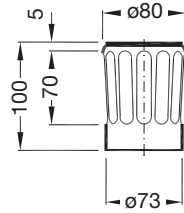


System shape

Water height	mm	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
Discharge	l/s	0,5	0,8	1,2	1,5	1,8	2,1	2,4	2,6	2,8	2,9	3,1	3,2	3,4	3,7	4,0	4,3
Silent Power																	

Please choose the respective base unit and bottom unit!

DN 70



Drain
Main drainage
Art.-No. 12020.070X

Flange made of stainless steel

without thermal insulation:

LX2254-20X

**one-piece
base unit, vertical**
300 x 300 No. 12100.070X



with thermal insulation:

LX2254-20X

**one-piece
base unit, vertical**
300 x 300 No. 12100.070X
and thermal insulation No. 19842.070X



Flange made of stainless steel

without thermal insulation:

LX2254-20X

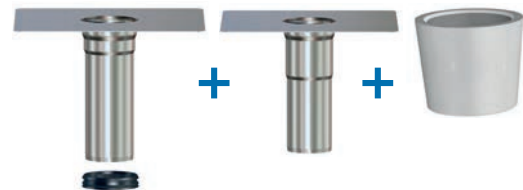
**two-piece
base unit, vertical**
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X



with thermal insulation:

LX2254-20X

**two-piece
base unit, vertical**
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X
und Wärmedämmung No. 19842.070X



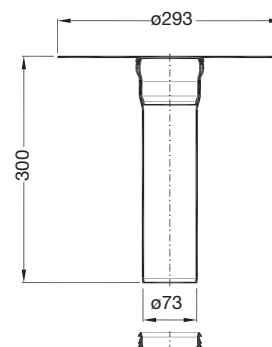
Flange made of composite sheet

Base unit with composite sheet

293 x 293 mm, No. 12200

Factory pre-assembled composite sheets available.

Art.-No.	Producer	Colour
12200.070E	Bauder FPO ANGR	anthracite
12200.070G	ALWITRA Evalon	slate grey
12200.070H	Sika Total	light grey
12200.070I	Rhepanol	grey
12200.070J	Wolfin Tectofin	grey
12200.07K	Samafil	basalt grey
12200.070L	Bauder FPO SIGR	silver grey
12200.070M	FDT Rhonofol	light grey



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification sheet LX 2202

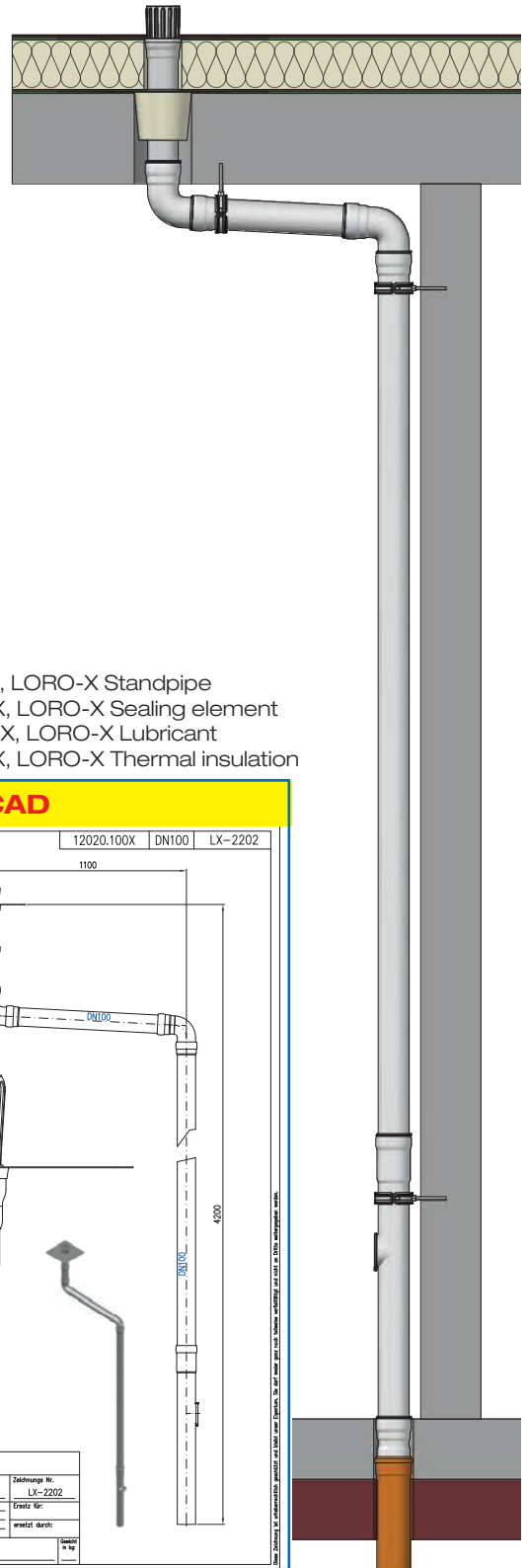
Roof Drainage Series LORO-X Light with bonding flange

Main drainage

Gravity flow

Silent Power

Discharge rate:	4,5 l/s
Water height:	35 mm
Roof penetration:	-
Diameter:	DN 100
LX-Number:	LX 2202
Weir height:	0 mm
Drain:	ventilated
Downpipe:	not ventilated
Downpipe height:	4,2 m
Drainage:	into groundpipe



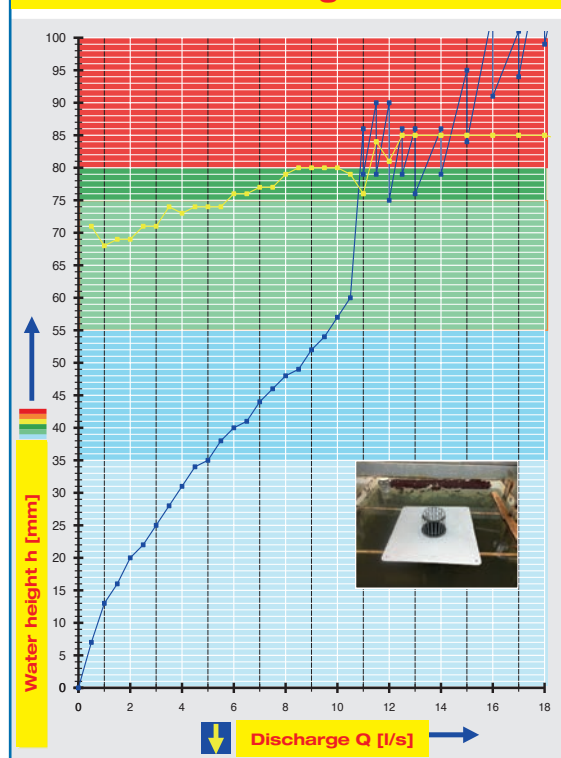
LX 2202 Piece list

1 x Art.-No. Choose drain on page 2!

