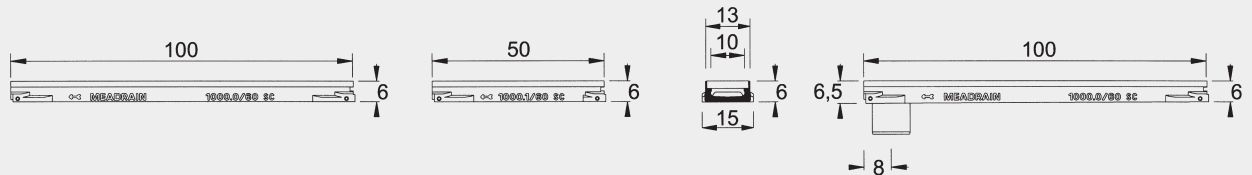


MEADRAIN® Solution System LZ 1000/60 SC System LZ 1000/80 SC

Technical Data



System LZ 1000/60 SC

Material properties

Channel body

- ◆ Polymer concrete
- ◆ Compression resistance: $\geq 95 \text{ N/mm}^2$
- ◆ Flexural strength: $\geq 22 \text{ N/mm}^2$
- ◆ Water absorption: less than 0,05%
- ◆ Density: $2,25 \text{ kg/dm}^3$
- ◆ Modulus of elasticity: $25 - 35 \text{ kN/mm}^2$
- ◆ Water penetration level: 0 mm
- ◆ Material structure: capillary free

Edge protection

- ◆ Galvanised steel : DX 51 D 275 NA

Grating

- ◆ Galvanised steel : DX 51 D 275 NA
- ◆ Ductile iron: GGG
- ◆ Stainless steel: V2A

Description and sizes

- ◆ Drainage channel made of polymer concrete with sealable channel groove
- ◆ Integrated galvanised steel edge protection
- ◆ The /A-marked channel elements include a HD-PE outlet connector $\varnothing 100$
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN Top CLIPFIX grating covers

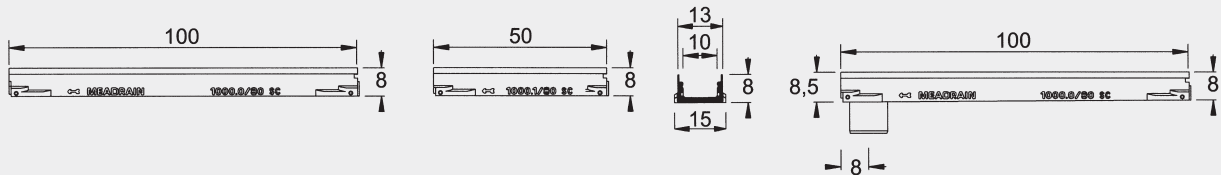
- ◆ Fall type: Without fall
- ◆ Loading classes: A 15 – C 250 to DIN 19 58 0 and prEN 1433
- ◆ Total height: 60 mm (see table)
- ◆ Total width: 130 mm
- ◆ Length: 500 mm and 1000 mm

MEADRAIN® Solution

System LZ 1000/60 SC

System LZ 1000/80 SC

Technical Data



System LZ 1000/80 SC

Material properties

Channel body

- ◆ Polymer concrete
- ◆ Compression resistance: $\geq 95 \text{ N/mm}^2$
- ◆ Flexural strength: $\geq 22 \text{ N/mm}^2$
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Edge protection

- ◆ Galvanised steel : DX 51 D 275 NA

Grating

- ◆ Galvanised steel : DX 51 D 275 NA
- ◆ Ductile iron: GGG
- ◆ Stainless steel: V2A

Description and sizes

- ◆ Drainage channel made of polymer concrete with sealable channel groove
- ◆ Integrated galvanised steel edge protection
- ◆ The /A-marked channel elements include a HD-PE outlet connector $\varnothing 100$
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN Top CLIPFIX grating covers or standard grating covers

- ◆ Fall type: Without fall
- ◆ Loading classes: A 15 – C 250 to DIN 19 58 0 and prEN 1433
- ◆ Total height: 80 mm (see table)
- ◆ Total width: 130 mm
- ◆ Length: 500 mm and 1000 mm

Channel units overview

Channel without fall

Product description	Length [cm]	Total height [cm]	Weight [kg]	Inlet sectional area** [cm ²]	EDP Number 010...
LZ 1000.0/60 SC	100	6,0	8,3	24,0	155561
LZ 1000.0 A/60 SC	100	6,0	8,5	24,0	155565
LZ 1000.1/60 SC	50	6,0	4,2	24,0	155563

A) Channel with HD-PE outlet connector Ø 100

** Cross sectional area from the grating surface to the invert of the channel

Product description	Length [cm]	Total height [cm]	Weight [kg]	Inlet sectional area** [cm ²]	EDP Number 010...
LZ 1000.0/80 SC	100	8,0	8,3	44,0	155571
LZ 1000.0 A/80 SC	100	8,0	8,5	44,0	155575
LZ 1000.1/80 SC	50	8,0	4,2	44,0	155573

