



LORO-X roof drainage systems

New from LORO 2019:

**LORO-X
DUOSTREAM-Direct
cascade drainage**



**LORO-X
Series V
balcony drainage,
two-piece**



**LORO-X roof/balcony
combination**



**LORO-X
VARIO KANT double pipe
spout**



**LORO-X
rain standpipe
with integrated outlet bend**



**LORO-X
rain standpipes
with high-performance safety
overflow**



**LORO-X
DUOSTREAM
high-performance
cascade drainage**



**Innovative new products
and extensions to the
range**

...reliable, optimum drainage!

NEW from LORO 2019

LORO-X roof drainage systems

1



Item no. 13461.100X



Item no. 13471.100X

Set-back storey drainage and cascade drainage

LORO-X DUOSTREAM®-Direct

with bonding flange and low roof penetration depth

Current 160

Seite / Page

4

Main drainage

LX 1981

Emergency drainage

LX 1990

2



Item no. 20455.070X

Balcony drainage

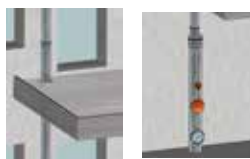
LORO-X balcony drains, series V

- two-piece, DN 70
- as corner upstand

Current 119

5-7

3 4



Balcony drainage

LORO-X roof/balcony combination

The DUOSTREAM roof/balcony drainage combination enables the combined drainage of the roof and the balcony as main and emergency drainage with new series J emergency drain for balcony floors and lower balconies.

Current 174

Current 134

8-9

5



Item no. 13072.070X

Item no. 13072.100X

LORO-X VARIO Kant spout, with double pipe, DN 70 and DN 100

for bending on site

10

6



Item no. 13605.100X



Item no. 13607.100X

Parapet drainage

LORO-X main-emergency combination parapet drain

- with **45° clamping flange** for bituminous roofing sheets
- with **90° clamping flange** for plastic roofing sheets

11

7



Item no. 55252X

Rain standpipes and rainwater downpipes

LORO-X standpipe

without cleaning opening, with integrated 45° outlet bend, 1500 mm long
DN 50 - DN 125

12

8



Item no. 55154.150X

Rain standpipes and rainwater downpipes

LORO-X rain standpipes

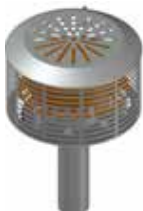
with high-performance safety overflow

1500 mm long, DN 150

Current 142

12

9



Item no. 21314.050X

Item no. 21314.070X

Item no. 21314.100X

Emergency drainage with variable-height weir for siphonic flow

LORO-X Series 49 DRAINJET®

- with standard hood and siphonic flow

13

10



Set-back storey drainage and cascade drainage

LORO-X DUOSTREAM high-performance

series 43, with clamping flange

Current 160

14-15

1

New item 1: Cascade drainage

LORO-X DUOSTREAM-Direct cascade drainage

with low roof penetration depth

The new parapet-direct multi-storey drains for the DUOSTREAM cascade drainage impress with a particularly low roof penetration depth in the structure of the roof terrace of just 55 mm.

Thanks to the space-saving parapet-direct construction with a 45-degree bonding flange, the multi-storey drains blend optimally into the roof

terrace.

The main drain without weir and the emergency drain with weir guide the DN 50 pipe from the storey above backflow-safe through the parapet and drain the lower storeys via the surrounding DN 100 pipe.

Series 43 LORO-X DUOSTREAM cascade drainage, multi-storey drain keep to the system setup LX1981

Main drainage		DN 100/50
Gravity flow		
	Drainage of the roof terrace (DN 100) Feed-through of the upper floors (DN 50)	13461.100X

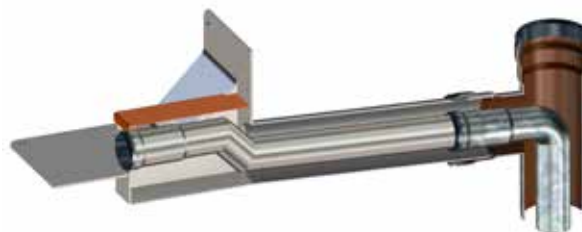
LORO-X DUOSTREAM cascade emergency drainage, multi-storey drain keep to the system setup LX1990