- 1 x Art.-No. 01401.100X, LORO-X Pipe with one socket
- 2 x Art.-No. 00300.100X, LORO-X Bend
- 1 x Art.-No. 01004.100X, LORO-X Pipe with one socket
- 1 x Art.-No. 01201.100X, LORO-X Pipe with one socket

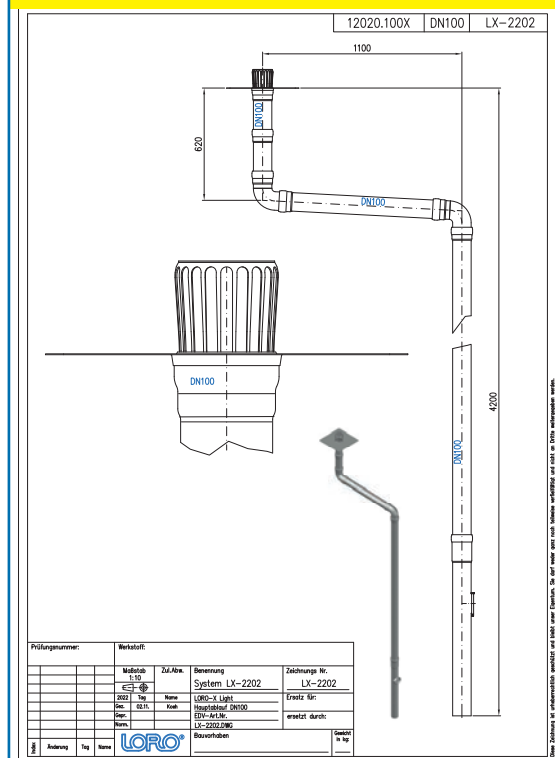
- 1 x Art.-No. 05510.100X, LORO-X Standpipe
- 6 x Art.-No. 00911.100X, LORO-X Sealing element
- 1 x Art.-No. 00986.000X, LORO-X Lubricant
- 1 x Art.-No. 19842.100X, LORO-X Thermal insulation

hQ - Discharge curve



System power

CAD

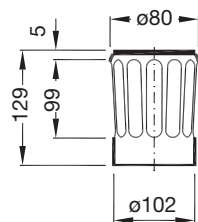


System shape

Water height	mm	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
Discharge	l/sec	0,7	1,4	2,0	3,0	3,8	4,5	6,0	7,3	9,7	9,7	10,5	10,6	10,7	10,8	10,9	11,0
Silent								Silent Power				Power					

Please choose the respective base unit and bottom unit!

DN 100



Drain
Main drainage
Art.-No. 12020.100X

Flange made of stainless steel

without thermal insulation:

LX2202-20X

one-piece
base unit, vertical
400 x 400 No. 12100.100X



with thermal insulation:

LX2202-20X

one-piece
base unit, vertical
400 x 400 No. 12100.100X
and thermal insulation No. 19842.100X



Flange made of stainless steel

without thermal insulation:

LX2202-20X

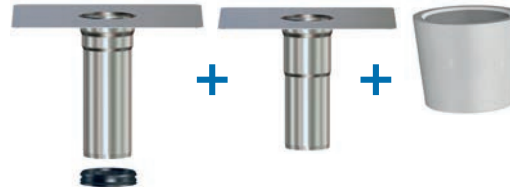
two-piece
base unit, vertical
400 x 400 No. 12100.100X
bottom unit, vertical
No. 12101.100X



with thermal insulation:

LX2202-20X

two-piece
base unit, vertical
400 x 400 No. 12100.100X
bottom unit, vertical
No. 12101.100X
and thermal insulation No. 19842.100X



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification Sheet LX 2209

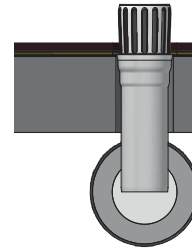
Roof Drainage Series LORO-X Light with bonding flange

Main drainage

Gravity flow

Silent Power

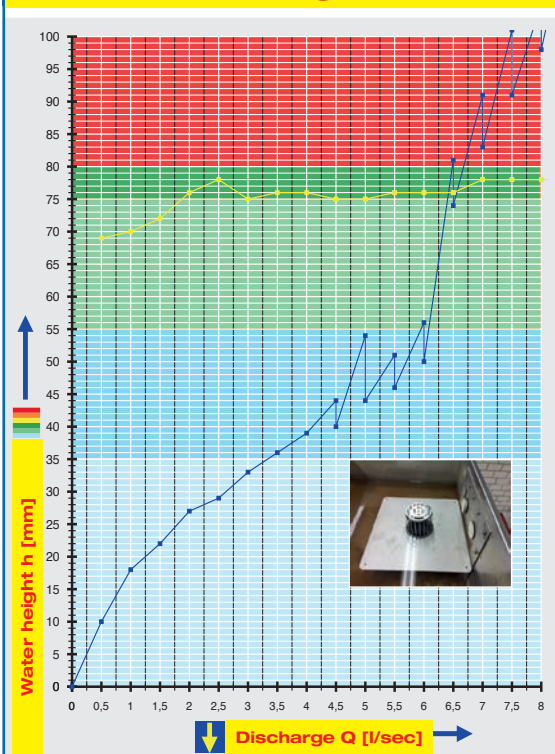
Discharge:	3,3 l/s
Water height:	35 mm
Roof penetration:	-
Diameter:	DN 100
LX-Number:	LX 2209
Weir height:	0 mm
Drain:	ventilated
Downpipe:	ventilated
Downpipe height:	-
Drainage:	into the open



