





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

Advantages:

for siphonic flow discharge rate as

ШĘГ	in a	rainage:
DN	40	= 4.4 l/s
DN	50	= 8.5 l/s
DN	70	= 13.2 l/s
DN 1	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

- 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

Technical status: February 2020 Subject to technical alterations.



System Overview

Series 88 RAINSTAR®

Distant - without raised edge

		Main	dra	inage	•		Emergency drainage								
Туре	Gra	avity flow		Sip	honic 1	low		Gra	avity f	ow		s	iphor	nic flo	w
		Sile	nt P	ower			Silent Power								
	with clam flange			with clar flang				clampi lange				A	mping fl	ange	
	01390									R					ł
DN	50	70	100	50	70	100	50		70	1	00	40	50	70	100
	50		100 106 mm	50 82 mm	70 92 mm	100 106 mm	50 82 m		70 92 mm		DO 3 mm	-		70 92 mm	
	50	70	106		_			im		106		-			
Roof penetration depth	50 82 mm	70 92 mm	106 mm	82 mm	92 mm	106 mm	82 m	im 5	92 mm	106	3 mm	76 mm	82 mm	92 mm	
Roof penetration depth Water height (mm) Weir height (mm) LX-No.	50 82 mm 35 0	70 92 mm 35	106 mm 35 0	82 mm 55	92 mm	106 mm 555 0	82 m 75 35	im 5	92 mm 75	106	6 mm 75 85	76 mm 75 55	82 mm 75 55	92 mm 75 55 LX466	106 mr 75 55 LX48
Roof penetration depth Water height (mm) Weir height (mm) LX-No. 26	50 82 mm 35 0	70 92 mm 35 0	106 mm 35 0	82 mm 55 0	92 mm 55 0	106 mm 555 0	82 m 75 35	im 5	92 mm 75 35	106	6 mm 75 85	76 mm 75 55	82 mm 75 55	92 mm 75 55 LX466	106 mr 75 55 LX48
Roof penetration depth Water height (mm) Weir height (mm) LX-No.	50 82 mm 35 0	70 92 mm 35 0	106 mm 35 0	82 mm 55 0	92 mm 55 0	106 mm 555 0 LX480	82 m 75 35	im 5	92 mm 75 35	106	6 mm 75 85	76 mm 75 55	82 mm 75 55	92 mm 75 55 LX466	106 mr 75 55 LX48
Roof penetration depth Water height (mm) Weir height (mm) LX-No. 26 24 22 20 0 18	50 82 mm 35 0	70 92 mm 35 0	106 mm 35 0	82 mm 55 0	92 mm 55 0 LX461	106 mm 555 0	82 m 75 35	im 5	92 mm 75 35	106	6 mm 75 85	76 mm 75 55	82 mm 75 55	92 mm 75 55 LX466	106 m 75 55 LX48
Roof penetration depth Water height (mm) Weir height (mm) LX-No. 26 24 22 20 0 18 0 16	50 82 mm 35 0	70 92 mm 35 0	106 mm 35 0	82 mm 55 0 LX492	92 mm 55 0	106 mm 555 0 LX480	82 m 75 35	5 5 X493 L1	92 mm 75 35	1000 7 39 LX48 9 9.0	6 mm 75 85	76 mm 75 55	82 mm 75 55	92 mm 75 55 LX466	106 m 75 55 LX48
Roof penetration depth Water height (mm) Weir height (mm) LX-No. 26 24 22 20 0 18 0 16	50 82 mm 35 0 LX490 LX489 2	70 92 mm 35 0 1X460 LX467	106 mm 35 0 : LX479	82 mm 55 0 LX492 8.5 l/s	92 mm 55 0 LX461	106 mm 555 0 LX480 162 l/s	82 m 75 35	5 5 X493 L1	92 mm 75 35 (465 LX44	100 2 3 59 LX48	5 mm 75 35 1 LX485	76 mm 75 55 LX682	82 mm 75 55	92 mm 75 55 LX466	106 mr 75 55 LX48
Roof penetration depth Water height (mm) Weir height (mm) LX-No. 26 24 22 20 C 18 0 16	50 82 mm 35 0 LX490 LX489 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	70 92 mm 35 0 LX460 LX467	106 mm 35 0 LX479	82 mm 55 0 LX492 8.5 l/s	92 mm 55 0 LX461	106 mm 555 0 LX480 162 l/s	82 m 75 35 LX494 L	1 5 5 2 493 2 4 9 1 1 1	92 mm 75 35 (465 LX44	100 2 39 LX48 9.0 1/s *	5 mm 75 85 1 LX485	76 mm 75 55 LX682	82 mm 75 55 LX500 8.6 l/s	92 mm 75 55 LX466	106 mr 75 55
Coof penetration depth Water height (mm) Weir height (mm) LX-No. 26 24 20 20 20 18 16 14 12 10 8	50 82 mm 35 0 LX490 LX489 2	70 92 mm 35 0 LX460 LX467	106 mm 35 0 LX479	82 mm 55 0 LX492 8.5 l/s	92 mm 55 0 LX461	106 mm 555 0 LX480 162 l/s	82 m 75 35 LX494 L	5 5 X493 L1	92 mm 75 35 (465 LX44	100 2 39 LX48 9.0 1/s *	5 mm 75 35 1 LX485	76 mm 75 55 LX682	82 mm 75 55 LX500 8.6 l/s	92 mm 75 55 LX466	106 mr 75 55 LX48

