

LORO-X Roof drainage systems for gravity flow

	Main drainage			Emergency drainage													
	Gravity flow			Gravity flow													
Silent Power																	
Series	Series O with connecting sleeve		Series 84 (DL) with clamping flange		Series 84 (DL) with clamping flange												
	one-piece		one-piece		one-piece												
Thermally non-insulated roof	 Vertical runoff version a: DN 70: 15275X, DN 100/DN125: 17110A, version b: DN 70: 15375X, DN 100/DN125: 17141A, version c: DN 100/DN125: 17143A Horizontal runoff version a: DN 70: 15475X, DN 100: 17131A, version b: DN 70: 15575X, DN 100: 17145A, version c: DN 100: 17147A		 Vertical runoff version a: 21511X, version b: 21512X, version c: 21513X Horizontal runoff version a: 21514X, version b: 21515X, version c: 21516X		 Vertical runoff version a: 21711X, version b: 21712X, version c: 21713X Horizontal runoff version a: 21714X, version b: 21715X, version c: 21716X												
Thermally insulated roof	 Vertical runoff version a: DN 70: 15265X, DN 100/DN125: 17120A, version b: DN 70: 15365X, DN 100/DN125: 17142A, version c: DN 100/DN125: 17144A Horizontal runoff version a: DN 70: 15465X, DN 100: 17132A, version b: DN 70: 15565X, DN 100: 17146A, version c: DN 100: 17148A		 Vertical runoff version a: 21520X, version b: 21521X, version c: 21522X Horizontal runoff version a: 21523X, version b: 21524X, version c: 21525X		 Vertical runoff version a: 21720X, version b: 21721X, version c: 21722X Horizontal runoff version a: 21723X, version b: 21724X, version c: 21725X												
DN	70	100	125	50	70	100	50	70	100								
Water height (mm)	35	35	45	35	35	45	75	75	75								
Weir height (mm)	0	0	0	0	0	0	35	35	35								
LX-No.	LX887	LX886	LX884	LX885	LX852	LX1384	LX846	LX888	LX873	LX855	LX874	LX890	LX1385	LX848	LX889	LX875	LX854
Discharge Q (l/s)	4,6	4,2	5,2	4,6	7,7	5,4	6,3	5,6	6,5	6,1	9,8	9,2	7,5	9,0	10,0	9,0	11,0

LORO-X Roof drainage systems for siphonic flow

	Main drainage			Emergency drainage							
	Siphonic flow			Siphonic flow							
Silent Power											
Series	Series 49 (DJ) with clamping flange		Series 112 with clamping flange		Series 49 (DJ) with clamping flange						
	one-piece		one-piece		one-piece						
Thermally non-insulated roof	 Vertical runoff version a: 21111X, version b: 21112X, version c: 21113X Horizontal runoff version a: 21114X, version b: 21115X, version c: 21116X		 LORO-X 100 liter per second high performance roof drainage system DN 150: 21114.150X		 Vertical runoff version a: 21311X, version b: 21312X, version c: 21313X Horizontal runoff version a: 21314X, version b: 21315X, version c: 21316X						
Thermally insulated roof	 Vertical runoff version a: 21121X, version b: 21122X, version c: 21123X Horizontal runoff version a: 21124X, version b: 21125X, version c: 21126X		 DN 150: 21114.150X		 Vertical runoff version a: 21321X, version b: 21322X, version c: 21323X Horizontal runoff version a: 21324X, version b: 21325X, version c: 21326X						
DN	50	70	100	125	150	50	70	100	125	150	
Wh (mm)	55	55	55	55	55/60	75	75	75	75	75	
Weir height (mm)	0	0	0	0	0	55	55	55	55	55	
LX-Nr.	LX1175	LX845	LX530	LX948	LX960	LX836	LX1340	LX847	LX542	LX947	LX961
Discharge Q (l/s)	9,0	18,8	27,0	50,0	50,0	100	9,0	19,4	38,0	92,0	94,4

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LORO-X Roof Drainage Systems consisting of steel discharge pipe with LORO-X push-fit socket connection

Main drainage Emergency drainage Gravity flow Siphonic flow

- Parapet drainage - No pipes inside the building!

