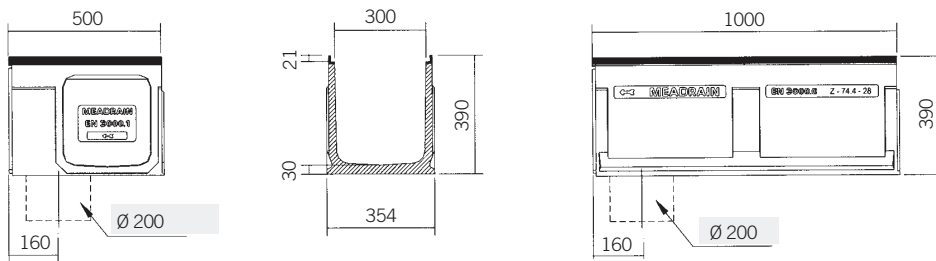


ALTHON Supreme Athlon HD 3000

Technical Data



Material properties

Channel body

- ◆ Polymer concrete based on polyester resin
- ◆ Compression resistance: > 90 N/mm²
- ◆ Flexural strength: > 22 N/mm²
- ◆ Water absorption: less than 0,05%
- ◆ Density: 2,25 kg/dm³
- ◆ Modulus of elasticity: 25 - 35 kN/mm²
- ◆ Water penetration level: 0 mm
- ◆ Material structure: capillary free

Edge protection

- ◆ Cast iron: KTL-coated (cathaphoretic painting)

Grating

- ◆ Ductile iron

Description and sizes

- ◆ Drainage channel made of polymer concrete with sealable channel groove
- ◆ Approval of DIBt (German institute of technical approvals)
- ◆ Integrated cast iron edge protection
- ◆ Connection facility for vertical discharge Ø 200 in 500 mm and 1000 mm channels
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN Top 3000 grating covers with PROFIX boltless locking systems or standard locking mechanisms
- ◆ Fall type: without fall
- ◆ Loading classes: A 15 - F 900 to EN 1433 (D 400 unsuitable for cross drainage of high speed roads and motorways)
- ◆ Total height: 390 mm and 490 mm (see table)
- ◆ Total width: 354 mm
- ◆ Length: 500 mm and 1000 mm

Product overview Channel

Channel without fall

Channel element suitable for vertical discharge \varnothing 200 or to a siltbox

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional-area** [cm ²]	EDP Number 010...
EN 3000.0	1000	390	390	66,6	980,0	153571
EN 3000.1 ¹⁾	500	390	390	27,8	980,0	153573
EN 3000.1RWA ¹⁾²⁾	500	390	390	27,8	980,0	153575
EN 3020.0	1000	490	490	69,0	1280,0	153591
EN 3020.1 ¹⁾	500	490	490	37,0	1280,0	153593

¹⁾ Channel element suitable for corner and cross junction connection

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

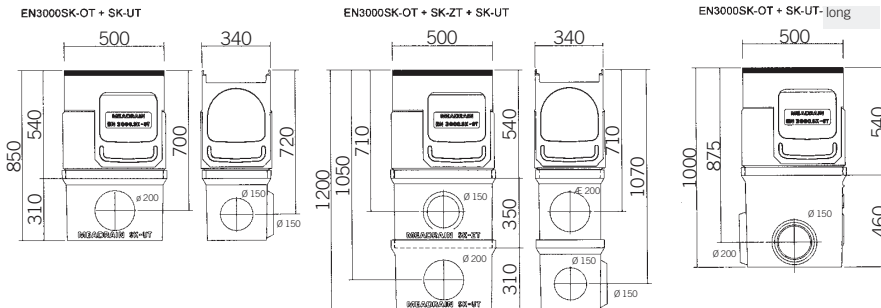
** Cross sectional area from the grating surface to the invert of the channel

Product overview Gully elements

Product description		Length [mm]	Total height h [mm]	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	500	540	36,0	153577
SK-ZT	Middle gully section to increase total height	524	350	22,0	154709
SK-UT-Short	Lower gully short section with preformed knockouts for connectors \varnothing 160 ¹⁾ /200	524	310	24,0	154711
SK-UT-Long	Lower gully long section with preformed knockouts for connectors \varnothing 160 ¹⁾ /200	524	460	33,6	154719

¹⁾ Possibility to use lip sealing ring

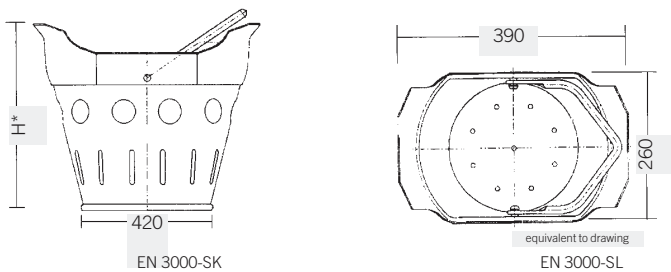
Gully made of polymer concrete EN 3000



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 3000 with PROFIX boltless locking system or standard locking mechanisms
- ◆ Connection facility for outlet connector Ø 160 and Ø 200

Sediment bucket for EN 3000-SK/SL

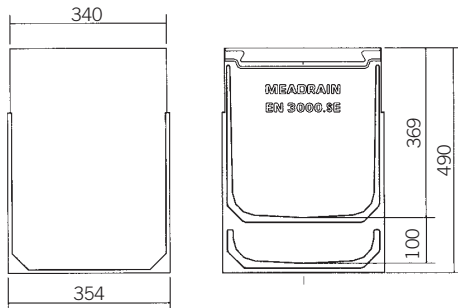


H* = Height

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 |

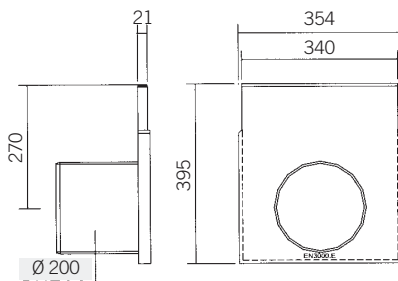
End caps for channel start and channel end EN 3000.SE



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

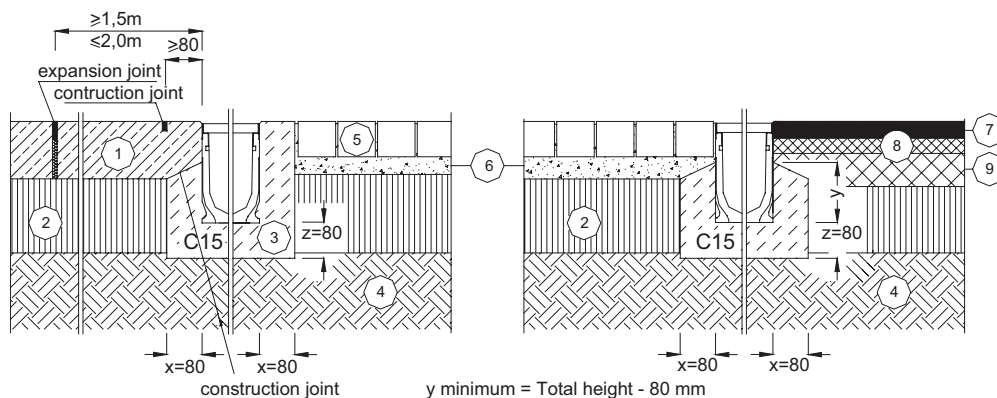
End caps for channel end EN 3000.E



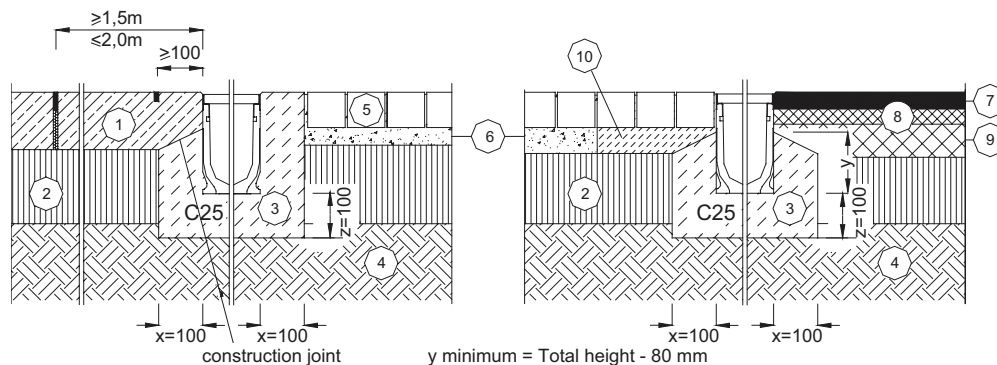
Description and sizes

- ◆ 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

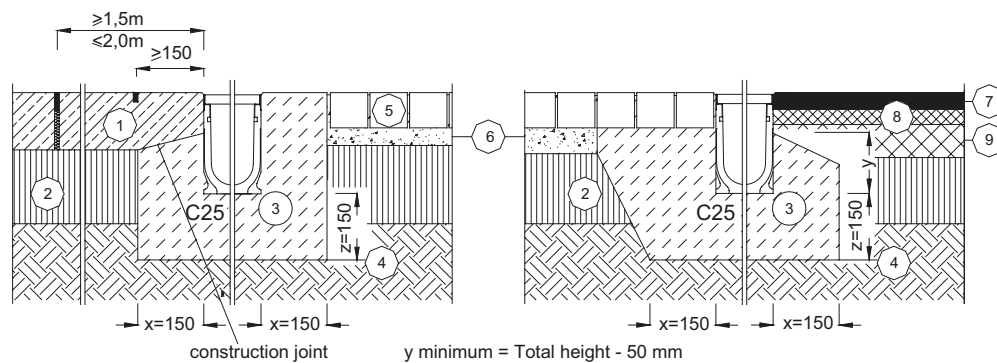
Supreme Loading class A 15



Supreme Loading class B 125



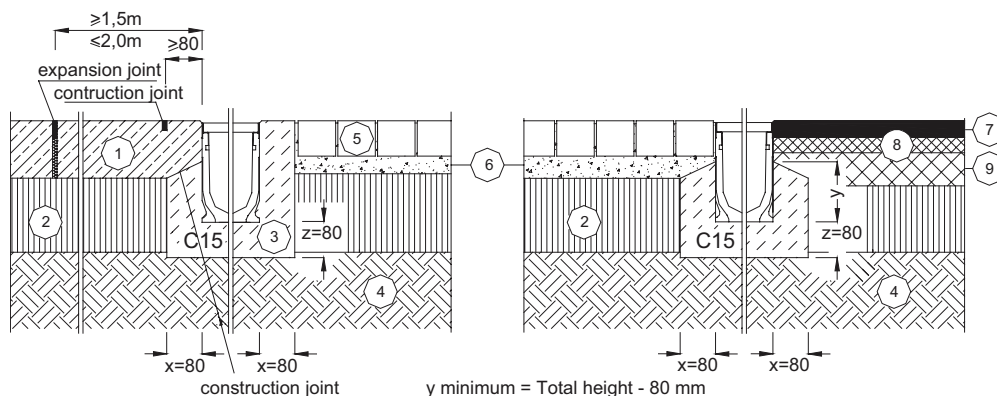
Supreme Loading class C 250



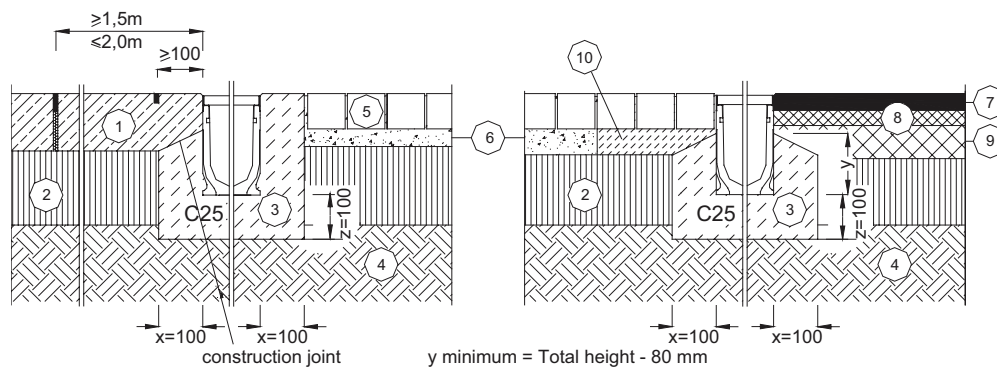
- | | | |
|-------------------|----------------|--------------------------|