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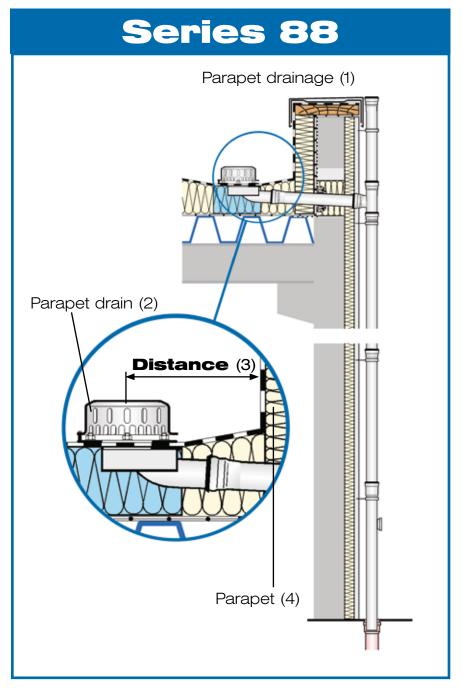
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Description

Series 88

Parapet-Distant without upstand for variable distance to the parapet



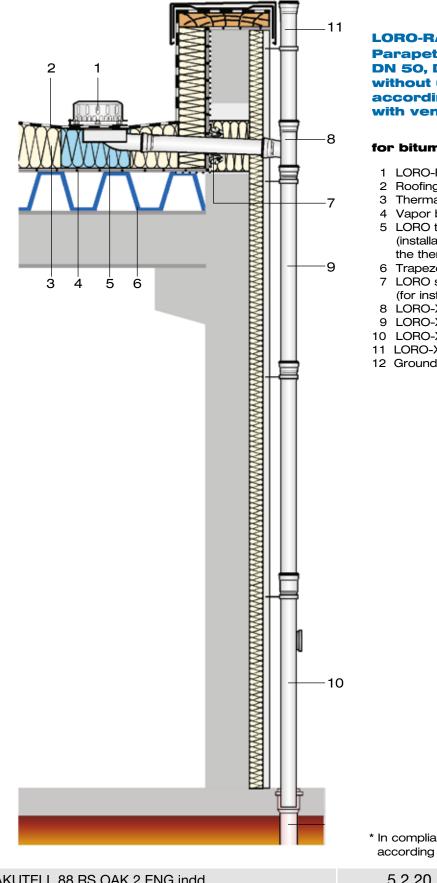
LORO-X roof drainage systems of the series 88 constitute a parapet drainage (1) that enables the installation of the parapet drain (2) with distance to the parapet (4). This is possible due to the fact that the drain does not have an additional installation aid in form of a parapet upstand.