Emergency drainage		DN 100/50
Gravity flow		
	Drainage of the roof terrace (DN 100) Feed-through of the upper floors (DN 50) with congestion element	13471.100X

Main drainage



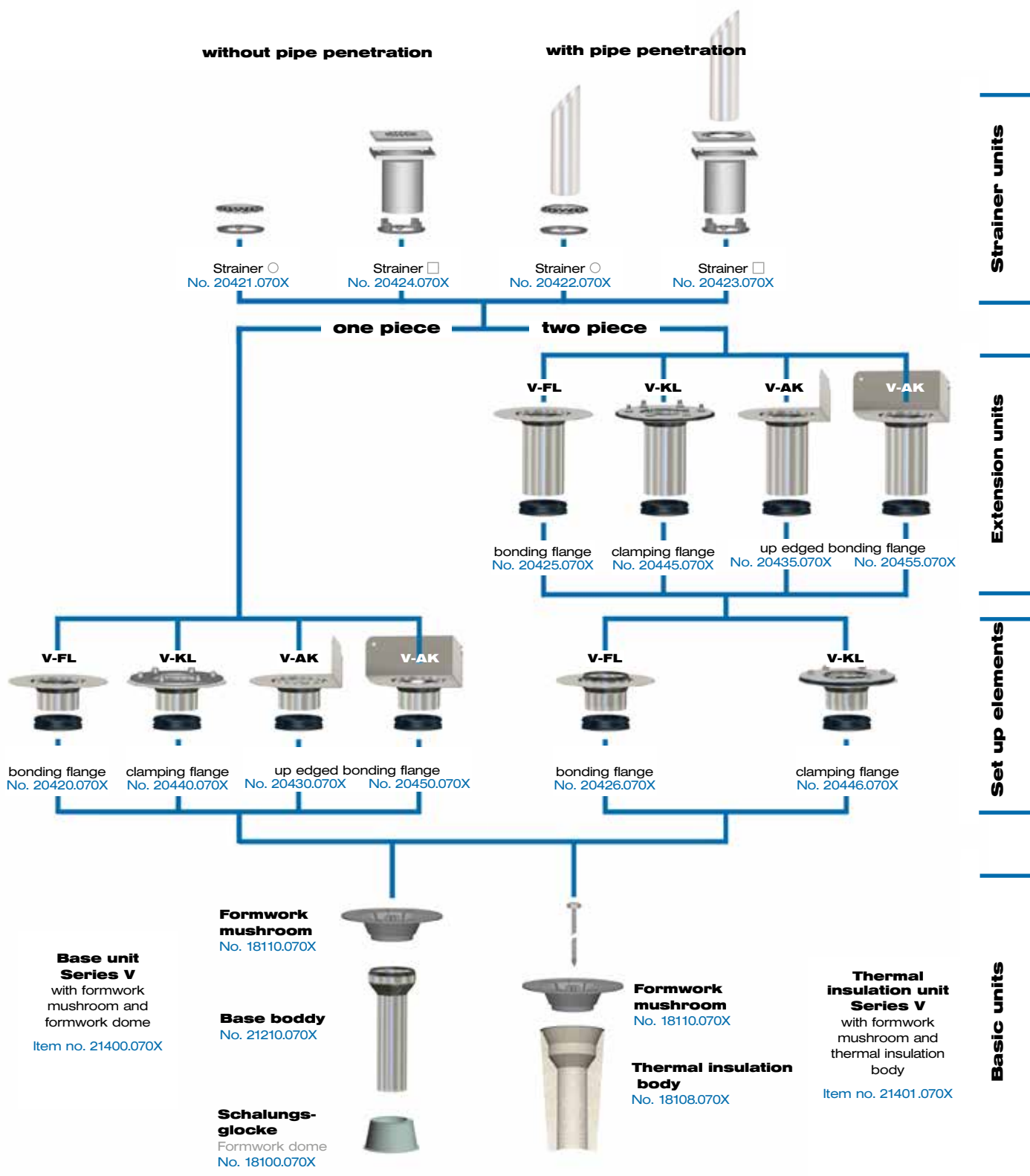
Emergency drainage



2

New item 2: Balcony drainage

LORO-X series V, stainless steel balcony drainage, two-piece



Attention: Please order downpipes separately.