LX 2209 Piece list

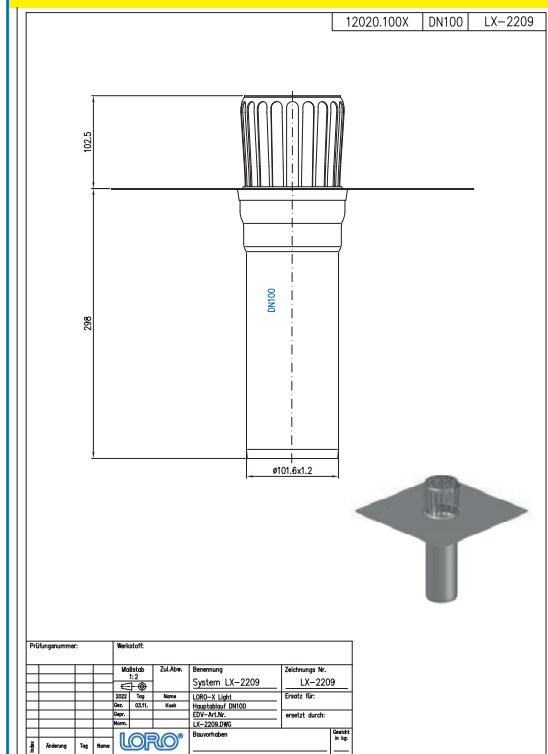
1 x Art.-No. Choose drain on page 2!

hQ - Discharge curve



System power

CAD

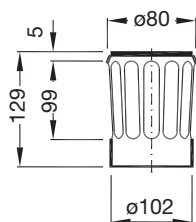


System shape

Water height	mm	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
Discharge	l/sec	0,5	0,8	1,3	1,8	2,6	3,3	4,1	4,7	4,8	5,9	6,2	6,3	6,3	6,4	6,5	6,8
		Silent				Silent Power											

Choose the respective base unit and bottom unit!

DN 100



Drain
Main drainage
Art.-No. 12020.100X

Flange made of stainless steel

without thermal insulation:

LX2209-20X

one-piece
base unit, vertical
400 x 400 No. 12100.100X



with thermal insulation:

LX2209-20X

one-piece
base unit, vertical
400 x 400 No. 12100.100X
and thermal insulation No. 19842.100X



Flange made of stainless steel

without thermal insulation:

LX2209-20X

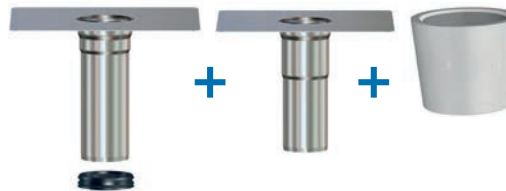
two-piece
base unit, vertical
400 x 400 No. 12100.100X
bottom unit, vertical
No. 12101.100X



with thermal insulation:

LX2209-20X

two-piece
base unit, vertical
400 x 400 No. 12100.100X
bottom unit, vertical
No. 12101.100X
and thermal insulation No. 19842.100X



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification sheet LX 2256

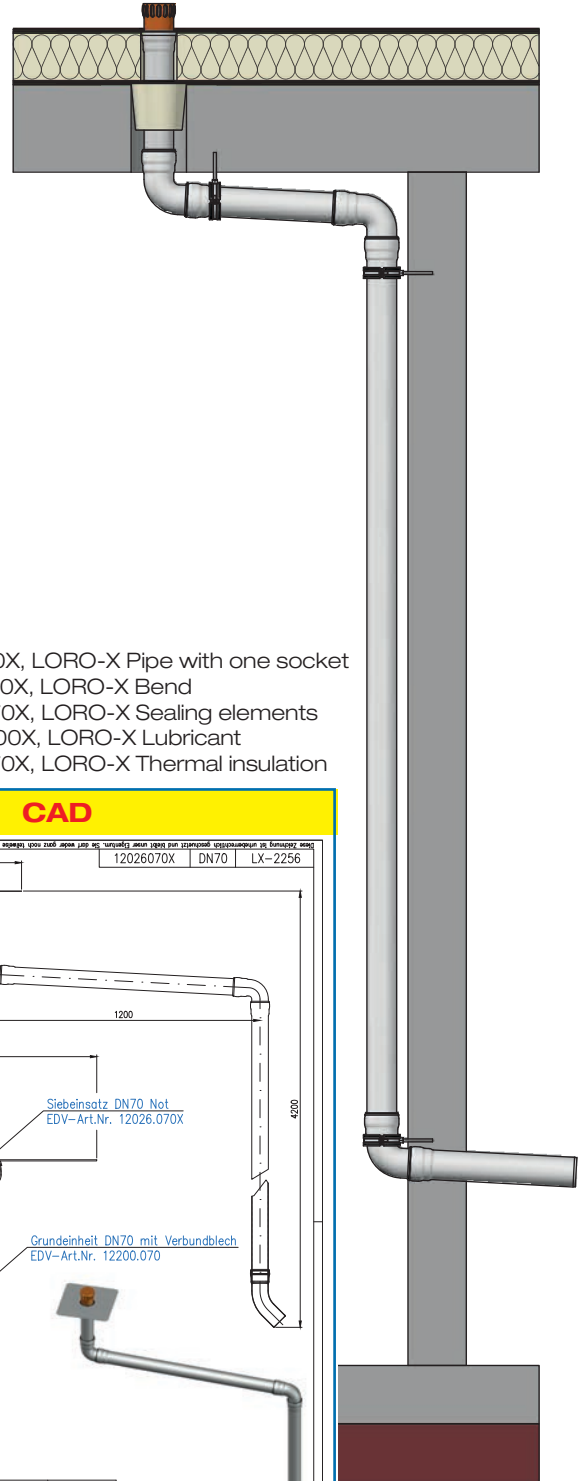
Roof drainage Series LORO-X Light Flange stainless steel/composite sheet

Emergency drainage

Gravity flow

Silent Power

Discharge rate:	4,7 l/s
Water height:	75 mm
Roof penetration:	-
Diameter:	DN 70
LX-Number:	LX 2256
Weir height:	45 mm
Drain:	ventilated
Downpipe:	not ventilated
Downpipe height:	4,2 m
Drainage:	into the open



LX 2256 Piece list

1 x Art.-No. Choose drain on page 2!

