



LORO-RAINSTAR® Parapet drains - distant, without upstand,

made of steel, with clamping flange,
according to DIN EN 1253,
for bituminous and plastic roofing sheets

for gravity flow and siphonic flow

- as main drainage
- as emergency drainage
- DN 40 - DN 100
- up to 26.0 l/s



for gravity flow

discharge rate as

main drainage:

DN 50	= 5.1 l/s
DN 70	= 5.2 l/s
DN 100	= 5.4 l/s

discharge rate as

emergency drainage:

DN 50	= 7.6 l/s
DN 70	= 10.0 l/s
DN 100	= 9.0 l/s



for siphonic flow

discharge rate as

main drainage:

DN 40	= 4.4 l/s
DN 50	= 8.5 l/s
DN 70	= 13.2 l/s
DN 100	= 16.2 l/s

discharge rate as

emergency drainage:

DN 40	= 4.5 l/s
DN 50	= 8.6 l/s
DN 70	= 17.6 l/s
DN 100	= 26.0 l/s

Advantages:

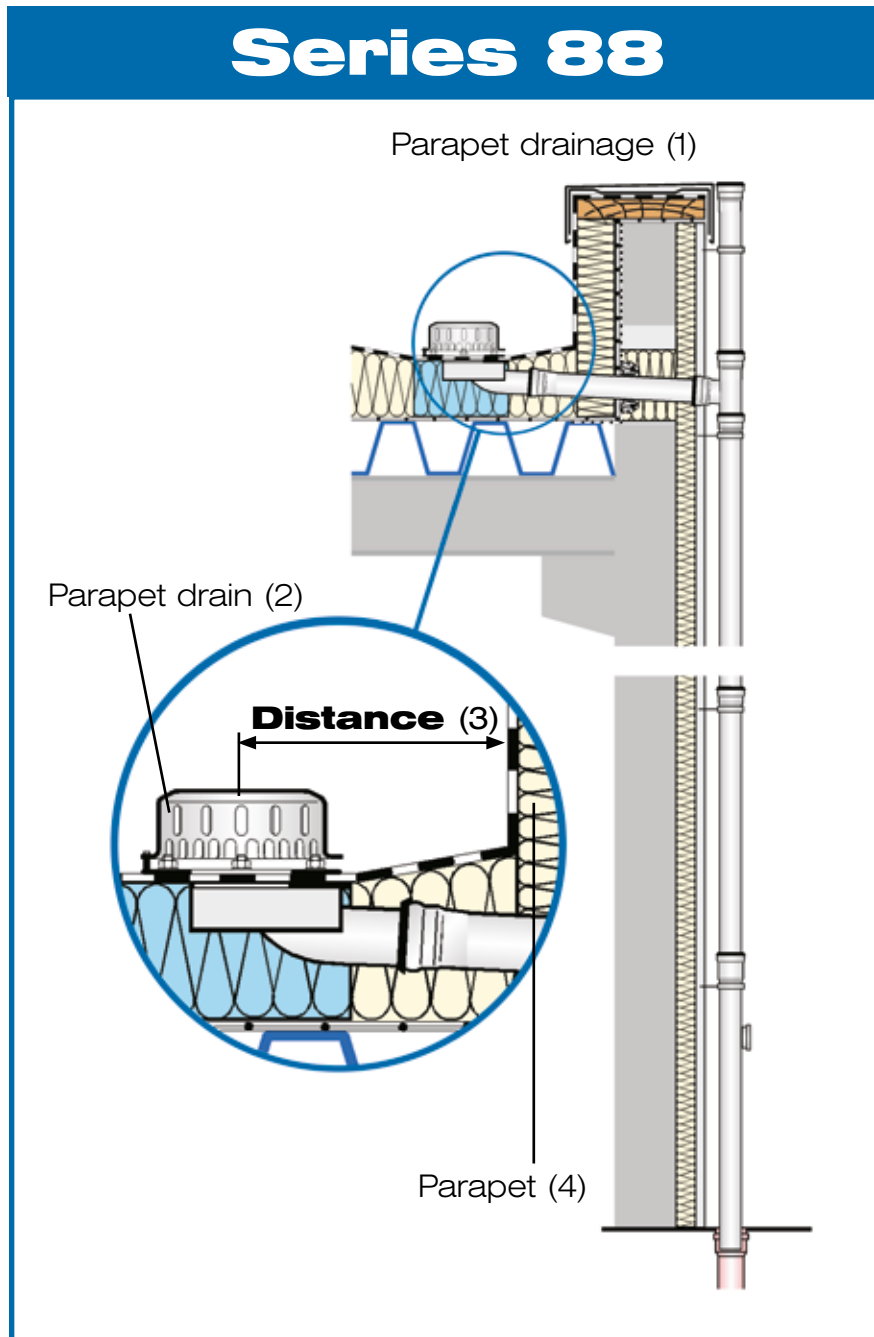
- without upstand, thus installation with distance to the parapet penetration
- break-proof, shockproof and treadable due to UV-resistant hood made of stainless steel
- CAD-precise complete system with reliable proof of performance
- integrated weir under the hood (of the emergency drain)
- main and emergency drain at the same level
- pressure-resistant steel discharge pipe system according to DIN EN 1123