| ① Concrete | ⑤ Block paving | ⑨ Bituminous base course |
| ② Sub-base | ⑥ Sand layer | ⑩ Mortar |
| ③ Concrete haunch | ⑦ Asphalt | |
| ④ Earth | ⑧ Base course | |

The adjacent surfaces to the channels are to be constructed in such a way that no horizontal forces affect the channel items. Please allow for an overbuild of 3-5mm above the grating surface.

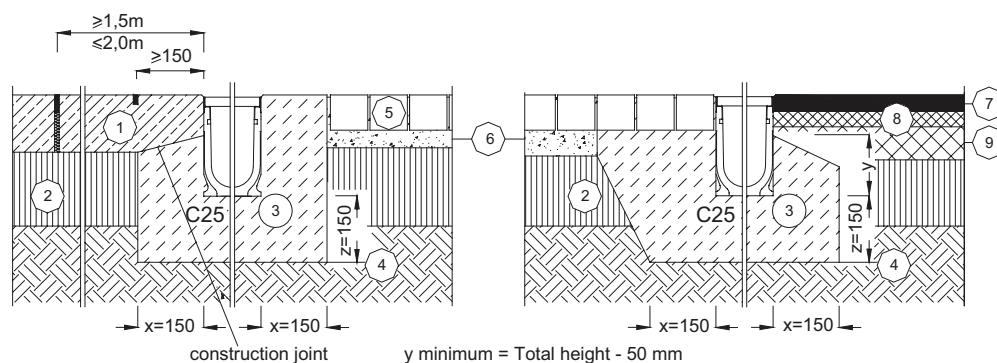
Supreme Loading class A 15



Supreme Loading class B 125



Supreme Loading class C 250



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

The adjacent surfaces to the channels are to be constructed in such a way that no horizontal forces affect the channel items. Please allow for an overbuild of 3-5mm above the grating surface.