1 x Art.-No. 01401.070X, LORO-X Pipe with one socket

2 x Art.-No. 00300.070X, LORO-X Bend

1 x Art.-No. 01201.070X, LORO-X Pipe with one socket

1 x Art.-No. 01011.070X, LORO-X Pipe with one socket

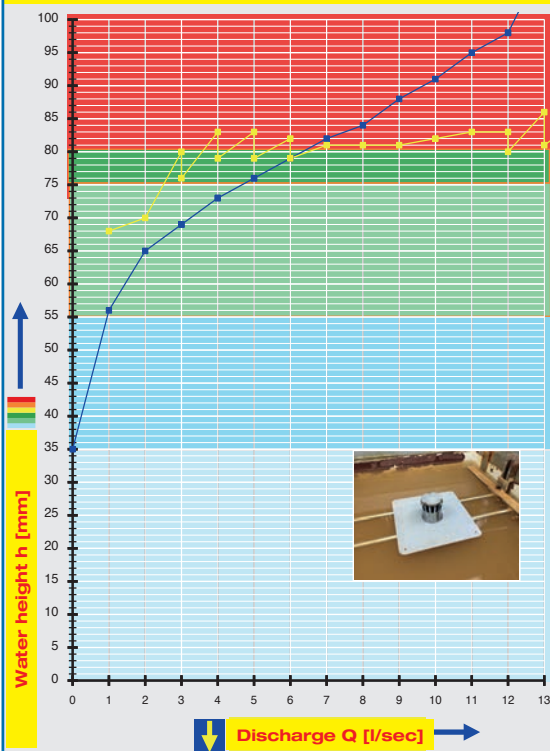
1 x Art.-No. 00320.070X, LORO-X Bend

6 x Art.-No. 00911.070X, LORO-X Sealing elements

1 x Art.-No. 00986.000X, LORO-X Lubricant

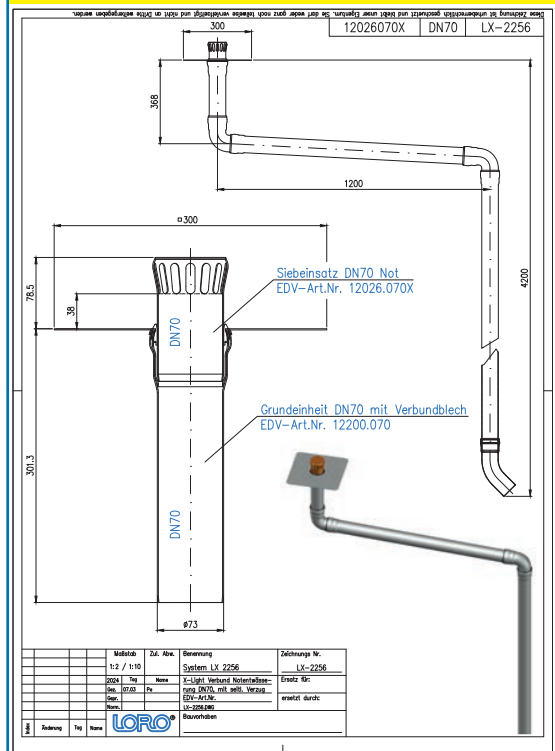
1 x Art.-No. 19842.070X, LORO-X Thermal insulation

hQ - Discharge curve



System power

CAD

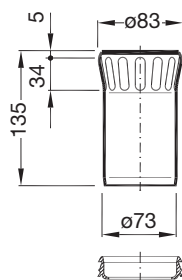


System shape

Water height	mm	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Discharge	l/sec	-	-	-	-	-	-	0,9	1,4	2,0	3,1	4,7	6,3	8,1	9,6	11,0	12,1
								Silent Power			Silent Power		Power				

Please choose the respective base unit and bottom unit!

DN 70



Drain
Emergency drainage
Art.-No. 12026.070X

Flange made of stainless steel

without thermal insulation:

LX2256-20X

one-piece
base unit, vertical
300 x 300 No. 12100.070X



with thermal insulation:

LX2256-20X

one-piece
base unit, vertical
300 x 300 No. 12100.070X
and thermal insulation No. 19842.070X



Flange made of stainless steel

without thermal insulation:

LX2256-20X

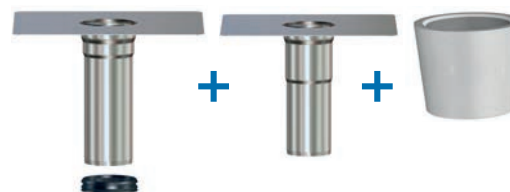
two-piece
base unit, vertical
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X



with thermal insulation:

LX2256-20X

two-piece
base unit, vertical
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X
and thermal insulation No. 19842.070X



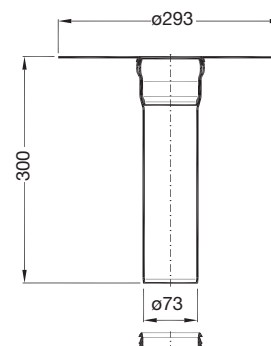
Flange made of composite sheet

Base unit with composite sheet

293 x 293 mm, No. 12200

Factory pre-assembled composite sheets available.