2

New item 2: Balcony drainage

LORO-X series V, stainless steel balcony drainage, two-piece

The proven series-V made of stainless steel and with only one base body is extended by the extension cartridge for two-piece mounting elements for the simple integration of the thermal insulation.

The principle of being able to install the base body without knowing the structure that the balcony will subsequently have is retained.

There is a choice of connection with a bonding flange for liquid plastics or a clamping flange for plastic and bituminous sheeting.

Mounting elements with a special upstand as a mounting aid for installation near rising components round off the range of products in the series V in DN 70.

Thermal insulation base unit for LORO-balcony drains, Series V

	consisting of: formwork mushroom, thermal insulation body and fastening screw	DN 70
		21401.070X

Single units/Additional components for base body LORO-balcony drains, Series V

	Thermal insulation body	DN 70
		18108.070X

Set up elements for one piece version

Series V-AK, with upstanded bonding flange for sealing from liquid plastic at wall corner areas

	consisting of: Setup element with upstanded bonding cornerflange, sealing element DN 100	DN 70
		20450.070X

Set up elements for two piece version

Series V-FL, Set up element with bonding flange, for sealing from liquid plastic

	consisting of: Setup element with socket and bonding flange, sealing element DN 100	DN 70
		20426.070X

Series V-KL, Set up element with clamping flange, for sealing with roofing

	consisting of: Setup element with socket and clamping flange, sealing element DN 100	DN 70
		20446.070X

Please order LORO-X Steel discharge pipes separately.

Extension units for two piece version

Series V-FL, Extension unit with bonding flange, for sealing from liquid plastic

consisting of: Extension body with bonding flange, sealing element DN 100	DN 70	
	20425.070X	

Series V-AK, Extension unit with upstanded bonding flange for sealing from liquid plastic at wall areas

consisting of: Extension body with upstanded bonding flange, sealing element DN 100	DN 70	
	20435.070X	

Series V-AK, Extension unit with upstanded bonding flange for sealing from liquid plastic at wall corner areas

consisting of: Extension body with upstanded bonding cornerflange, sealing element DN 100	DN 70	
	20455.070X	

Series V-KL, Extension unit with clamping flange, for sealing with roofing sheets

consisting of: Extension body with clamping flange, sealing element DN 100	DN 70	
	20445.070X	

Please order LORO-X Steel discharge pipes separately.

3

News item 3: Roof balcony combination

LORO-X DUOSTREAM roof balcony combination

The DUOSTREAM roof/balcony drainage combination enables the combined drainage of the roof and the balcony as main and emergency drainage through two pipelines



LORO-X RAINSTAR® Parapet-Distant

Main drainage		DN 100
Gravity flow		
	for bituminous and plastic roofing sheets*	01390.100X
Emergency drainage		DN 100
Gravity flow		
	for bituminous and plastic roofing sheets*	01391.100X

* including compression seal

LORO-X Serie J Drain body for balcony floors and lower balconies with long socket, connection and conical sealing

		DN 100
	emergency drain, made of galvanized steel	16717.100X

LORO-X Branch 87°

		DN 100
	made of galvanized steel	00200.DD0X

LORO-X Ventilation piece, for downpipe ventilation

		DN 100
	made of galvanized steel	13217.100X

LORO-X Ventilation pieces

		DN 100/150
	made of galvanized steel	00645.DF0X
	with control pipe, made of galvanized steel	00649.DF0X

LORO-X High performance safety over flow with rainwater stand pipe

		DN 150
	1500 mm long, made of galvanized steel	55154.150X

4

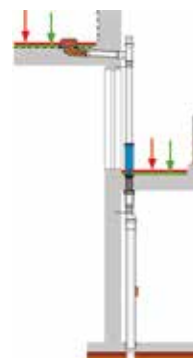
News item 4: Roof balcony combination

LORO-X roof balcony combination

Main-Emergency-Combination

Roof drainage and balcony drainage in one

Roof drainage system with siphonic gravity flow



Series 88

Main drainage	Emergency drainage	DN 100*/50**	
Gravity flow	Gravity flow		
Combination			
LORO-X Main emergency combination parapet drainage		13506.100X	

LORO-X Branch with bend

for redirecting the overpressure flow in the following downpipe

	DN 100	
made of galvanized steel	13500.100X	

LORO-X Ventilation piece, for downpipe ventilation

	DN 100	
made of galvanized steel	13217.100X	

LORO-X Ventilation pieces

	DN 100/150	
made of galvanized steel	00645.DF0X	
with control pipe, made of galvanized steel	00649.DF0X	

LORO-X High performance safety over flow with rainwater stand pipe

	DN 150	
1500 mm long, made of galvanized steel	55154.150X	

5

New item 5: Parapet drainage

LORO-X VARIOKANT double pipe spout

for bending on site

Thanks to the thin-walled stainless steel bonding flange, the VARIOKANT spout can be bent on site to precisely the height necessary for the emergency drainage and the structural conditions.

As a supplement to the familiar LORO-X VARIOKANT spouts, the model with double pipe allows the use of 2 spouts with only 1 seal and 1 cut-out in the parapet. The strainer basket for

insertion prevents stones or refuse from getting into the open through the spout.

Secure feeding through the vapour barrier is also achieved through combination with the dimensionally matching LORO-X double pipe sliding flanges.

LORO-X VARIO Upstand spout with double pipe, for bending on site

		DN 70	DN 100
	zum bauseitigen Abkanten for bending on site	13072.070X	13072.100X

LORO-X Strainer basket

		DN 70	DN 100
		15217.070X	15217.100X

LORO-X pitot tube

		DN 70	DN 100
		13214.070X	13214.100X



6

New item 6: Parapet drainage

LORO-X Main-Emergency-Combination parapet drainage

with clamping flange, made of stainless steel, nach DIN EN 1253, DN 100/50

Series 88

Main drainage	Emergency drainage	DN 100/50	
Gravity flow	Siphonic flow		
Combination			
with clamping flange 45° for bitumen roof sealing membrane		13605.100X	
with clamping flange 90° for plastic roofing sheets		13607.100X	

7

New item 7: Rain standpipe

LORO-X rain standpipe with integrated outlet bend

Emergency drainage into the open often takes place via a separate 45-degree outlet bend, which is mounted on the lower end of the downpipe, where it must also be held.

With the new LORO-X rain standpipes with integrated outlet bend, this additional mounting effort is dispensed with and the risk of the outlet

bend subsequently slipping off due to the water pressure from above is eliminated.

As all nominal sizes are covered from DN 50 to DN 150, the drainage of small porches and shelters as well as that of large roof areas can be implemented.

Standpipe (downspout)

without cleaning opening, with included bend 45°

	I (mm)	DN 50	DN 70	DN 80	DN 100	DN 125
	1500	55252.050X	55252.070X	55252.080X	55252.100X	55252.125X

8

New item 8: Rain standpipe

LORO-X rain standpipe with high-performance safety overflow (HSÜ) in DN 150

In order to reliably prevent backflow from the underground pipe onto balconies and roofs, the new LORO-X rain standpipe with high-performance safety overflow (HSÜ) provides for the safe discharge of the water from the downpipe – up to nine litres per second.

Mechanical stresses due to carelessness (such as bicycles or mopeds leaned against the pipe) or vandalism cannot affect the pipe.

Existing downpipes can be repaired quickly and backflow-safe with the standpipe.

The pipe, which is made of hot-dip galvanized steel, is highly resistant to external influences.