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Application

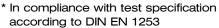
Examples of Application



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

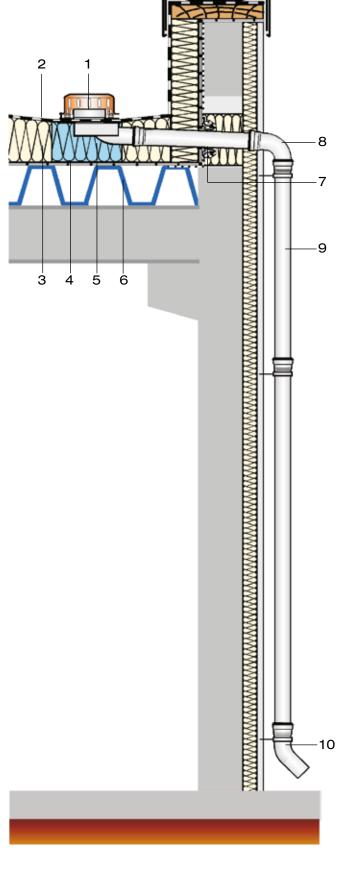


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Application

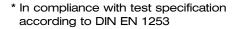
Examples of Application



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

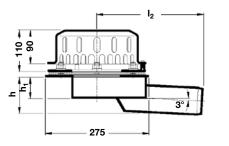
- 1 LORO-RAINSTAR® parapet roof drain, as emergency drain
- 2 Roofing sheets
- 3 Thermal insulation
- 4 Vapor barrier
- 5 LORO thermal insulation block (installation aid for installation of the parapet drain in the thermal insulation)
- 6 Trapezoidal sheet industry roof or concrete roof 7 LORO sliding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

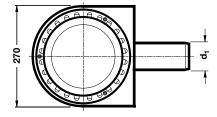


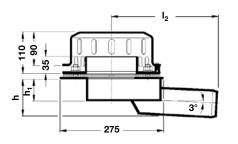
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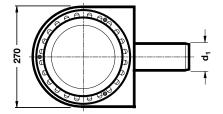


Dimensions









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:	ArtNo. 01390.050X weight:	3.9 kg
DN 70:	ArtNo. 01390.070X weight:	4.1 kg
DN 100:	ArtNo. 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:	ArtNo. 01391.050X	weight:	4.0 kg
DN 70:	ArtNo. 01391.070X	weight:	4.2 kg
DN 100:	ArtNo. 01391.100X	weight:	4.3 kg

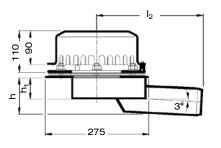
DN	d ₁	h	h ₁	l ₂
50	53	82	55	260
70	73	92	55	260
100	102	106	60	290

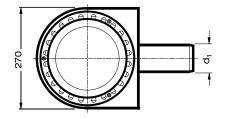
** Can be omitted when bituminous roofing sheets are used.

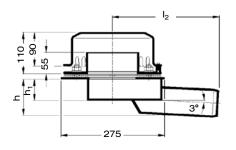
* In compliance with test specification according to DIN EN 1253

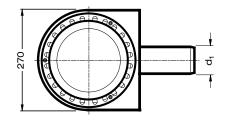


Dimensions









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:

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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 1	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:	ArtNo. 01393.040X	weight: 3.9 kg
DN 50:	ArtNo. 01393.050X	weight: 4.0 kg
DN 70:	ArtNo. 01393.070X	weight: 4.2 kg
DN 100:	ArtNo. 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

AKUTELL 88 RS OAK 2 ENG.indd	5.2.20	Vb/Hop	7/8



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





Please contact us for further information or for placing an order:

LOROWERK

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AKUTELL 88 RS OAK 2 ENG.indd5.2.20Vb/Hop8/8	AKUTELL 88 RS OAK 2 ENG.indd	5.2.20	Vb/Hop	8/8
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