Art.-No.	Producer	Colour
12200.070E	Bauder FPO ANGR	anthracite
12200.070G	ALWITRA Evalon	slate grey
12200.070H	Sika Tocal	light grey
12200.070I	Rhepanol	grey
12200.070J	Wolfin Tectofin	grey
12200.07K	Sarnafil	basalt grey
12200.070L	Bauder FPO SIGR	silver grey
12200.070M	FDT Rhenofol	light grey



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification Sheet LX 2253

Roof Drainage Series LORO-X Light

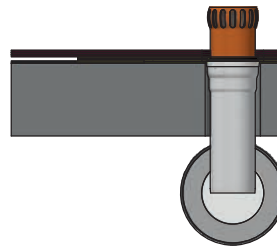
Flange stainless steel/composite sheet

Emergency drainage

Gravity flow

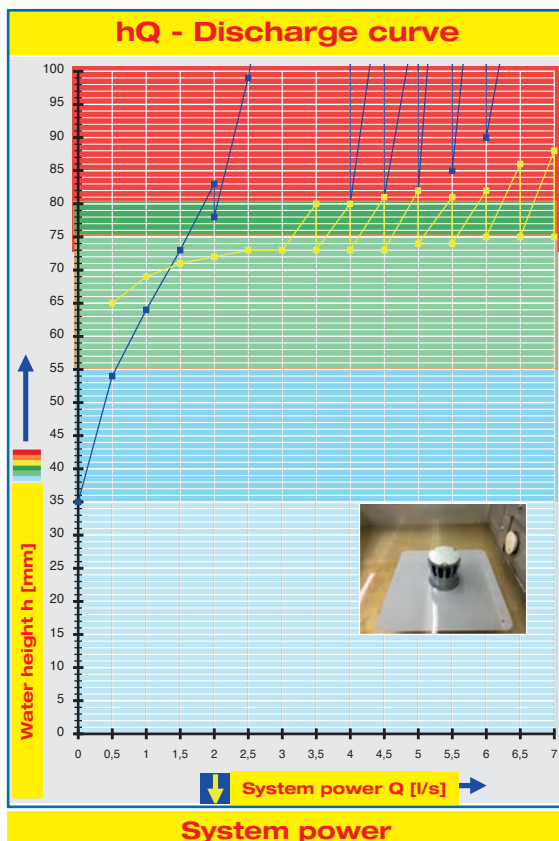
Silent Power

Discharge rate:	1,6 l/s
Water height:	75 mm
Roof penetration:	-
Diameter:	DN 70
LX-Number:	LX 2253
Weir height:	45 mm
Drain:	ventilated
Downpipe:	ventilated
Downpipe height:	4,2 m
Drainage:	into the open

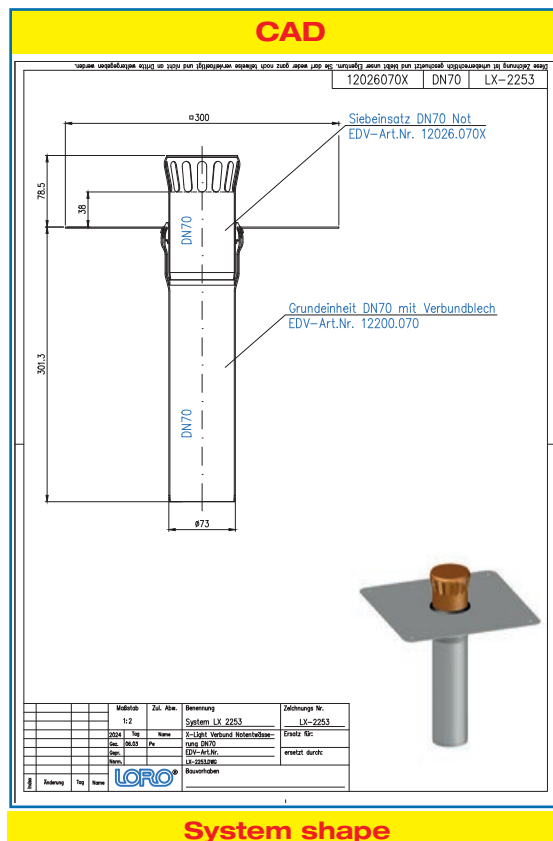


LX 2253 Piece list

1 x Art.-No. Choose drain on page 2!



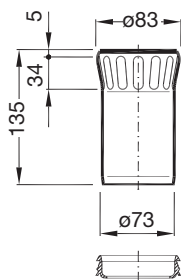
System power



Water height	mm	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Discharge	l/s	-	-	-	-	-	-	0,6	0,8	1,1	1,3	1,6	1,9	2,1	2,3	2,4	2,5
Silent																	

Please choose the respective base unit and bottom unit!

DN 70



Drain
Emergency drainage
Art.-No. 12026.070X

Flange made of stainless steel

without thermal insulation:

LX2253-20X

one-piece
base unit, vertical
300 x 300 No. 12100.070X



with thermal insulation:

LX2253-20X

one-piece
base unit, vertical
300 x 300 No. 12100.070X
and thermal insulation No. 19842.070X



Flange made of stainless steel

without thermal insulation:

LX2253-20X

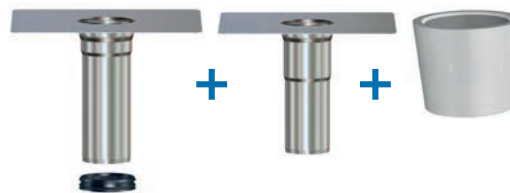
two-piece
base unit, vertical
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X



with thermal insulation:

LX2253-20X

two-piece
base unit, vertical
300 x 300 No. 12100.070X
bottom unit, vertical
No. 12101.070X
and thermal insulation No. 19842.070X



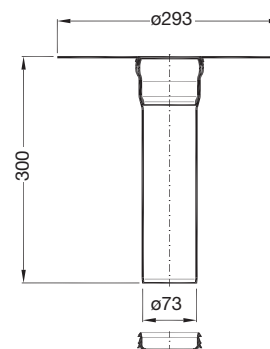
Flange made of composite sheet

Base unit with composite sheet

293 x 293 mm, No. 12200

Factory pre-assembled composite sheets available.

