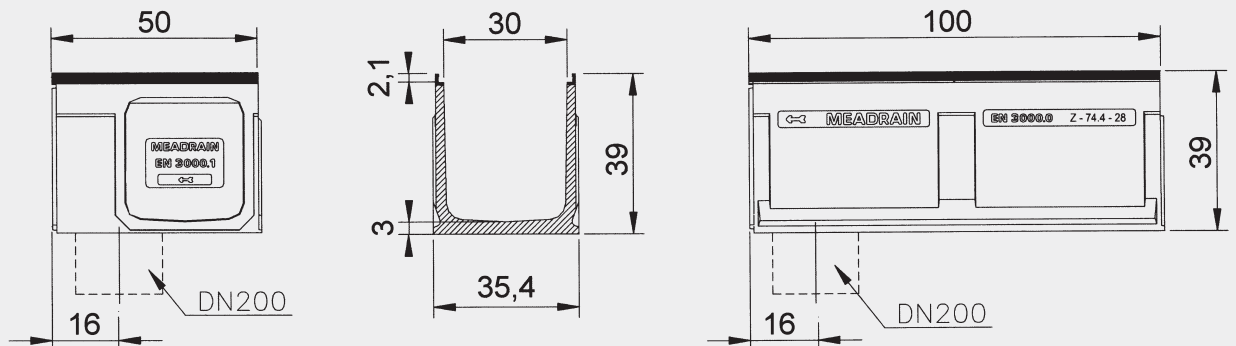


MEADRAIN® Supreme System EN 3000

Technical Data



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

- ◆ Cast iron: GG KTL-coated

Grating

- ◆ Ductile iron: GGG

Description and sizes

- ◆ Drainage channel made of polymer concrete with sealable channel groove
- ◆ Integrated cast iron edge protection
- ◆ Connection facility for vertical discharge $\text{Ø } 200$ in 50 cm and 100 cm length
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN Top PROFIX grating covers or standard grating covers
- ◆ Fall type: without fall
- ◆ Loading classes: A 15 - F 900 to DIN 19 58 0 and prEN 1433
(D 400 unsuitable for cross drainage of high speed roads and motorways)
- ◆ Total height: 39 cm and 49 cm (see table)
- ◆ Total width: 354 mm
- ◆ Length: 500 mm and 1000 mm

Product overview Channel

Channel without fall

Channel element suitable for vertical discharge Ø 200 or to a siltbox

| Product description | Length [cm] | Total height h1 [cm] | Total height h2 [cm] | Weight [kg] | Inlet sectional-area** [cm ²] | EDP Number 010... |
|------------------------------|-------------|----------------------|----------------------|-------------|-------------------------------------------|-------------------|
| EN 3000.0 | 100 | 39,0 | 39,0 | 66,6 | 980,0 | 153571 |
| EN 3000.1 ¹⁾ | 50 | 39,0 | 39,0 | 27,8 | 980,0 | 153573 |
| EN 3000.1RWA ¹⁽²⁾ | 50 | 39,0 | 39,0 | 27,8 | 980,0 | 153575 |
| EN 3020.0 | 100 | 49,0 | 49,0 | 69,0 | 1280,0 | 153591 |
| EN 3020.1 ¹⁾ | 50 | 49,0 | 49,0 | 37,0 | 1280,0 | 153593 |

¹⁾ Channel element suitable for corner and cross junction connection

²⁾ Channel element with HD-PE outlet connector Ø 200 with sealing ring and suitable for corner and cross junction connection

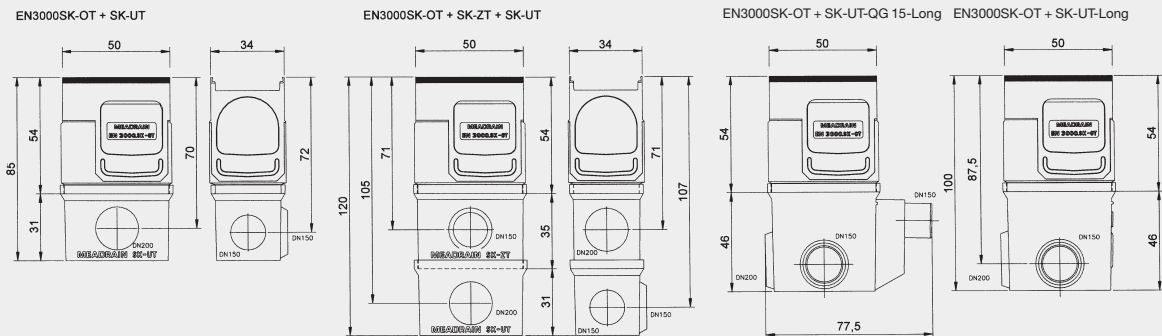
** Cross sectional area from the grating surface to the invert of the channel

Product overview Gully elements

| Product description | | Length [cm] | Total height h [cm] | Weight [kg] | EDP Number 010... |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|-------------|-------------------|
| EN 3000 SK-OT | Upper Gully opened both sides for channel EN 3000. Pre-formed knockouts for breaking out used for larger overall channel heights | 50,0 | 54,0 | 36,0 | 153577 |
| SK-ZT | Middle gully section to increase total height | 52,4 | 35,0 | 22,0 | 154709 |
| SK-UT-Short | Lower gully short section with preformed knockouts for connectors Ø 150 ¹⁾ /200 | 52,4 | 31,0 | 24,0 | 154711 |
| SK-UT-Long | Lower gully long section with preformed knockouts for connectors Ø 150 ¹⁾ /200 | 52,4 | 46,0 | 33,6 | 154719 |
| SK-UT-QG 15-Long | Lower gully long section with roddable foul air trap and connector Ø 150 | 76,1 | 46,0 | 38,9 | 154721 |

¹⁾ Possibility to use sealing ring

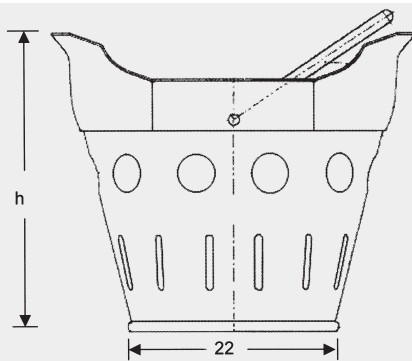
Gully made of polymer concrete EN 3000



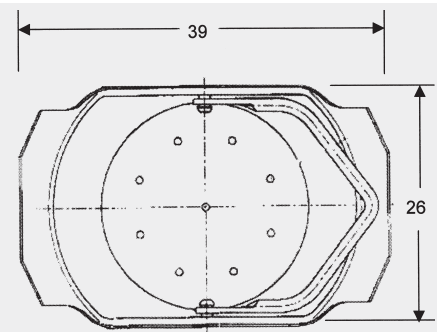
Description and sizes

- ◆ Multipart execution with various possibilities of combination of upper, intermediate and lower parts
- ◆ Integrated cast iron edge protection
- ◆ Galvanised steel sediment bucket available
- ◆ Suitable for installation of MEADRAIN Top PROFIX grating covers or standard grating covers
- ◆ Connection facility for outlet connector Ø 150 and Ø 200

Sediment bucket for EN 3000-SK/SL



EN 3000-SK



equivalent to drawing

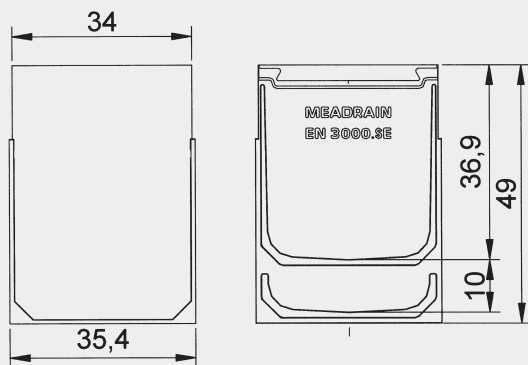
EN 3000-SL

Description and sizes

- ◆ Material: galvanised steel

| | EN 3000-SK | EN 3000-SL |
|-----------------|------------|------------|
| ◆ EDP-Number: | 010154713 | 010154715 |
| ◆ Total height: | 320 mm | 580 mm |
| ◆ Total width: | 260 mm | 260 mm |
| ◆ Length: | 390 mm | 390 mm |
| ◆ Weight: | 3,5 kg | 6,0 kg |

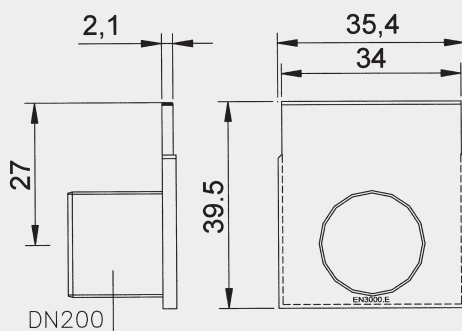
End caps for channel start and channel end EN 3000.SE



Description and sizes

- ◆ Edge protection: cast iron
- ◆ Suitable for all heights
- ◆ EDP-Number: 010153579
- ◆ Total height: 490 mm
- ◆ Total width: 354 mm
- ◆ Weight: 5,4 kg

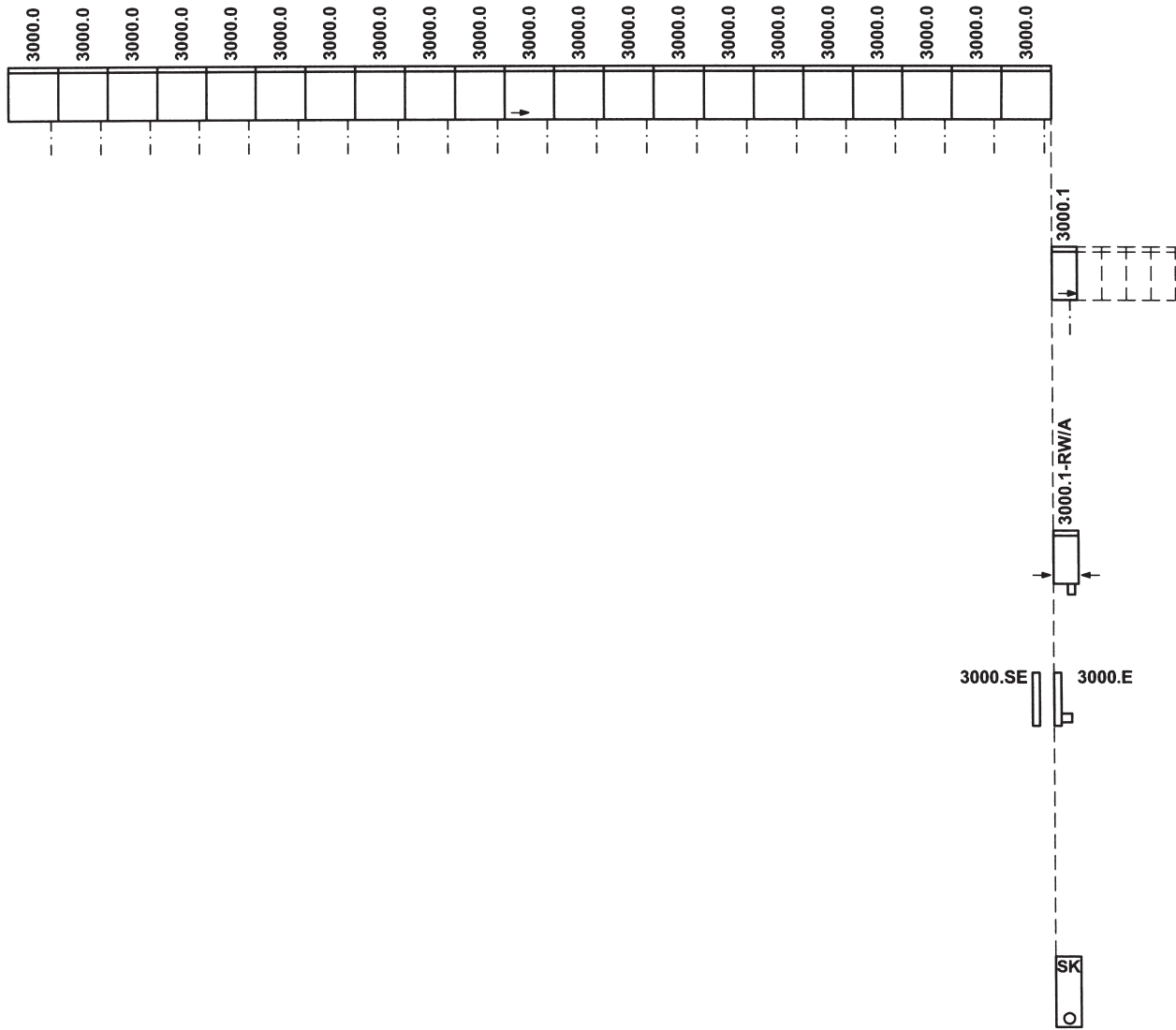
End caps for channel end EN 3000.E



Description and sizes

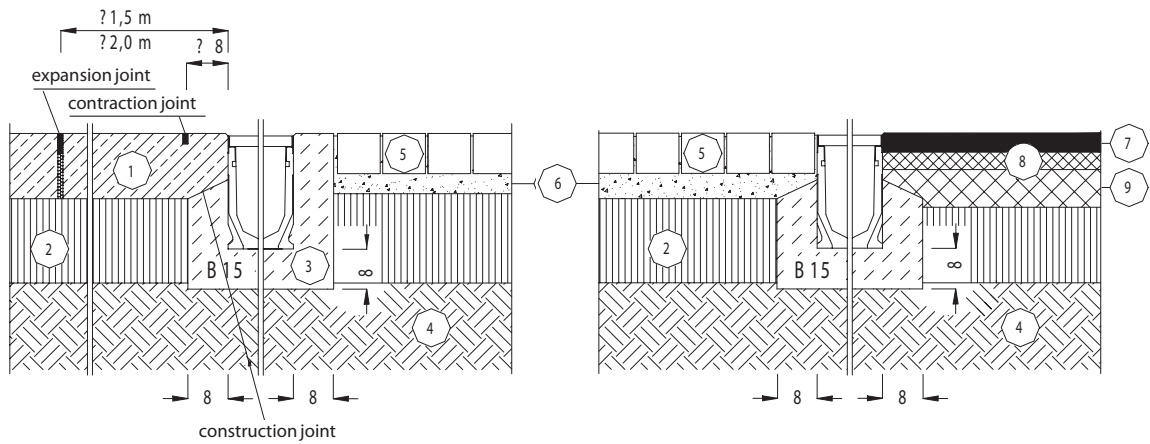
- ◆ Edge protection: cast iron
- ◆ Integrated sealing ring
- ◆ Integrated HD-PE outlet connector \varnothing 200
- ◆ Suitable for channel type 3000
- ◆ EDP-Number: 010153581
- ◆ Total height: 395 mm
- ◆ Total width: 354 mm
- ◆ Weight: 5,3 kg

Installation examples

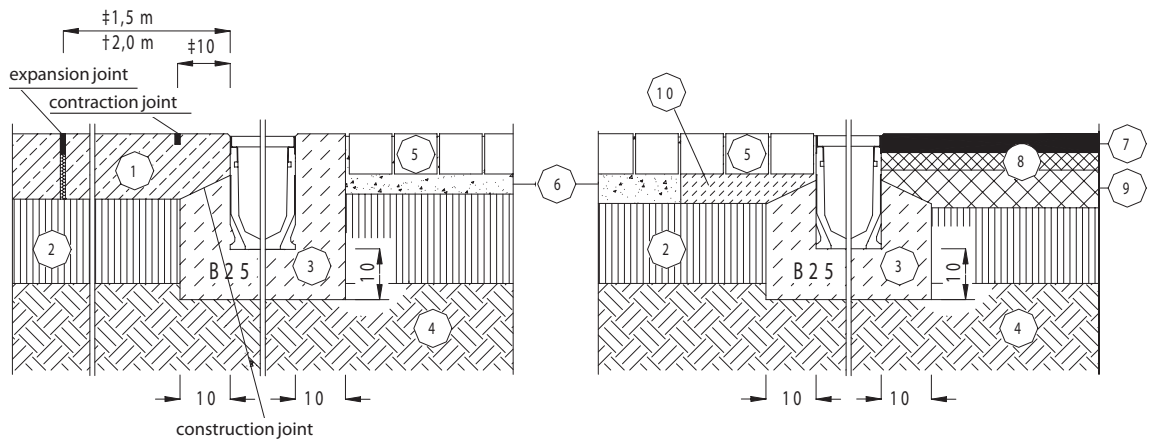


- ⋮ = Pre-formed knockout for vertical discharge
- = End cap outlet with HD-PE connector

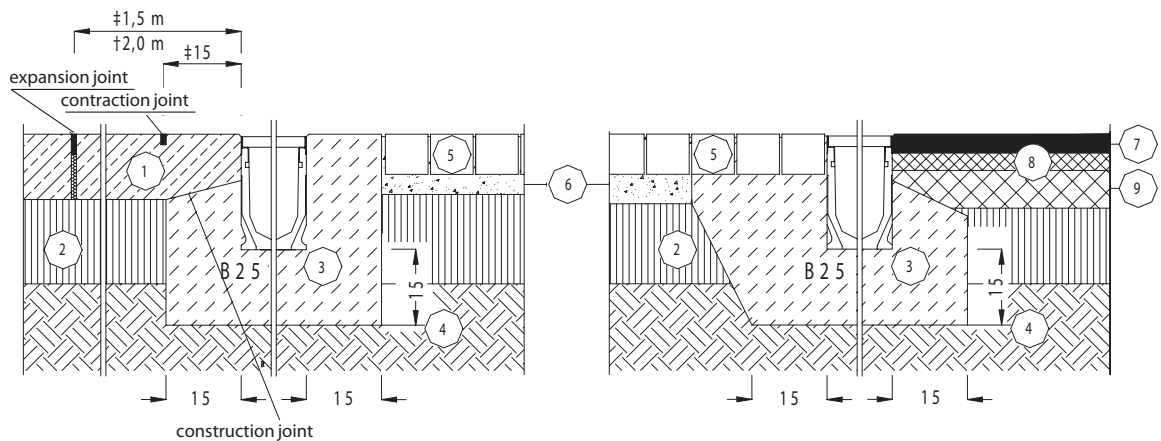
Supreme Loading class A 10



Supreme Loading class B 80



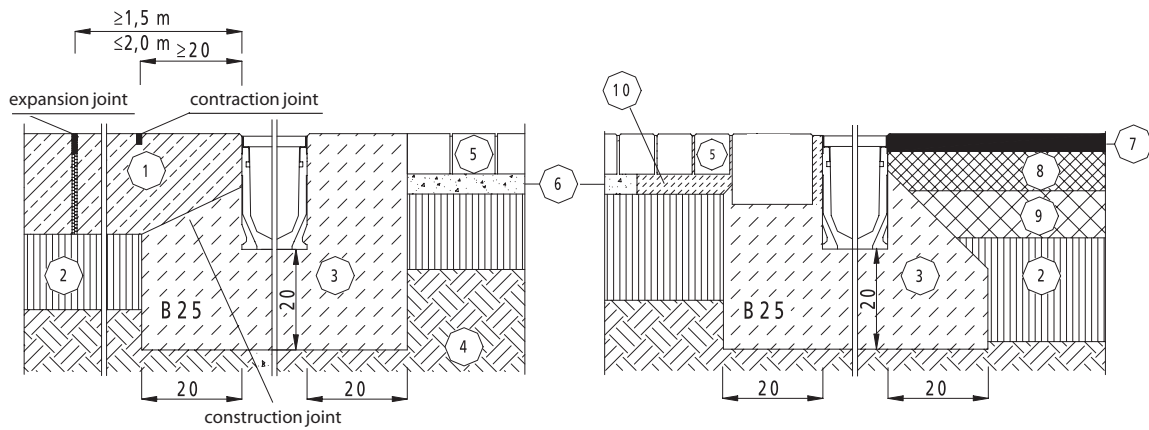
Supreme Loading class C 150



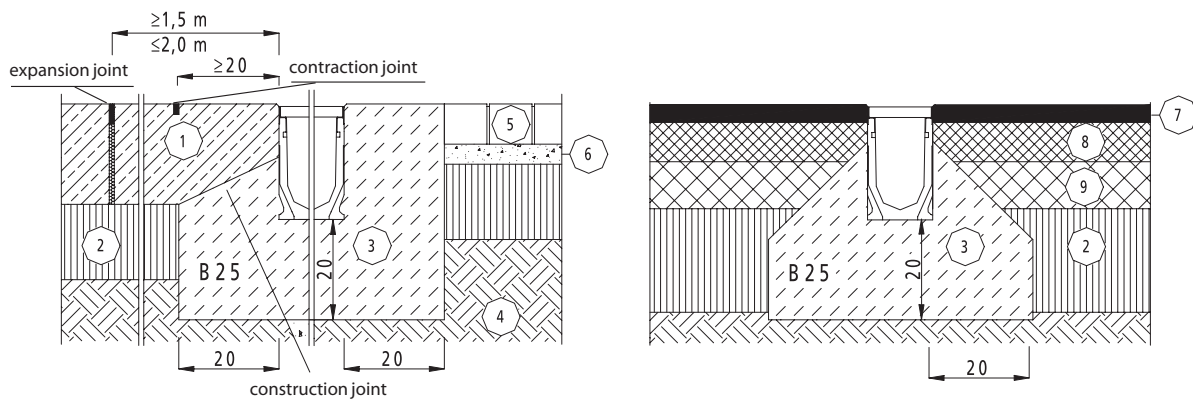
- | | |
|--------------------|---------------------------|
| 1. Concrete | 6. Sand layer |
| 2. Sub-base | 7. Asphalt |
| 3. Concrete haunch | 8. Base course |
| 4. Grown soil | 9. Bituminous base course |
| 5. Block paving | 10. Mortar |

The adjacent lining is to be executed in such a way that no horizontal forces affect the channel items.

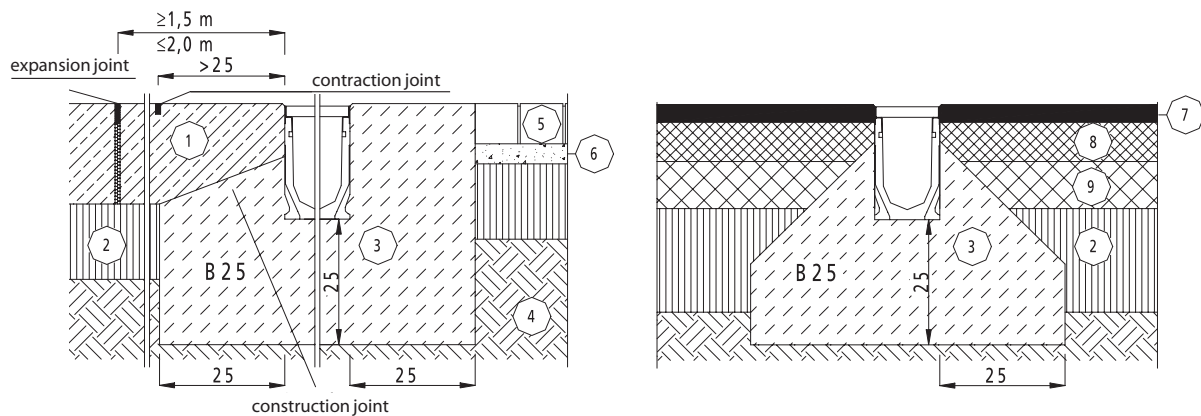
Supreme Loading class D 210



Supreme Loading class E 400



Supreme Loading class G 900



- | | |
|--------------------|---------------------------|
| 1. Concrete | 6. Sand layer |
| 2. Sub-base | 7. Asphalt |
| 3. Concrete haunch | 8. Base course |
| 4. Grown soil | 9. Bituminous base course |
| 5. Block paving | 10. Mortar |

The adjacent lining is to be executed in such a way that no horizontal forces affect the channel items.
(D 210 unsuitable for cross drainage of high speed roads and motorways)

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