Series 88 RAINSTAR®
Distant - without raised edge

Type	Main drainage						Emergency drainage											
	Gravity flow			Siphonic flow			Gravity flow				Siphonic flow							
	Silent Power						Silent Power											
	<p>with clamping flange 01390X</p>			<p>with clamping flange 01392X</p>			<p>with clamping flange 01391X</p>				<p>with clamping flange 01393X</p>							
	DN	50	70	100	50	70	100	50	70	100	40	50	70	100				
	Roof penetration depth	82 mm	92 mm	106 mm	82 mm	92 mm	106 mm	82 mm	92 mm	106 mm	76 mm	82 mm	92 mm	106 mm				
	Water height (mm)	35	35	35	55	55	55	75	75	75	75	75	75	75	75			
Weir height (mm)	0	0	0	0	0	0	35	35	35	55	55	55	55	55				
LX-No.	LX490	LX489	LX460	LX467	LX479	LX492	LX461	LX480	LX494	LX493	LX465	LX469	LX481	LX485	LX682	LX500	LX466	LX482
Discharge Q (l/s)																		

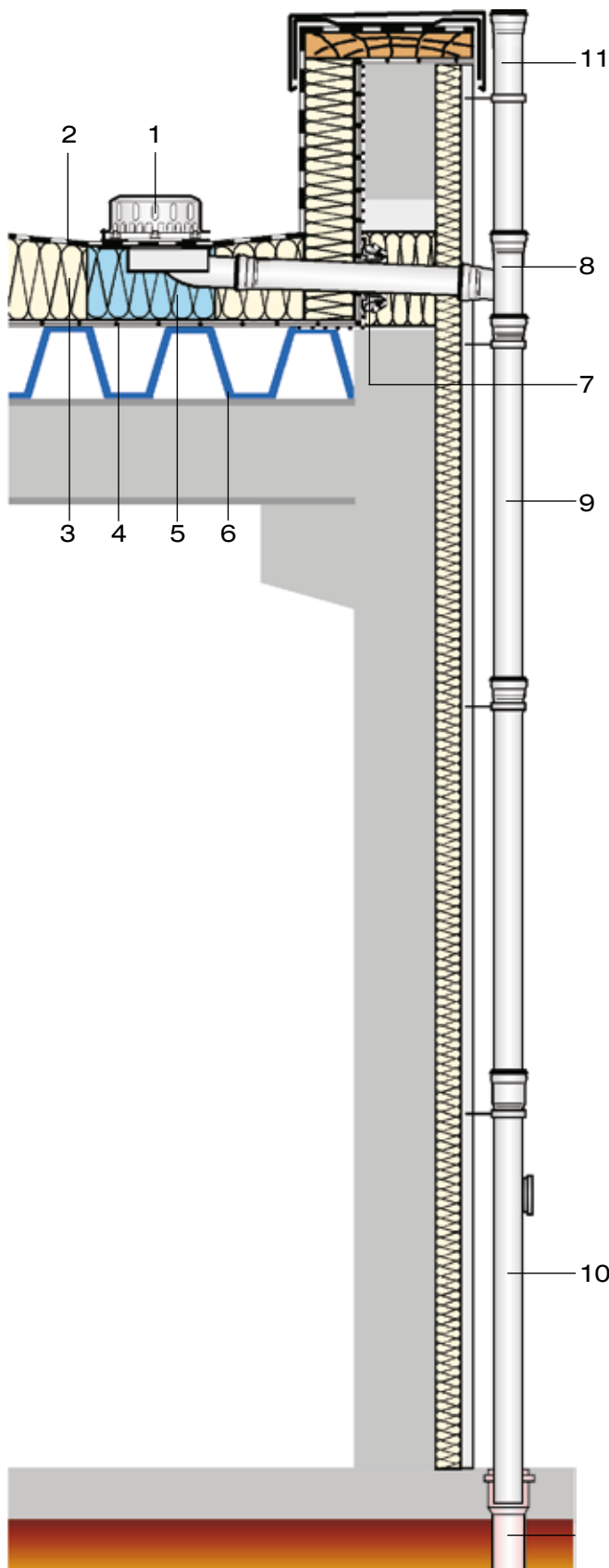
Series 88

Parapet-Distant
without upstand
for variable distance to the parapet



LORO-X roof drainage systems of the series 88 constitute a parapet drainage (1) that enables the installation of the parapet drain (2) with distance to the parapet (4). This is possible due to the fact that the drain does not have an additional installation aid in form of a parapet upstand.

Examples of Application



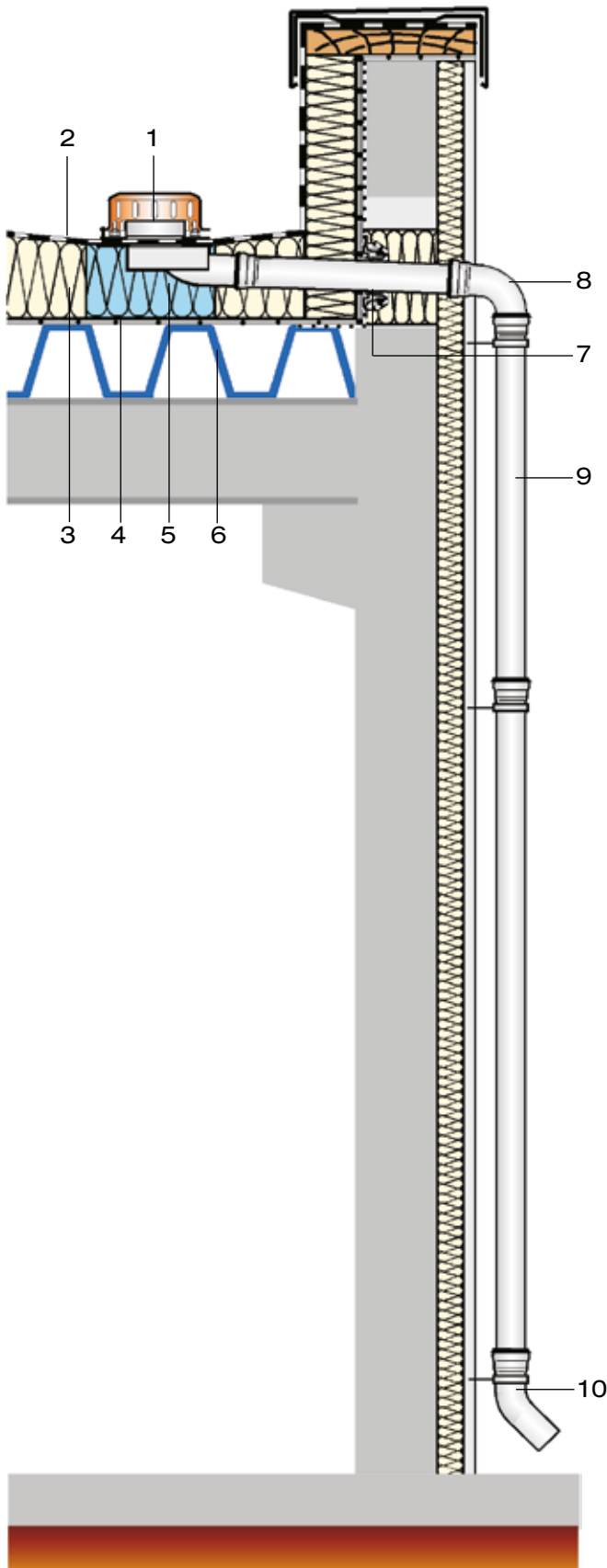
LORO-RAINSTAR®
Parapet drains - distant,
DN 50, DN 70 and DN 100,
without upstand, with clamping flange,
according to DIN EN 1253,
with ventilated downpipe

for bituminous and plastic roofing sheets

- 1 LORO-RAINSTAR® parapet roof drain
- 2 Roofing sheets
- 3 Thermal insulation
- 4 Vapor barrier
- 5 LORO thermal insulation block
(installation aid for installation of the parapet drain in the thermal insulation)
- 6 Trapezoidal sheet industry roof or concrete roof
- 7 LORO sliding flange
(for installation of the vapor barrier)
- 8 LORO-X branch, 87°
- 9 LORO-X rain downpipe
- 10 LORO-X rain standpipe
- 11 LORO-X pipe
- 12 Ground pipe

* In compliance with test specification according to DIN EN 1253

Examples of Application



LORO-RAINSTAR®
Parapet drains - distant,
as emergency drain,
DN 40, DN 50, DN 70 and DN 100,
without upstand, with clamping flange,
according to DIN EN 1253

for bituminous and plastic roofing sheets

- 1 LORO-RAINSTAR® parapet roof drain, as emergency drain
- 2 Roofing sheets
- 3 Thermal insulation
- 4 Vapor barrier
- 5 LORO thermal insulation block (installation aid for installation of the parapet drain in the thermal insulation)
- 6 Trapezoidal sheet industry roof or concrete roof
- 7 LORO sliding flange (for installation of the vapor barrier)
- 8 LORO-X bend, 87°
- 9 LORO-X rain downpipe
- 10 LORO-X bend, 45°

* In compliance with test specification according to DIN EN 1253

Dimensions and Weights

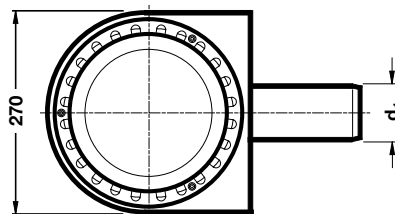
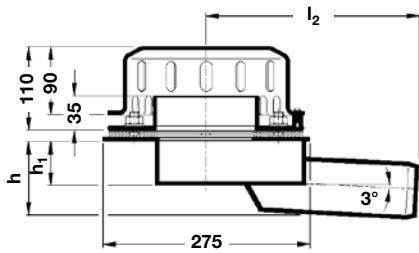
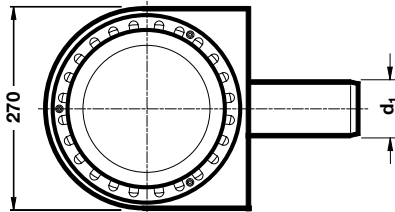
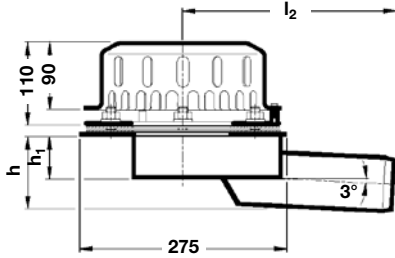
LORO-RAINSTAR® parapet drains, DN 50 / DN 70 / DN 100, Series 88 with clamping flange, without upstand, for bituminous and plastic roofing sheets

consisting of:
strainer basket, loose flange, compression seal**,
drain body

Discharge rate according to specification sheet:

LX 490	DN 50:	5.1 l/s*
LX 489	as spout:	2.2 l/s
LX 460	DN 70:	5.2 l/s*
LX 467	as spout:	3.6 l/s
LX 479	DN 100:	5.4 l/s*

DN 50:	Art-No. 01390.050X	weight:	3.9 kg
DN 70:	Art-No. 01390.070X	weight:	4.1 kg
DN 100:	Art-No. 01390.100X	weight:	4.2 kg



LORO-RAINSTAR® parapet emergency drains DN 50 / DN 70 / DN 100, Series 88 with clamping flange, without upstand, for bituminous and plastic roofing sheets

consisting of:
strainer basket, loose flange, compression seal**,
drain body

Discharge rate according to specification sheet:

LX 494	DN 50:	7.6 l/s*
LX 493	as spout:	2.6 l/s
LX 465	DN 70:	10.0 l/s*
LX 469	as spout:	4.2 l/s
LX 481	DN 100:	9.0 l/s*
LX 485	as spout:	6.8 l/s

DN 50:	Art-No. 01391.050X	weight:	4.0 kg
DN 70:	Art-No. 01391.070X	weight:	4.2 kg
DN 100:	Art-No. 01391.100X	weight:	4.3 kg

DN	d ₁	h	h ₁	l ₂
50	53	82	55	260
70	73	92	55	260
100	102	106	60	290

** Can be omitted when bituminous roofing sheets are used.

* In compliance with test specification according to DIN EN 1253

Dimensions and Weights

LORO-RAINSTAR®

parapet drains, Series 88
DN 40, DN 50, DN 70 and DN 100,
with clamping flange, without upstand,
for bituminous and plastic roofing
sheets

consisting of:
 strainer basket, loose flange, compression seal**,
 drain body

Discharge rate according to specification sheet:

LX 677	DN 40:	4.4 l/s*
LX 492	DN 50:	8.5 l/s*
LX 461	DN 70:	13.2 l/s*
LX 480	DN 100:	16.2 l/s*

DN 40:	Art-No. 01392.040X	weight: 4.0 kg
DN 50:	Art-No. 01392.050X	weight: 4.1 kg
DN 70:	Art-No. 01392.070X	weight: 4.3 kg
DN 100:	Art-No. 01392.100X	weight: 4.4 kg

LORO-RAINSTAR®

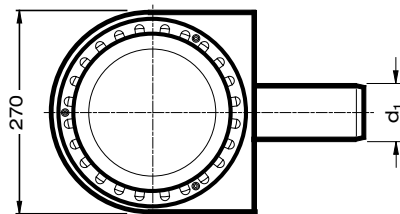
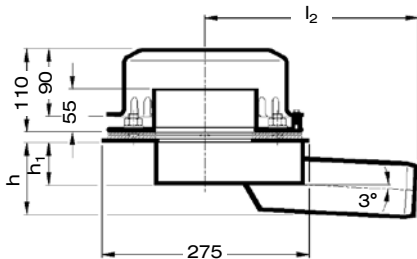
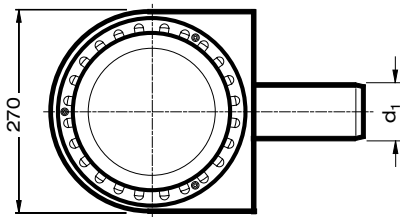
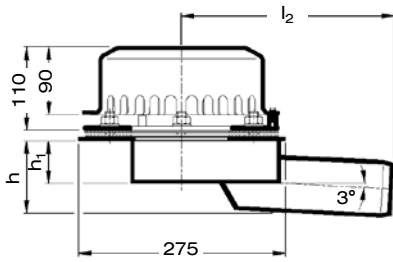
parapet emergency drains,
DN 40, DN 50, DN 70 and DN 100,
with clamping flange, without upstand,
for bituminous and plastic roofing
sheets

consisting of:
 strainer basket, loose flange, compression seal**,
 drain body

Discharge rate according to specification sheet:

LX 682	DN 40:	4.5 l/s*
LX 500	DN 50:	8.6 l/s*
LX 466	DN 70:	17.6 l/s*
LX 482	DN 100:	26.0 l/s*

DN 40:	Art-No. 01393.040X	weight: 3.9 kg
DN 50:	Art-No. 01393.050X	weight: 4.0 kg
DN 70:	Art-No. 01393.070X	weight: 4.2 kg
DN 100:	Art-No. 01393.100X	weight: 4.3 kg

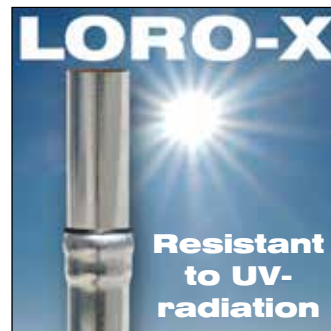
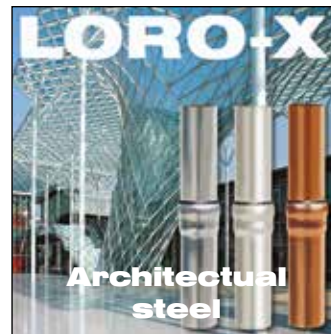
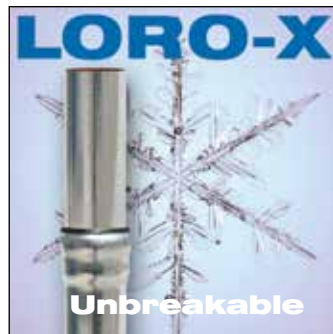
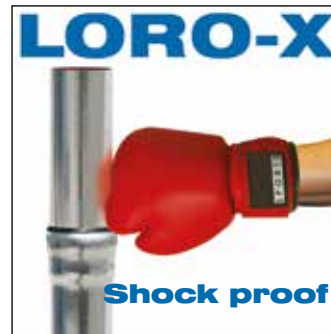


DN	d ₁	h	h ₁	l ₂
40	42	78	55	260
50	53	82	55	260
70	73	92	55	260
100	102	106	60	290

** Can be omitted when bituminous roofing sheets are used.

* In compliance with test specification according to DIN EN 1253

Advantages of LORO-X pipe systems made of steel with LORO-X push-fit socket



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