Art.-Nr.	Producer	Colour
12200.070E	Bauder FPO ANGR	anthracite
12200.070G	ALWITRA Evalon	slate grey
12200.070H	Sika Tocal	light grey
12200.070I	Rhepanol	grey
12200.070J	Wolfin Tectofin	grey
12200.07K	Sarnafil	basalt grey
12200.070L	Bauder FPO SIGR	silver grey
12200.070M	FDT Rhenofol	light grey



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification Sheet LX 2203

Roof Drainage Series LORO-X Light with bonding flange

Emergency drainage

Gravity flow

Silent Power

Discharge rate:	4,5 l/s
Water height:	75 mm
Roof penetration:	-
Diameter:	DN 100
LX-Number:	LX 2202
Weir height:	45 mm
Drain:	ventilated
Downpipe:	not ventilated
Downpipe height:	4,2 m
Drainage:	into the open

LX 2203 Piece list

1 x Art.-No. Choose drain on page 2!

1 x Art.-No. 01401.100X, LORO-X Pipe with one socket

2 x Art.-No. 00300.100X, LORO-X Bend

1 x Art.-No. 01201.100X, LORO-X Pipe with one socket

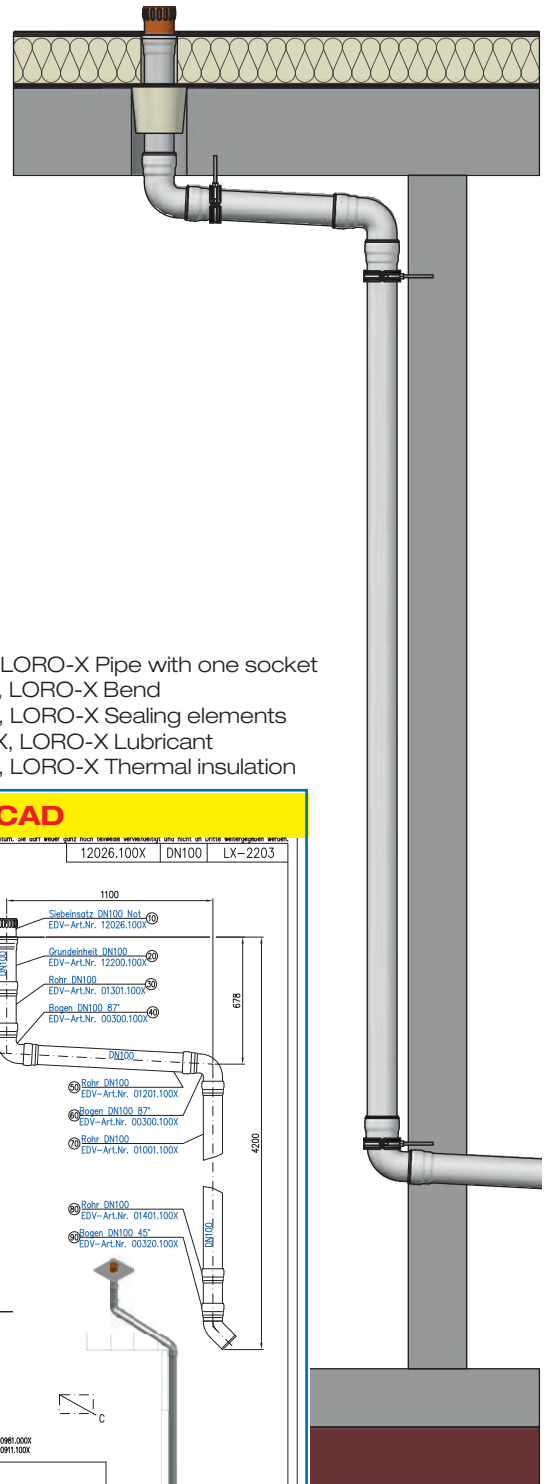
1 x Art.-No. 01011.100X, LORO-X Pipe with one socket

1 x Art.-No. 00320.100X, LORO-X Bend

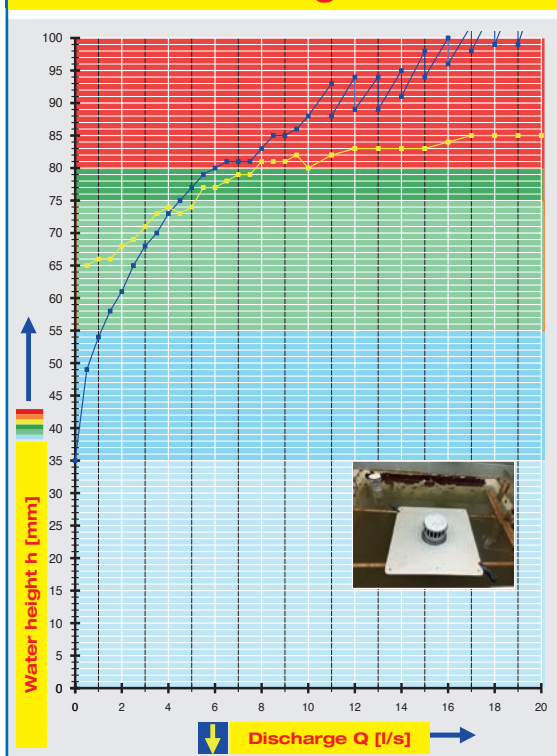
6 x Art.-No. 00911.100X, LORO-X Sealing elements