A) Channel with HD-PE outlet connector Ø 100

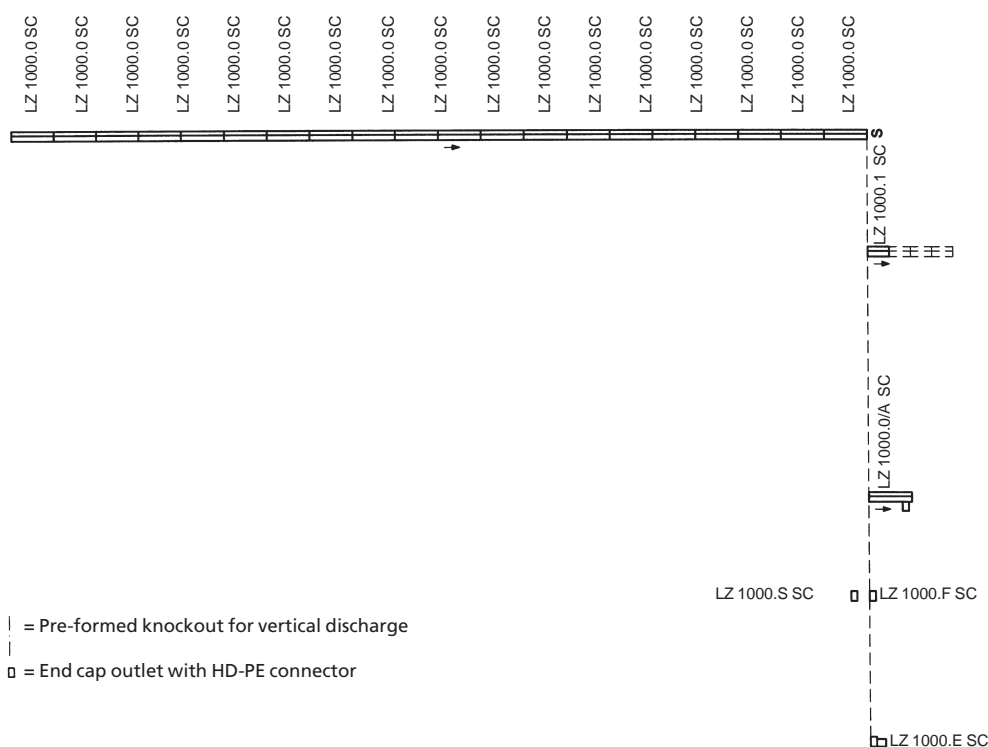
** Cross sectional area from the grating surface to the invert of the channel

End caps

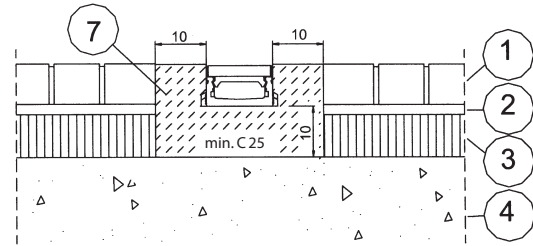
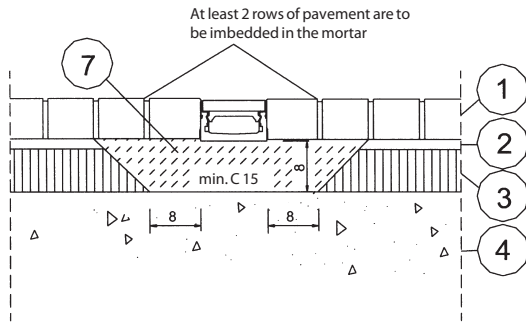
Product description		Weight [kg]	EDP Number 010...
LZ 1000.S SC	End cap for channel start	0,5	155577
LZ 1000.F SC	End cap for channel end	0,5	155579
LZ 1000.E SC ¹⁾	End cap for channel end with outlet connector HD-PE Ø 50	0,5	155581

¹⁾ Only for LZ1000/80

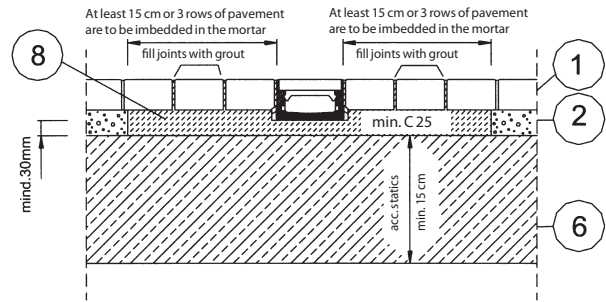
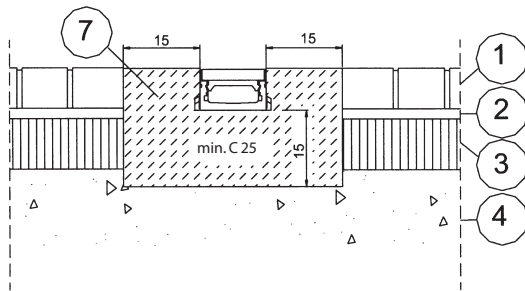
Installation example



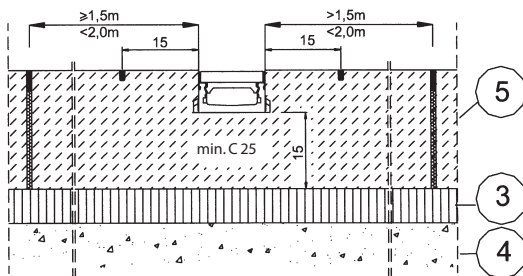
Solution Loading class A 10 Solution Loading class B 80



Solution Loading class C 150



Solution Loading class C 150



- | | |
|-----------------|------------------------------|
| 1. Block paving | 6. Reinforced concrete layer |
| 2. Sand layer | 7. Concrete haunch |
| 3. Sub-base | 8. Mortar |
| 4. Grown soil | |
| 5. Concrete | |

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