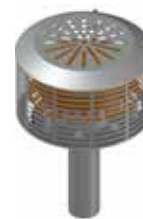
LORO-X High performance safety over flow with rainwater stand pipe

		DN 150
	1500 mm long, made of galvanized steel	55154.150X



9

News Item 9 Flat roof drains



LORO-X DRAINJET[®]

emergency drainage with variable-height weir,

with clamping flange, made of stainless steel, DN 50 - DN 100,

with standard Cover and siphonic flow

Series 49

Emergency drainage	DN 50	DN 70	DN 100	
Siphonic flow				
	21314.050X	21314.070X	21314.100X	

10

New item 10: High-performance cascade drainage

LORO-X DUOSTREAM

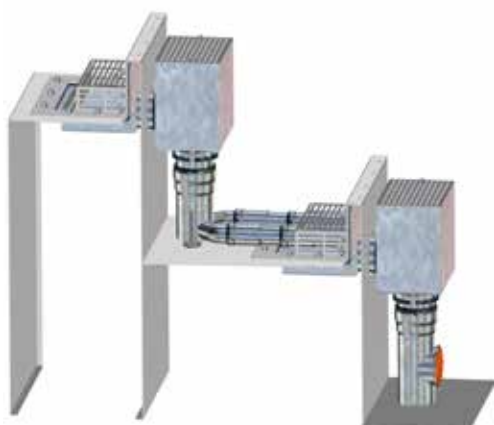
High-performance cascade drainage

The LORO-X high-performance cascade drainage attains up to 8 l/s with the space-saving DN 50 double pipe offset above the roof terrace.

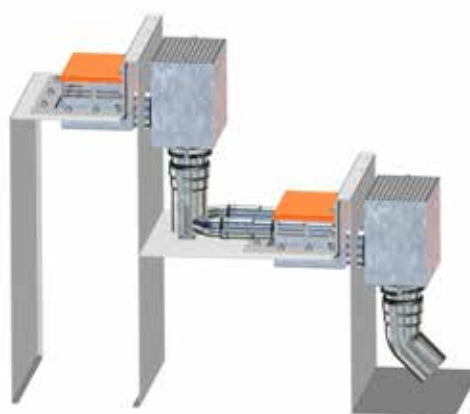
In this way, in conjunction with the standard DUOSTREAM cascade drainage, the number

of storeys can be increased (up to 8 l/s per stream on the lower storeys) or the size of the connected areas for roof and roof terrace can also be increased while keeping the same number of storeys.

Main drainage



Emergency drainage



Series 43

LORO-X DUOSTREAM high performance cascade drainage, Double Pipe - Roof

	Main Drainage	DN 100/50
	Gravity flow	
	with clamping flange	13543.100X

LORO-X QUATTROFLUX roof terrace with strainer

	Main Drainage	DN 100/50
	Gravity flow	
	Drainage of the roof terrace (2 x DN 100) Feed-through of the roof drainage (2 x DN 50)	13541.100X

Series 43
**LORO-X DUOSTREAM high performance cascade drainage,
Double Pipe - Roof**

	Emergency drainage	DN 100/50
	Gravity flow	
	with clamping flange	13457.100X

LORO-X DUOSTREAM roof terrace with strainer

	Emergency drainage	DN 100/50
	Gravity flow	
	Drainage of the roof terrace (2 x DN 100) Feed-through of the roof drainage (2 x DN 50)	13458.100X

LORO-X DUOSTREAM roof collector box

	DN 100/100	
	13426.D0DX	

LORO-X DUOSTREAM High performance roof terrace deflection

	DN 100/50/50	
from pipe-in-pipe downpipe (DN 100/50) into double pipe (DN 50/50) under the paving slabs	13221.DBBX	

LORO-X DUOSTREAM roof terrace collector box

	DN 100/50/100	
with Reducing double branches	13428.DBDX	

LORO-X High performance safety over flow with Stand pipe

	DN 100	DN 125	
1500 mm long, made of galvanized steel	55154.100X	-	
		-	
2000 mm long, made of galvanized steel	55204.100X	55204.125X	



LOROWERK K.H. Vahlbrauk GmbH & Co. KG

Kriegerweg 1 • 37581 Bad Gandersheim, Postfach 1380 • 37577 Bad Gandersheim • Germany
Tel. +49 5382 71 0 • Telefax +49 5382 71 203 • Internet: www.loro-x.com • e-mail: infocenter@lorowerk.de