1 x Art.-No. 00986.000X, LORO-X Lubricant

1 x Art.-No. 19842.100X, LORO-X Thermal insulation

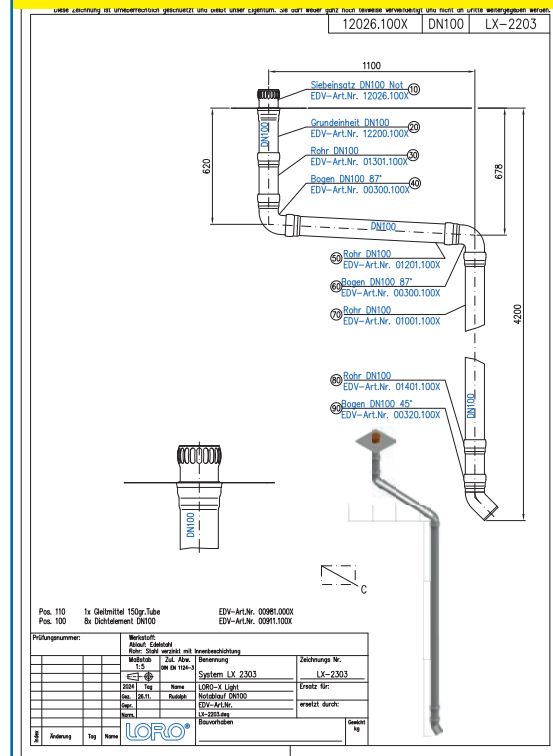


hQ - Discharge curve



System power

CAD

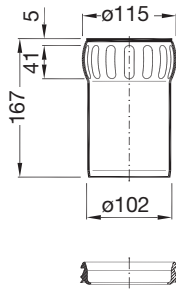


System shape

Water height	mm	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Discharge	l/sec	-	-	-	-	-	0,5	1,1	1,8	2,5	3,5	4,5	6,0	9,0	10,4	14,0	16,7
Silent													SP	Power			

Please choose the respective base unit and bottom unit!

DN 100



Drain
Emergency drainage
Art.-No. 12026.100X

Flange made of stainless steel

without thermal insulation:

LX2203-20X

one-piece
base unit, vertical
300 x 300 No. 12100.100X



with thermal insulation:

LX2203-20X

one-piece
base unit, vertical
300 x 300 No. 12100.100X
and thermal insulation No. 19842.100X



Flange made of stainless steel

without thermal insulation:

LX2203-20X

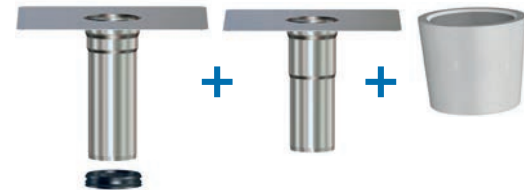
two-piece
base unit, vertical
300 x 300 Nr. 12100.100X
bottom unit, vertical
No. 12101.100X



with thermal insulation:

LX2203-20X

two-piece
base unit, vertical
300 x 300 Nr. 12100.100X
bottom unit, vertical
No. 12101.100X
and thermal insulation No. 19842.100X



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

Specification Sheet LX 2210

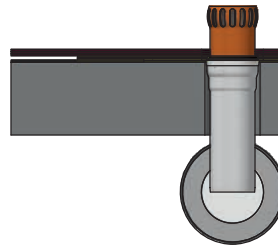
Roof Drainage Series LORO-X Light with bonding flange

Emergency drainage

Gravity flow

Silent Power

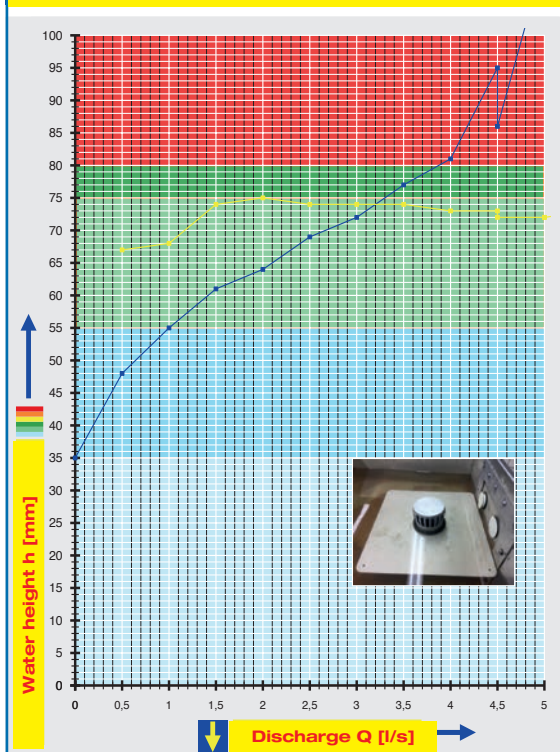
Discharge rate:	3,3 l/s
Water height:	75 mm
Roof penetration:	-
Diameter:	DN 100
LX-Number:	LX 2210
Weir height:	45 mm
Drain:	ventilated
Downpipe:	ventilated
Downpipe height:	4,2 m
Drainage:	into the open



LX 2210 Piece list

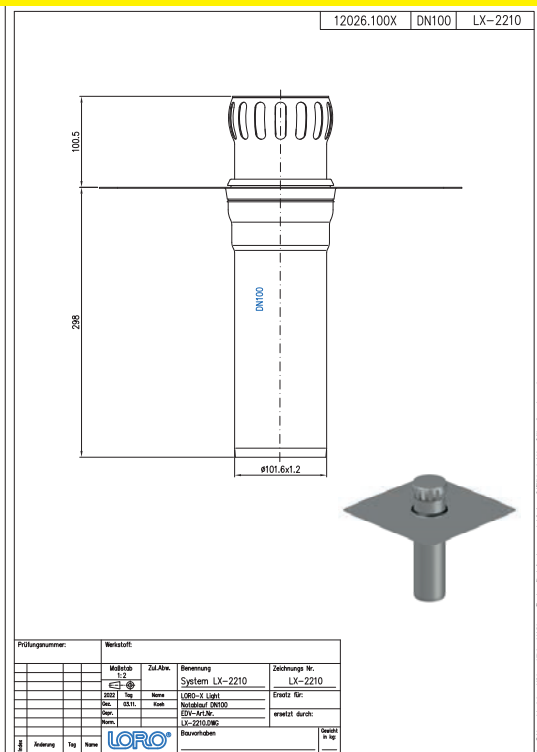
1 x Art.-No. Choose drain on page 2!

hQ - Discharge curve



System power

CAD

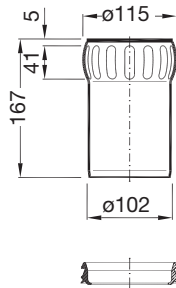


System shape

Water height	mm	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Discharge	l/s	-	-	-	-	-	0,6	1,0	1,4	2,1	2,7	3,3	3,9	4,1	4,3	4,5	4,8
Silent Power																	

Please choose the respective base unit and bottom unit!