Main drainage Emergency drainage Gravity flow Siphonic flow

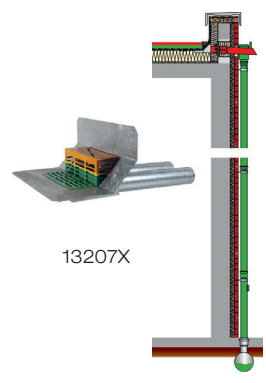
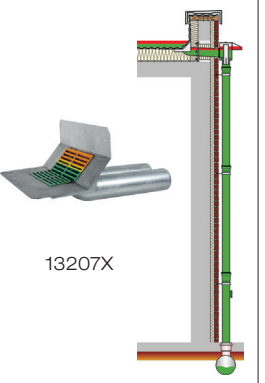

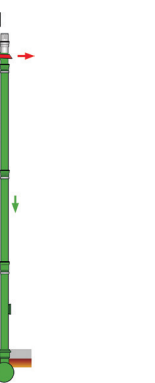
- Flat roof drainage -

...optimal drainage with maximum safety!

	Main drainage		Emergency drainage		
	Gravity flow		Gravity flow		
Silent Power					
Series 49 DRAINLET® Mini					
Channel	 21118.050X 21118.070X with clamping flange		 21119.050X 21119.070X with clamping flange		
Channel width (mm)	150	150	300	150	150
DN	50	70	50	50	70
Water height (mm)	35	35	75	75	75
Weir height (mm)	0	0	40	40	40
LX-No.	LX1391	LX3045	LX1393	LX1493	LX3047
Discharge Q (l/s)	2,7	2,5	7,5	6,9	6,0

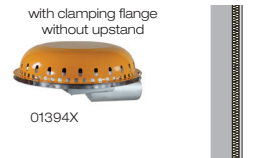
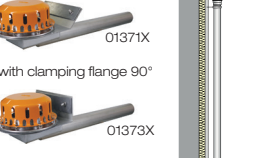
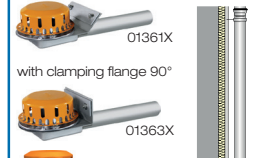
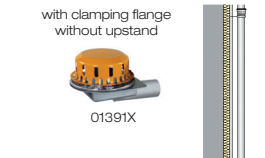
	Main drainage			Emergency drainage			
	Siphonic flow			Siphonic flow			
Silent Power							
Series 49 DRAINJET® Mini							
Channel	 21116.050X 21116.070X with clamping flange			 60 mm weir height 21117.050X 21117.070X 80 mm weir height 21120.070X with clamping flange			
Channel width (mm)	150	300	150	150	300	150	150
DN	50	50	70	50	50	70	70
Water height (mm)	55	55	55	75	75	95	95
Weir height (mm)	0	0	0	60	60	60	80
LX-No.	LX1490	LX1392	LX3044	LX1491	LX1394	LX3046	LX2070
Discharge Q (l/s)	5,5	8,5	5,7	8,0	8,0	13,2	12,4

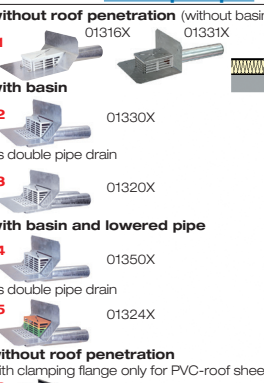
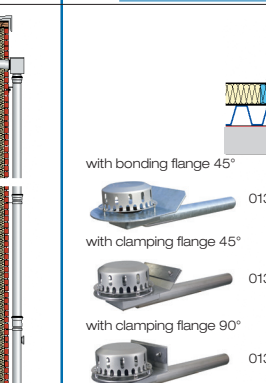
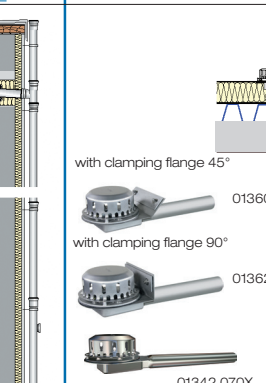
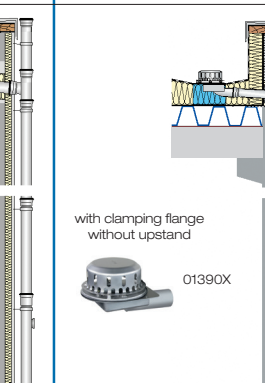
* Discharge rate in compliance with test specification according to DIN EN 1253, downpipe length 4.2 m

	Main drainage		Emergency drainage		Main drainage		Emergency drainage	
	Gravity flow		Gravity flow		Gravity flow		Gravity flow	
	Combi				Combi			
	Series 43 DUOFLUX® main-emergency-combi double pipe				Series 43 DUOFLUX® main-emergency-combi pipe in pipe			
								
	13207X		13207X		13508X			
DN	70	70	100	100	100	100	50	50
Penetration depth	52 mm				103 mm			
Water height (mm)	35	75	35	75	35	75	35	75
Weir height (mm)	0	40	0	0	0	0	40	40
LX-No.	LX1156		LX1196		LX1347			
Discharge in l/s								

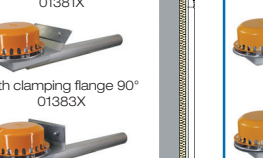
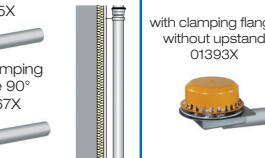



	Main drainage		Emergency drainage		Main drainage		Emergency drainage	
	Gravity flow		Siphonic flow		Siphonic flow		Siphonic flow	
	Combi				Combi			
	Series 88 main-emergency-combi pipe in pipe				Series 88 main-emergency-combi pipe in pipe with bend			
								
	13506X		13506X		13502X			
DN	100	50	100	50	100	100	50	50
Penetration depth	106 mm				106 mm			
Water height (mm)	35	75	35	75	35	75	35	75
Weir height (mm)	0	40	0	0	0	0	40	40
LX-No.	LX772		LX1456					
Discharge in l/s								

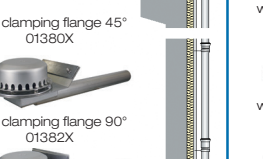
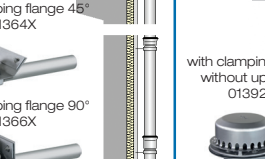


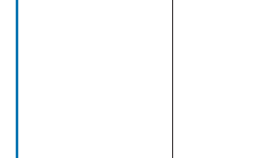
* Discharge rate in compliance with test specification according to DIN EN 1253, downpipe length 4.2 m
 ** LORO self-measurement with completely ventilated downpipe, equals spout performance

	Emergency drainage							
	Gravity flow							
	Silent				Silent Power			
	Series 93 ATTIKASTAR® Spout emergency drain		Series 79 RAINSTAR® High discharge rate due to lowered pipe		Series 89 RAINSTAR® Small installation depth		Series 88 DISTANT Without upstand	
								
	01394X		01371X 01373X		01361X 01363X		01391X	
DN	100	50	70	100	70	100	50	70
Wh (mm)	106	82	92	106	55	55	82	92
Weir height (mm)	75	75	75	75	75	75	75	75
LX-No.	LX859	LX494, LX483, LX465, LX469, LX481, LX485	LX475, LX476, LX668, LX667	LX494, LX493, LX465, LX469, LX481, LX485				
Discharge in l/s								

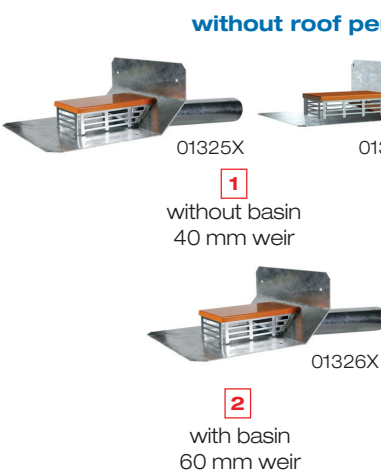
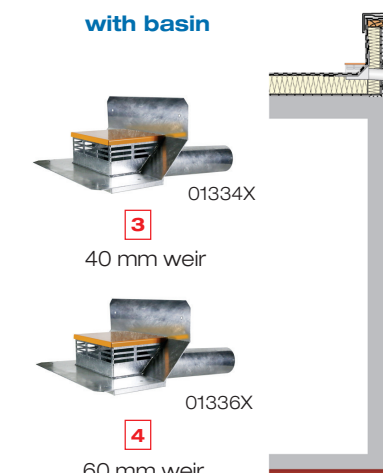
	Main drainage							
	Gravity flow							
	Silent		Silent Power					
	Series 43 DIREKT Installation directly in the parapet		Series 79 RAINSTAR® Standard discharge rate due to lowered pipe		Series 89 RAINSTAR® Small installation depth		Series 88 DISTANT Without upstand	
								
	01316X 01331X		01374X 01370X 01372X		01360X 01362X		01390X	
DN	70	100	50	70	100	70	100	50
Wh (mm)	0	52	82	92	106	55	55	82
Weir height (mm)	35	35	35	35	35	35	35	35
LX-No.	LX820, LX850, LX821, LX847, LX853, LX894, LX727, LX110	LX490, LX489, LX460, LX467, LX479, LX483	LX471, LX472, LX487, LX488	LX490, LX489, LX460, LX467, LX479, LX483				
Discharge in l/s								



* Discharge rate in compliance with test specification according to DIN EN 1253, downpipe length 4.2 m
 ** LORO self-measurement with completely ventilated downpipe, equals spout performance
 *** Discharge capacity as main-emergency-combi system with emergency overflow in collecting box

	Emergency drainage															
	Siphonic flow															
	Silent Power				Silent Power				Silent Power				Silent Power			
	Series 79 RAINSTAR® High discharge rate due to lowered pipe		Series 89 RAINSTAR® Small installation depth		Series 88 DISTANT Without upstand		Series 62 DRAINJET® Without roof penetration		Series 93 ATTIKASTAR® High performance roof drainage							
																
	01383X		01365X 01367X		01393X		01354.100X 01349.100X		013760X							
DN	40	50	70	100	70	100	40	50	70	100	50	70	100	100	100	
Wh (mm)	76	82	92	106	55	55	76	82	92	106	0 mm	0 mm	0 mm	55 mm	55 mm	
Weir height (mm)	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
LX-No.	LX682, LX500, LX466, LX482	LX798, LX666	LX682, LX500, LX466, LX482	LX1326, LX1327, LX637, LX1157, LX1159										LX766		
Discharge in l/s																

	Main drainage															
	Siphonic flow															
	Silent Power				Silent Power				Silent Power				Silent Power			
	Series 79 RAINSTAR® High discharge rate due to lowered pipe		Series 89 RAINSTAR® Small installation depth		Series 88 DISTANT Without upstand		Series 62 DRAINJET® Without roof penetration		Series 93 ATTIKASTAR® High performance roof drainage							
																
	01380X		01364X		01393X		01347.100X		013770X							
DN	50	70	100	70	100	50	70	100	50	70	100	100	100	100	100	
Wh (mm)	82	92	106	55	55	82	92	106	0	0	0	55	55	55	55	
Weir height (mm)	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
LX-No.	LX492, LX461, LX480	LX473, LX665	LX492, LX461, LX480	LX789, LX636, LX1158										LX803		
Discharge in l/s																

* Discharge rate in compliance with test specification according to DIN EN 1253, downpipe length 4.2 m
 ** LORO self-measurement with completely ventilated downpipe, equals spout performance
 *** Discharge capacity as main-emergency-combi system with emergency overflow in collecting box

	Emergency drainage					
	Gravity flow					
	Silent					
	Series 43 Parapet-Direct					
	without roof penetration			with basin		
						
	01325X 01329X			01334X 01336X		
DN	70	100	70	100	100	100
Wh (mm)	0 mm	0 mm	0 mm	0 mm	52 mm	52 mm
Weir height (mm)	0	0	0	0	52 mm	52 mm
LX-No.	LX1573	LX1575	LX1574	LX1576	LX1605	LX1606
Discharge in l/s						

	Emergency drainage			
	Gravity flow			
	Silent			
	Series 62 DRAINLET®			
	without roof penetration		with bonding flange	
				
	01355X/01357X		01397X/01398X	
DN	50	50	70	70
Wh (mm)	0 mm	0 mm	0 mm	0 mm
Weir height (mm)	75	75	75	75
LX-No.	LX1584	LX1585	LX1607	LX1587
Discharge in l/s				

* Discharge rate in compliance with test specification according to DIN EN 1253, downpipe length 4.2 m
 ** LORO self-measurement without downpipe as spout
 *** Discharge capacity as main-emergency-combi system with emergency overflow in collecting box