DN 100



Drain
Emergency drainage
Art.-No. 12026.100X

Flange made of stainless steel

without thermal insulation:

LX2210-20X

one-piece
base unit, vertical
300 x 300 No. 12100.100X



with thermal insulation:

LX2210-20X

one-piece
base unit, vertical
300 x 300 No. 12100.100X
and thermal insulation No. 19842.100X



Flange made of stainless steel

without thermal insulation:

LX2210-20X

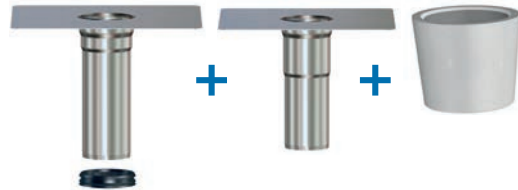
two-piece
base unit, vertical
300 x 300 No. 12100.100X
bottom unit, vertical
No. 12101.100X



with thermal insulation:

LX2210-20X

two-piece
base unit, vertical
300 x 300 No. 12100.100X
bottom unit, vertical
No. 12101.100X
and thermal insulation No. 19842.100X



Heat tracing: Lorowerk recommends to check all drains and pipes with regard to their frost-sensibility. Where necessary, these parts should be upgraded with heat tracing.

LORO-X Steel discharge pipes and fittings

with push-fit socket connection

Further pipes and fittings in the current **pricelist** and on **www.loro.de/en/start/** -> Product finder

LORO-X Pipe with one socket

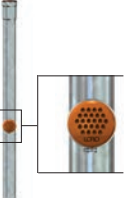
	I (mm)	DN 70	DN 100
	250	01401.070X	01401.100X
	500	01301.070X	01301.100X
	750	01211.070X	01211.100X
	1000	01201.070X	01201.100X
	1500	01111.070X	01111.100X
	2000	01101.070X	01101.100X
	2500	01004.070X	01004.100X
	2500*	01002.070X	01002.100X
	2750	01005.070X	01005.100X
	2750*	01003.070X	01003.100X
	3000	01001.070X	01001.100X

* with long socket for balcony drainage

LORO-X Standpipe with cleaning opening

	I (mm)	DN 70	DN 100
	1000	05510.070X	05510.100X
	2000	05520.070X	05520.100X

LORO-X Rain standpipe with high performance safety overflow

	I (mm)	DN 70	DN 100
	1500	-	55154.100X
	2000	-	55204.100X

LORO-X Bend

		DN 70	DN 100
	87°	00300.070X	00300.100X
	70°	00310.070X	00310.100X
	45°	00320.070X	00320.100X
	30°	00330.070X	00330.100X
	15°	00340.070X	00340.100X

LORO-X Branch

		DN 70	DN 100
	87°	00200.CC0X	00200.DD0X
	45°	00220.CC0X	00220.DD0X

LORO-X Ventilation piece with perforated metal plate

		DN 70	DN 100
		13217.070X	13217.100X



Please order sealing elements for every socket connection additionally.



LORO-X Sealing elements (Please order sufficient amounts)

		DN 70	DN 100
		00911.070X	00911.100X

LORO-X Sealing elements for transition from LORO-X pipe DN 100 to KA-socket

		DN 100
		00937.100X

LORO-X Lubricant

		250 g	1000 g
		00986.000X	09861.000X

LORO-X Sliding flange, made of stainless steel

		DN 70	DN 100
		15073.070X	15073.100X
		DN 70	DN 100
		13073.070X	13073.100X

Connectors from LORO-X pipe to cast iron pipe (SML)

 LX Cast iron		DN 70/70	DN 100/100
		00630.070X	00630.100X

Connectors from LORO-X pipe to plastic discharge pipe socket (KA)

 LX KA		LX	KA
	DN	100	100
		00630.100X	



Please order sealing elements for every socket connection additionally.

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LORO-X Order Form

Please add the recommended system parts in DN 70 and DN 100 to your drain.

Main drainage		Emergency drainage	
			
LORO-X Light Flat Roof Main drain	LORO-X Light Parapet Main drain	LORO-X Light Flat Roof Emergency drain	LORO-X Light Parapet Emergency drain

Step 1: LORO-X Choose Downpipe

 LORO-X Pipe 1000 mm, Art.-No. 01201.070X 2000 mm, Art.-No. 01101.070X 1000 mm, Art.-No. 01201.100X 2000 mm, Art.-No. 01101.100X	☐	☐	☐	☐
 LORO-X Rain Standpipe Art.-No. 05510.070X Art.-No. 05510.100X	☐	☐	☐	☐
 LORO-X Pipe Clip Art.-No. 00973.070X Art.-No. 00975.100X	☐	☐	☐	☐
 LORO-X Threaded Rods Art.-No. 09604.200X	☐	☐	☐	☐
 LORO-X Sealing Element Art.-No. 00911.070X Art.-No. 00911.100X	☐	☐	☐	☐

Step 2: LORO-X Choose Fittings

 LORO-X Bend 87° Art.-No. 00300.070X 45° Art.-No. 00320.070X 87° Art.-No. 00300.100X 45° Art.-No. 00320.100X	☐	☐	☐	☐
 LORO-X Ventilation Piece Art.-No. 13217.070X Art.-No. 13217.100X	☐	☐	☐	☐
 LORO-X Branch 87° Art.-No. 00200.CC0X 87° Art.-No. 00200.DD0X	☐	☐	☐	☐

Step 3: LORO-X Choose Accessoires

 LORO-X Sliding flange Art.-No. 15073.070X Art.-No. 15073.100X	☐	☐	☐	☐
 LORO-Lubricant Art.-No. 00986.000X	☐	☐	☐	☐

System performance
verification through
LX data-sheet:

