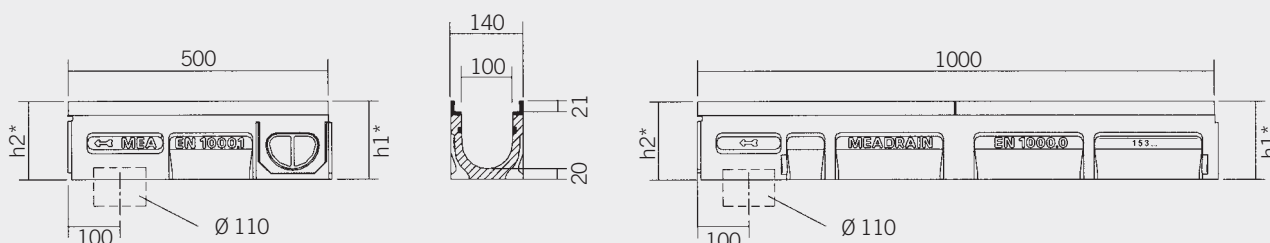


MEADRAIN® Supreme System EN 1000

Technical Data



Material properties

Channel body

- ◆ Polymer concrete based on polyester resin
- ◆ Compression resistance: $> 90 \text{ N/mm}^2$
- ◆ Flexural strength: $> 22 \text{ N/mm}^2$
- ◆ 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 KTL-coated (cataphoretic painting)

Grating

- ◆ Galvanised steel: DX 51 D 275 NA to EN 10142
- ◆ Ductile iron
- ◆ Stainless steel: AISI 304 materialno: 1.4301

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 110 in 500 mm and 1000 mm channel
- ◆ The /A-marked channel elements include a HD-PE outlet connector Ø 110
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN Top 1000 grating covers with PROFIX or CLIPPFIX boltless locking systems or standard locking mechanisms
- ◆ Fall type: linear fall till 20 m and 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: 150 mm - 250 mm (see table)
- ◆ Total width: 140 mm
- ◆ Length: 500 mm and 1000 mm

(*) among the channel elements with fall, only the with ¹⁾ marked products

h1* = Total height 1

h2* = Total height 2

Channel units overview

Channels without fall

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional area** [cm²]	EDP Number 010...
EN 1000.0 ¹⁾	1000	150	150	17,1	98,27	157201
EN 1000.0/A ²⁾	1000	150	150	17,1	98,27	157203
EN 1000.1 ¹⁾³⁾	500	150	150	8,4	98,27	157205
EN 1005.0 ¹⁾	1000	175	175	19,1	123,27	157219
EN 1005.0/A ²⁾	1000	175	175	19,1	123,27	157221
EN 1005.1 ¹⁾³⁾	500	175	175	9,4	123,27	157223
EN 1010.0 ¹⁾	1000	200	200	20,1	148,27	157237
EN 1010.0/A ²⁾	1000	200	200	21,1	148,27	157239
EN 1010.1 ¹⁾³⁾	500	200	200	10,4	148,27	157241
EN 1015.0 ¹⁾	1000	225	225	22,1	173,27	157255
EN 1015.0/A ²⁾	1000	225	225	23,1	173,27	157257
EN 1015.1 ¹⁾³⁾	500	225	225	11,4	173,27	157259
EN 1020.0 ¹⁾	1000	250	250	24,1	198,27	157273
EN 1020.0/A ²⁾	1000	250	250	25,1	198,27	157275
EN 1020.1 ¹⁾³⁾	500	250	250	12,4	198,27	157277
EN 1030.0	1000	305	305	27,4	248,27	157279

Channels with linear fall

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional area** [cm²]	EDP Number 010...
EN 1001	1000	150	155	17,1	103,27	157207
EN 1002	1000	155	160	17,1	108,27	157209
EN 1003	1000	160	165	17,6	113,27	157211
EN 1004	1000	165	170	17,6	118,27	157213
EN 1005 ¹⁾	1000	170	175	18,1	123,27	157215
EN 1005/A ²⁾	1000	170	175	18,1	123,27	157217
EN 1006	1000	175	180	19,1	128,27	157225
EN 1007	1000	180	185	19,1	133,27	157227
EN 1008	1000	185	190	19,6	138,27	157229
EN 1009	1000	190	195	19,6	143,27	157231
EN 1010 ¹⁾	1000	195	200	20,1	148,27	157233
EN 1010/A ²⁾	1000	195	200	20,1	148,27	157235
EN 1011	1000	200	205	21,1	153,27	157243
EN 1012	1000	205	210	21,1	158,27	157245
EN 1013	1000	210	215	21,6	163,27	157247
EN 1014	1000	215	220	21,6	168,27	157249
EN 1015 ¹⁾	1000	220	225	22,1	173,27	157251
EN 1015/A ²⁾	1000	220	225	23,1	173,27	157253
EN 1016	1000	225	230	23,1	178,27	157261
EN 1017	1000	230	235	23,1	183,27	157263
EN 1018	1000	235	240	23,6	188,27	157265
EN 1019	1000	240	245	23,6	193,27	157267
EN 1020 ¹⁾	1000	245	250	24,1	198,27	157269
EN 1020/A ²⁾	1000	245	250	25,1	198,27	157271

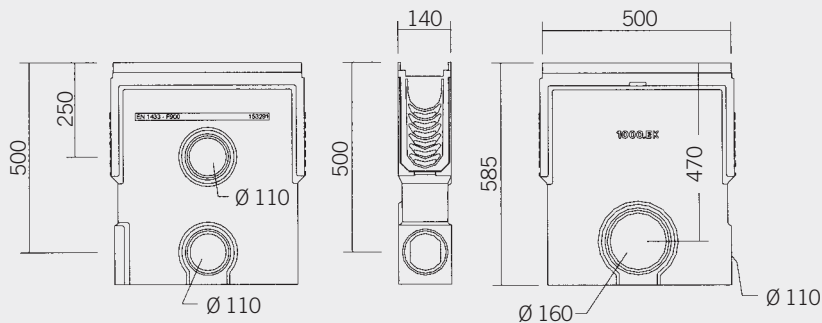
¹⁾ Channel element suitable for connection to a vertical Ø 110 outlet connector, a silt box or an end cap with an outlet connector

²⁾ Channel element with HD-PE outlet connector Ø 110 with sealing ring

³⁾ Channel element suitable for corner and cross junction connection

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

Silt box EN 1000.EK

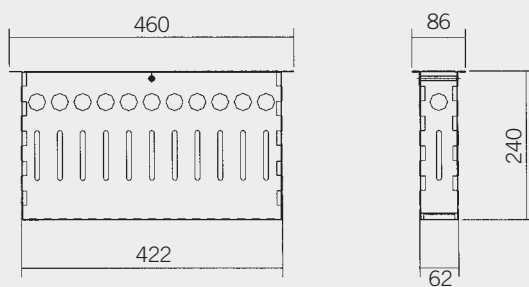


Description and sizes

- ◆ Integrated cast iron edge protection
- ◆ Galvanised steel sediment bucket
- ◆ Suitable for installation of MEADRAIN Top 1000 grating covers with PROFIX or CLIPFIX boltless locking systems or standard locking mechanisms
- ◆ Pre-formed knockouts for breaking out, making the perfect connection of the channel types 1000, 1005, 1010, 1015, 1020 and 1030
- ◆ Connection facility for outlet connector Ø 110 and Ø 160

◆ EDP-Number:	010157291	◆ Length:	500 mm
◆ Total height:	585 mm	◆ Weight:	30,5 kg
◆ Total width:	140 mm		

Sediment bucket for EN 1000.EK-S

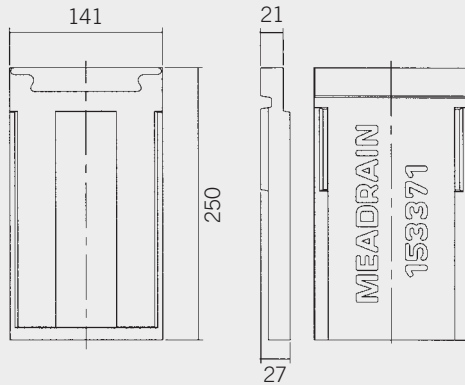


Description and sizes

- ◆ Optimised slot design for achieving best discharge rates
- ◆ Material: galvanised steel DX 51 D 275 NA to EN 10142
- ◆ Silt box EN 1000.EK already includes sediment bucket

◆ EDP-Number:	010156264	◆ Length:	460 mm
◆ Total height:	240 mm	◆ Weight:	1,9 kg
◆ Total width:	86 mm		

End caps for channel start and channel end EN 1000.SE/EN 1030.SE



Description and sizes

- ◆ Edge protection: cast iron
- ◆ Suitable for channel types 1000.0 – 1020.0

1030.0

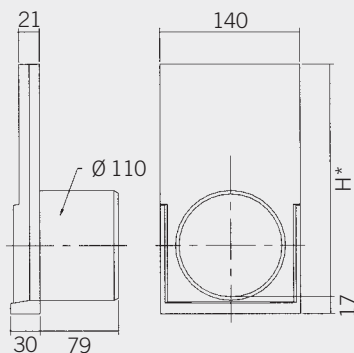
EN 1000.SE

EN 1030.SE

- ◆ EDP-Number: 010153371
- ◆ Total height: 250 mm
- ◆ Total width: 141 mm
- ◆ Total weight: 1,3 kg

- 010153389
- 305 mm
- 141 mm
- 1,8 kg

End caps for channel end EN 1000.E



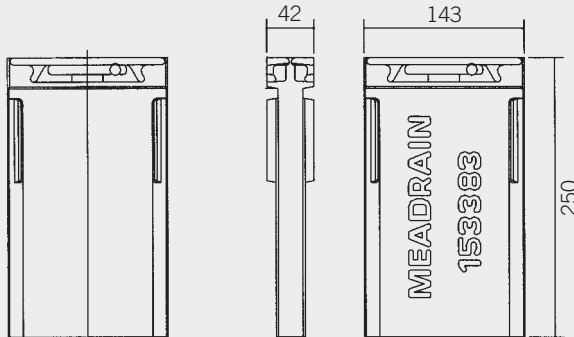
H* = internal channel height

Description and sizes

- ◆ Edge protection: cast iron
- ◆ HD-PE outlet connector Ø 110
- ◆ Suitable for channel types 1000, 1005, 1010, 1015 and 1020

	EN 1000.E	EN 1005.E	EN 1010.E	EN 1015.E	EN 1020.E
◆ EDP-Number:	010153373	010153375	010153377	010153379	010153381
◆ Height (H):	133 mm	158 mm	183 mm	208 mm	233 mm
◆ Total width:	140 mm	140 mm	140 mm	140 mm	140 mm
◆ Weight:	1,1 kg	1,3 kg	1,6 kg	1,8 kg	2,0 kg

End caps for change at channel run high point EN 1000.RWH



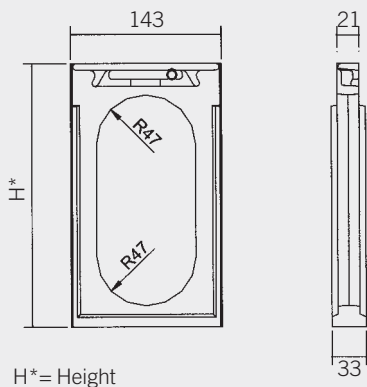
Description and sizes

- ◆ Edge protection: cast iron
- ◆ Suitable for all channels EN 1000

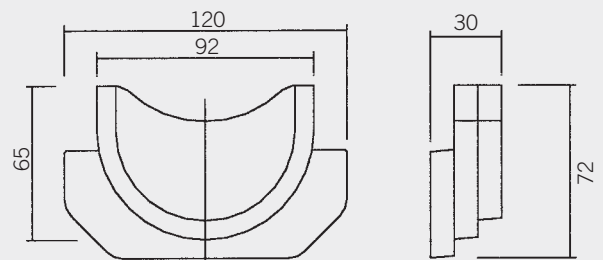
- ◆ EDP-Number: 010153383
- ◆ Total height: 250 mm
- ◆ Total width: 143 mm

- ◆ Weight: 1,3 kg

End caps for change at channel run low point EN 1000.RWT



Connecting element for EN 1020.0 to EN 1030.0: EN 1000.EU



Description and sizes

- ◆ Edge protection: cast iron
- ◆ Suitable for channels:
EN 1015.RWT for EN 1015

EN 1020.RWT for EN 1020

EN 1020.0 to EN 1030.0

EN 1015.RWT

- ◆ EDP-Number: 010153385
- ◆ Total height: 225 mm
- ◆ Total width: 143 mm
- ◆ Weight: 1,1 kg

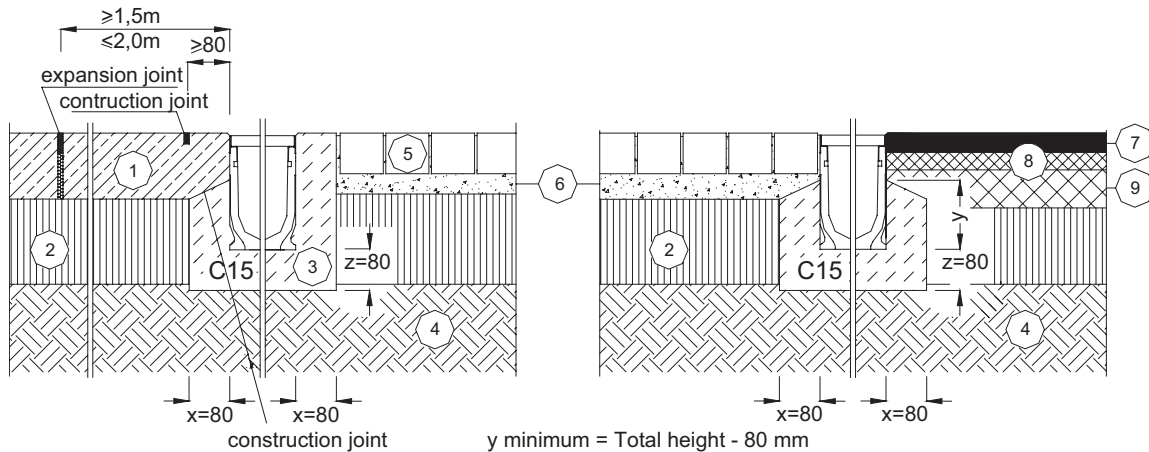
EN 1020.RWT

- 010153387
- 250 mm
- 143 mm
- 1,1 kg

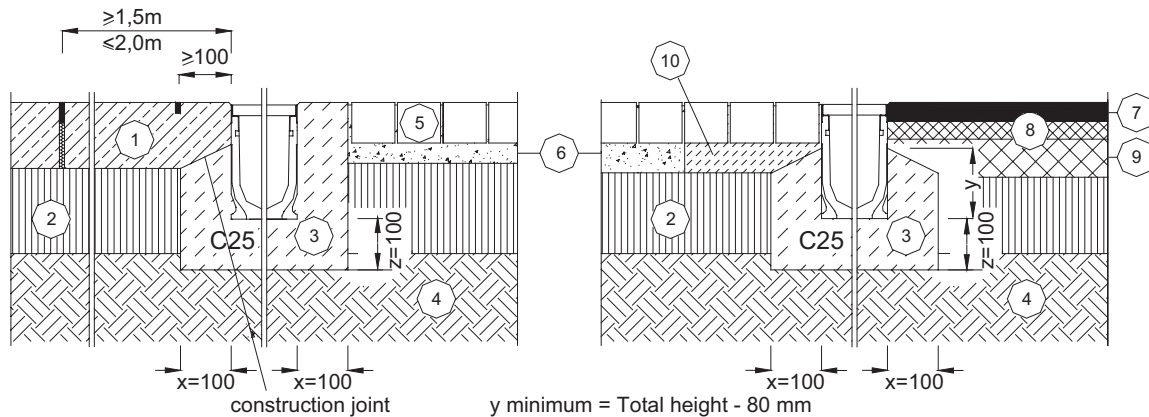
EN 1000.EU

- 010153391
- 73 mm
- 120 mm
- 0,5 kg

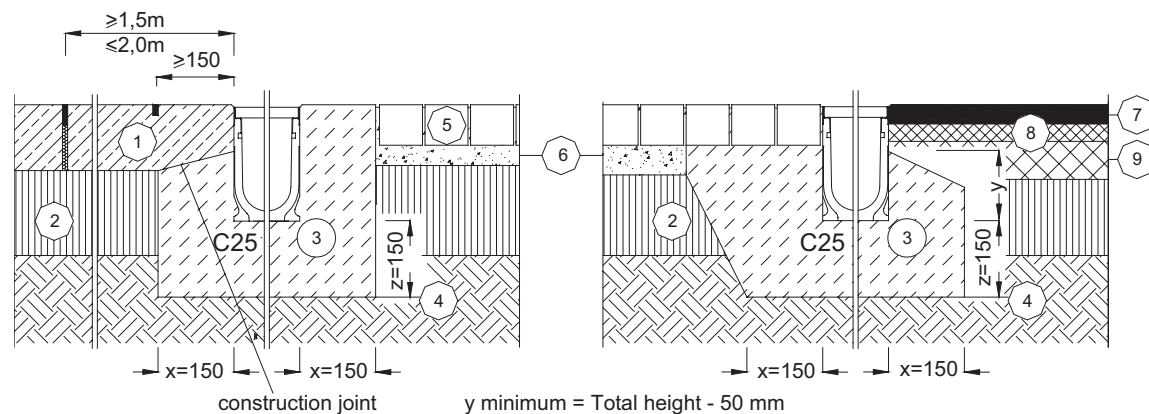
Supreme Loading class A 15



Supreme Loading class B 125



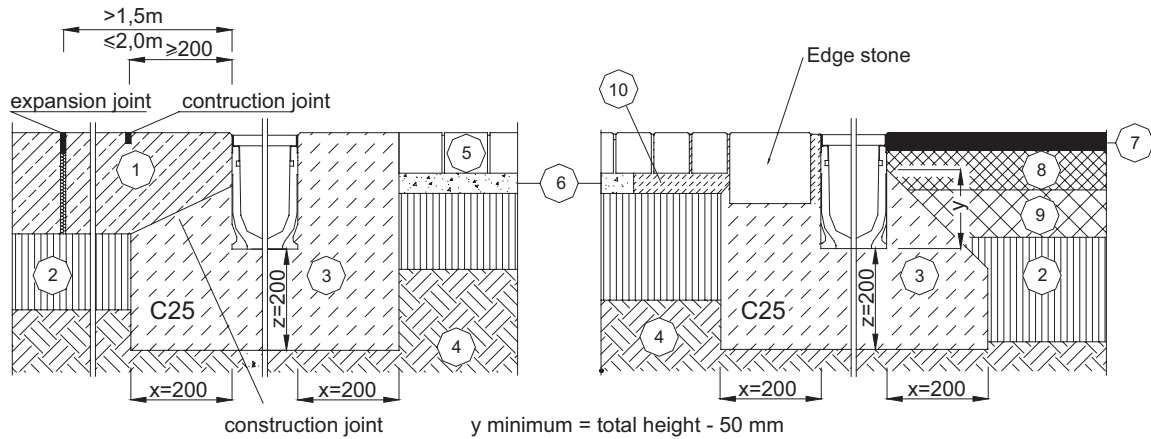
Supreme Loading class C 250



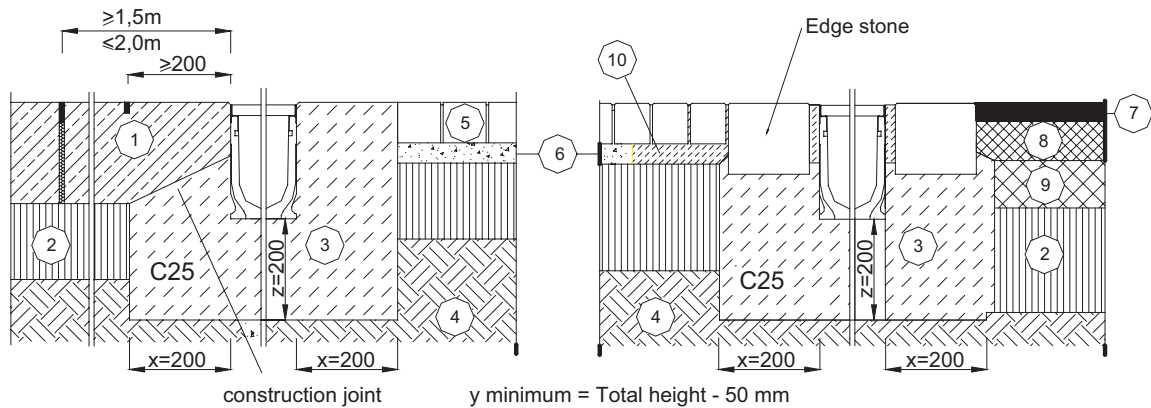
- | | | |
|-------------------|----------------|--------------------------|
| ① Concrete | ⑤ Block paving | ⑨ Bituminous base course |
| ② Sub-base | ⑥ Sand layer | ⑩ Mortar |
| ③ Concrete haunch | ⑦ Asphalt | |
| ④ Earth | ⑧ Base course | |

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.

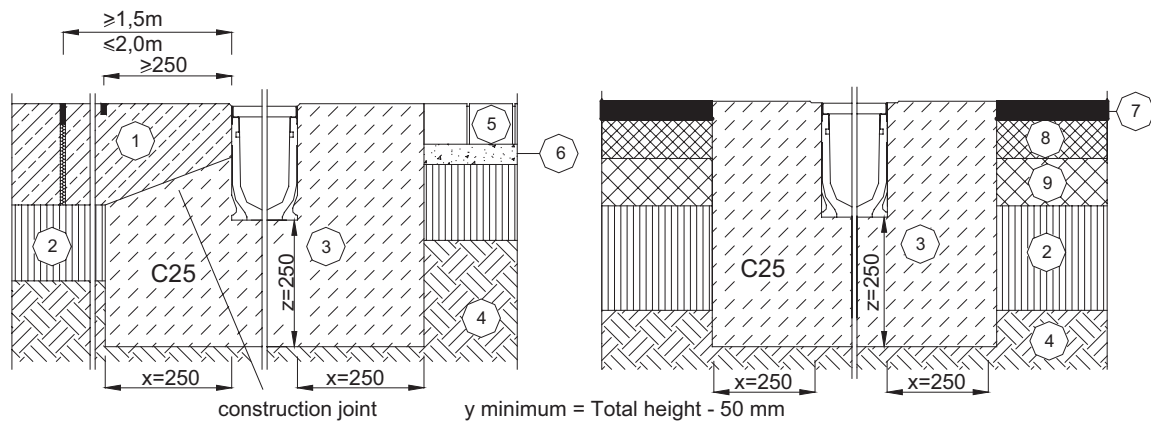
Supreme Loading class D 400*



Supreme Loading class E 600



Supreme Loading class F 900



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

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.

* D 400 unsuitable for cross drainage of high speed roads and motorways



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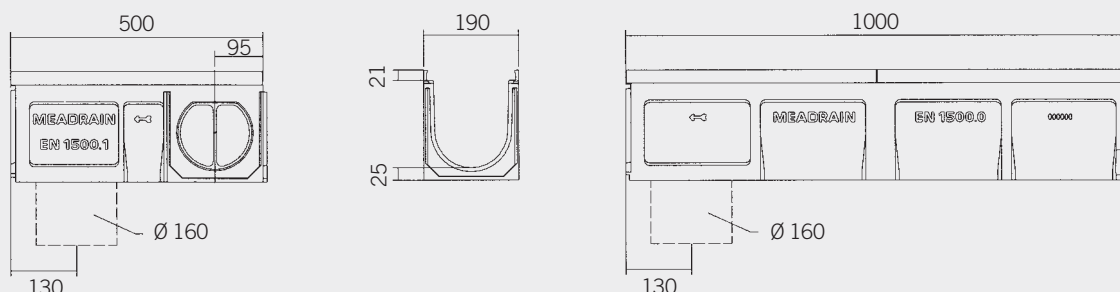
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MEADRAIN® Supreme System EN 1500

Technical Data



Material properties

Channel body

- ◆ Polymer concrete based on polyester resin
- ◆ Compression resistance: $> 90 \text{ N/mm}^2$
- ◆ Flexural strength: $> 22 \text{ N/mm}^2$
- ◆ 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: KTL-coated (cataphoretic 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 Ø160 in 500 mm and 1000 mm channel
- ◆ The /A-marked channel elements include a HD-PE outlet connector Ø 160
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN Top 1500 grating covers with PROFIX boltless locking systems or standard locking mechanisms
- ◆ Fall type: stepped fall and 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: 220 mm - 320 mm (see table)
- ◆ Total width: 190 mm
- ◆ Length: 500 mm and 1000 mm

Channel units overview

Channel without fall

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional area** [cm²]	EDP Number 010...
EN 1500.0 ¹⁾	1000	220	220	26,5	232,0	157123
EN 1500.1 ¹⁾²⁾	500	220	220	10,5	232,0	157125
EN 1510.0 ¹⁾	1000	270	270	31,6	307,0	157127
EN 1510.1 ¹⁾²⁾	500	270	270	15,5	307,0	157129
EN 1520.0 ¹⁾	1000	320	320	35,0	382,0	157131
EN 1520.1 ¹⁾²⁾	500	320	320	17,0	382,0	157133
EN 1520.1RW/A ²⁾³⁾	500	320	320	17,0	382,0	157135

Channel units with stepped fall

as connecting elements for stepped fall (with 5 % fall)

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional area** [cm²]	EDP Number 010...
EN 1500-10	1000	220	270	29,0	307,0	157137
EN 1510-20	1000	270	320	32,5	382,0	157139

¹⁾ Channel element suitable for connection to a vertical Ø 160 outlet connector a silt box or an end cap with outlet connector

²⁾ Channel element suitable for corner and cross junction connection

³⁾ Channel element with HD-PE outlet connector Ø 160 with sealing ring

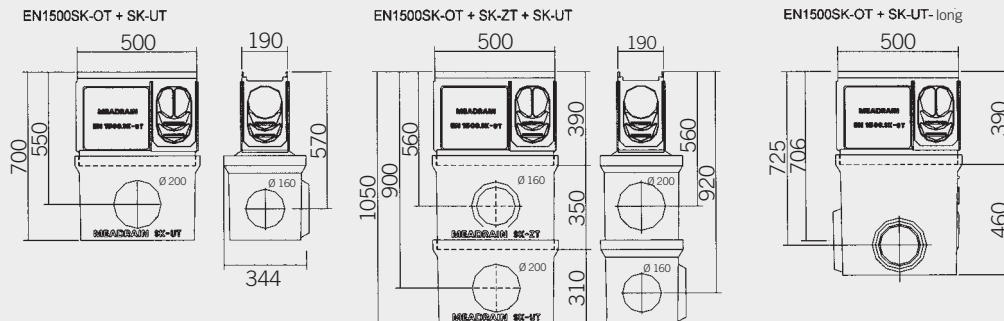
** Cross sectional area from the grating surface to the invert of the channel

Product overview Gully elements

Product description	Length [mm]	Total height h [mm]	Weight [kg]	EDP Number 010...
EN 1500 SK-OT	500	390	26,1	157141
SK-ZT	524	350	22,0	154709
SK-UT-Short	524	310	24,0	154711
SK-UT-Long	524	460	33,6	154719

1) Possibility to use lip sealing ring

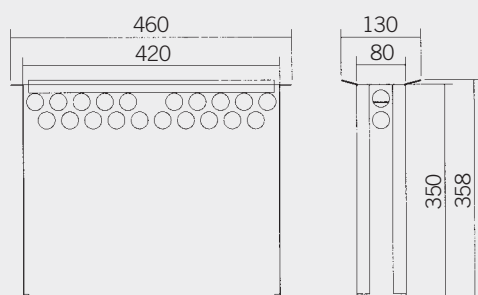
Gully made of polymer concrete EN 1500.SK



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 1500 with PROFIX boltless locking system or standard locking mechanisms
- ◆ Pre-formed knockouts for breaking out, making the perfect connection of the channel types 1510 and 1520
- ◆ Connection facility for outlet connector Ø 160 and Ø 200
- ◆ Open both sides for connection of channel type 1500.0

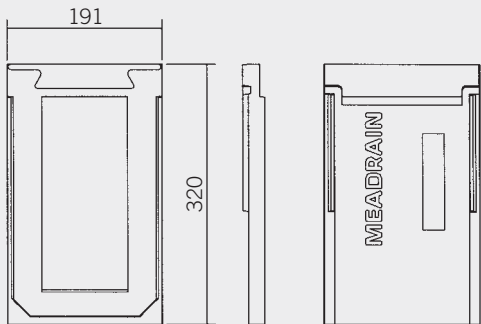
Sediment bucket for silt box EN 1500.SK-S



Description and sizes

- | | | | |
|-----------------|------------------|-----------------|--------|
| ◆ Material: | galvanised steel | | |
| ◆ EDP-Number: | 010151846 | | |
| ◆ Total height: | 358 mm | ◆ Total length: | 460 mm |
| ◆ Total width: | 130 mm | ◆ Weight: | 2,5 kg |

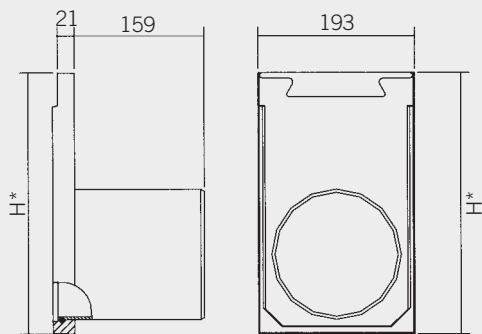
End caps for channel start and end EN 1500.SE



Description and sizes

- ◆ Edge protection: cast iron
- ◆ Suitable for all heights
- ◆ EDP-Number: 010153143
- ◆ Total height: 320 mm
- ◆ Total width: 191 mm
- ◆ Weight : 2,7 kg

End caps for channel end EN 1500.E



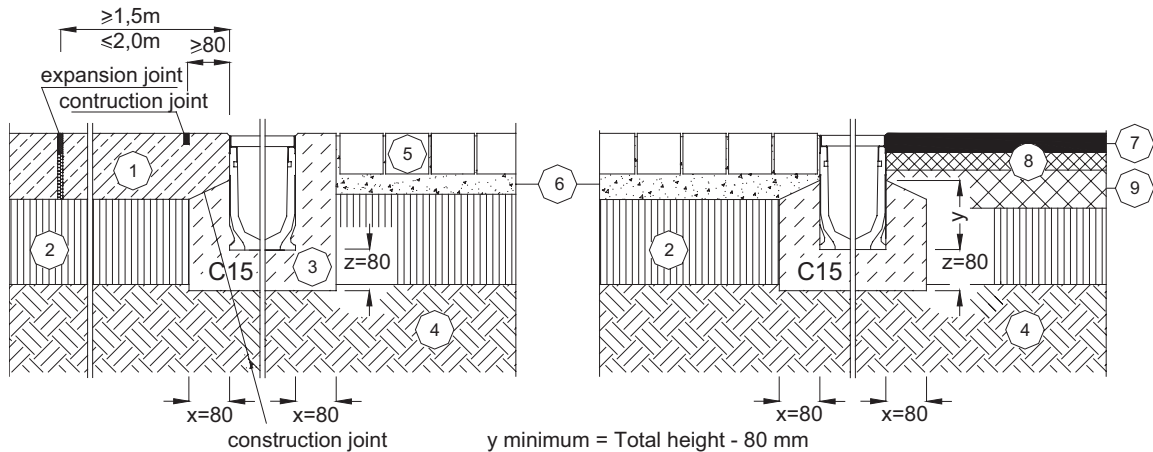
H* = Height

Description and sizes

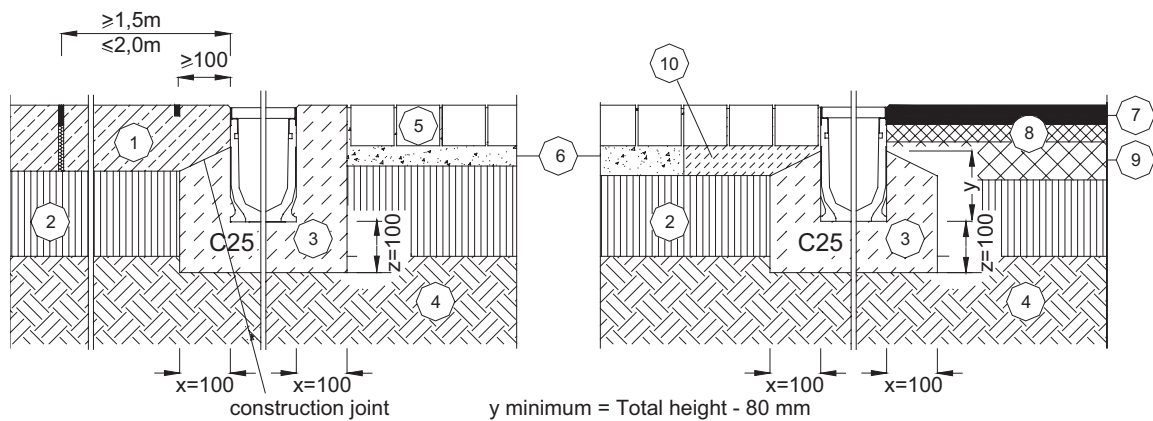
- ◆ Edge protection: cast iron
- ◆ Integrated sealing ring
- ◆ Integrated HD-PE outlet connector Ø 160
- ◆ Suitable for channel types 1500, 1510 and 1520

	EN 1500.E	EN 1510.E	EN 1520.E
◆ EDP-Number:	010153145	010153147	010153149
◆ Total height:	220 mm	270 mm	320 mm
◆ Total width:	193 mm	193 mm	193 mm
◆ Weight:	1,8 kg	2,5 kg	2,8 kg

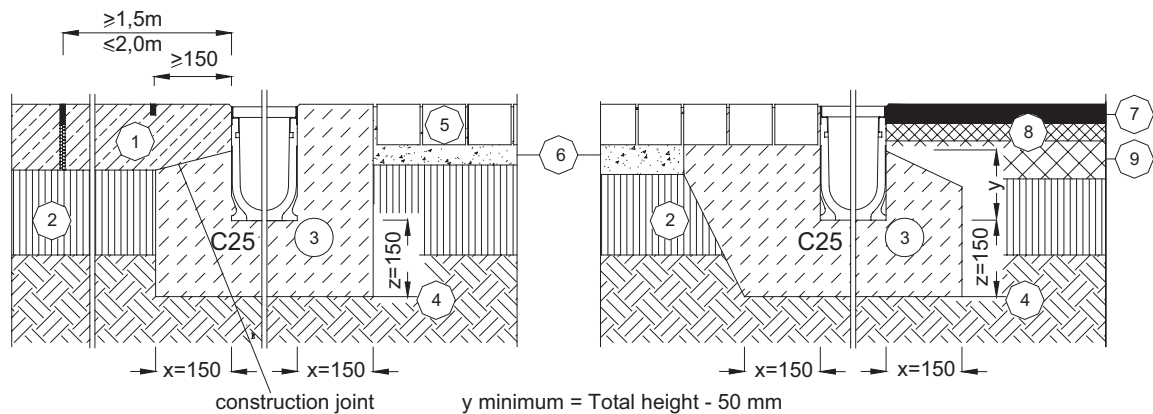
Supreme Loading class A 15



Supreme Loading class B 125



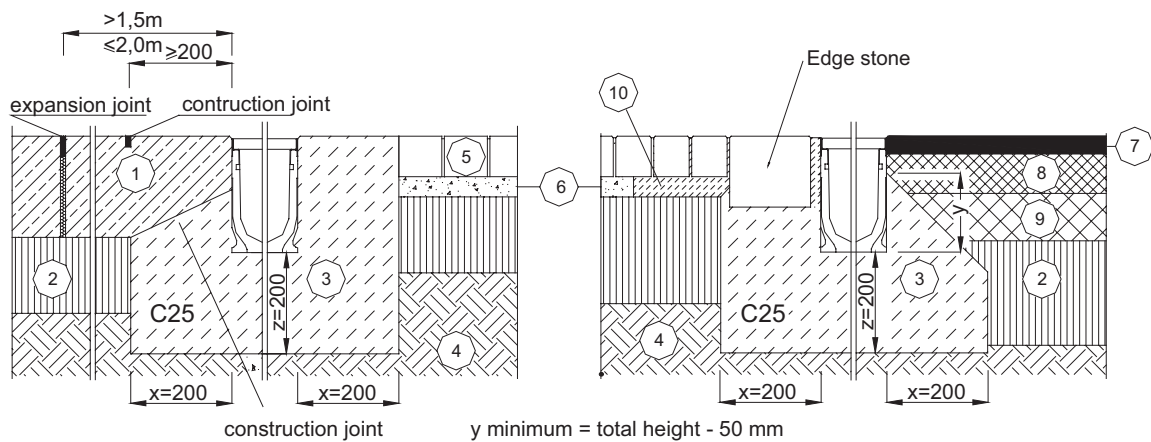
Supreme Loading class C 250



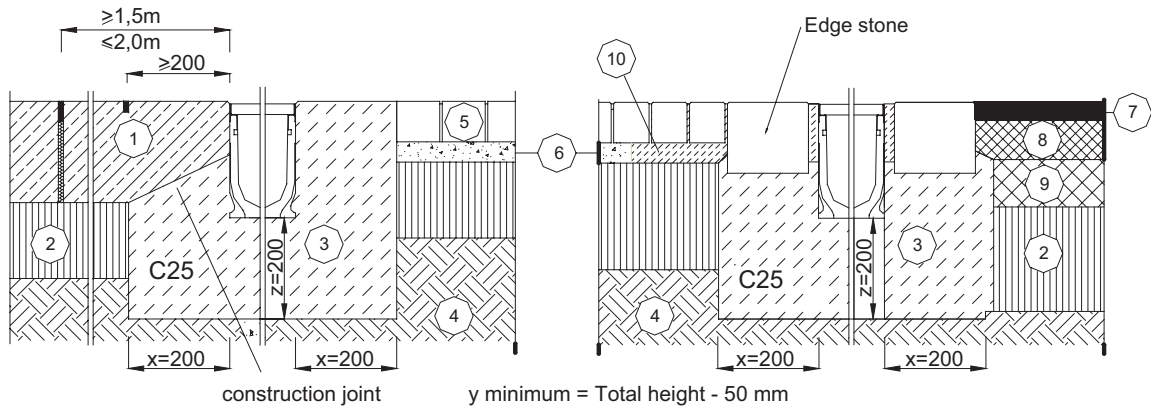
- | | | |
|-------------------|----------------|--------------------------|
| ① Concrete | ⑤ Block paving | ⑨ Bituminous base course |
| ② Sub-base | ⑥ Sand layer | ⑩ Mortar |
| ③ Concrete haunch | ⑦ Asphalt | |
| ④ Earth | ⑧ Base course | |

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.

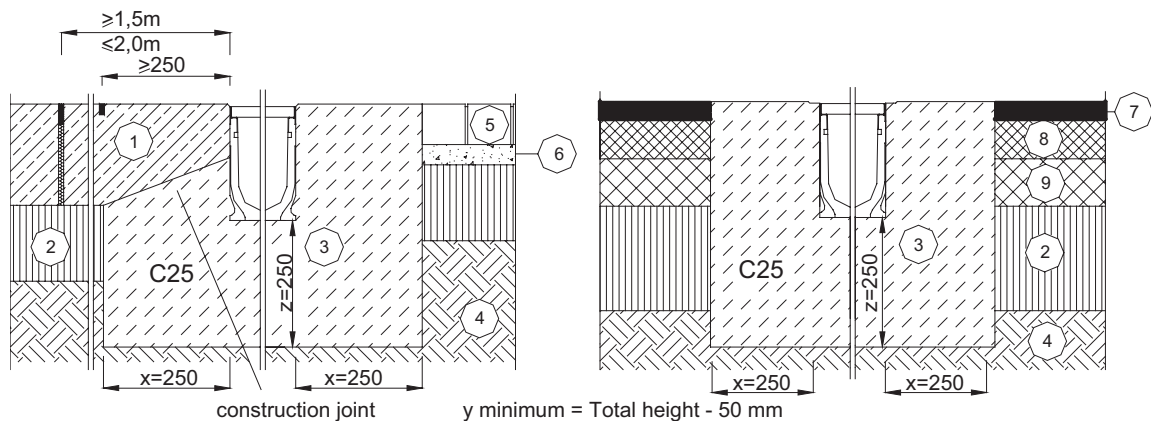
Supreme Loading class D 400*



Supreme Loading class E 600



Supreme Loading class F 900



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

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.

*D 400 unsuitable for cross drainage of high speed roads and motorways



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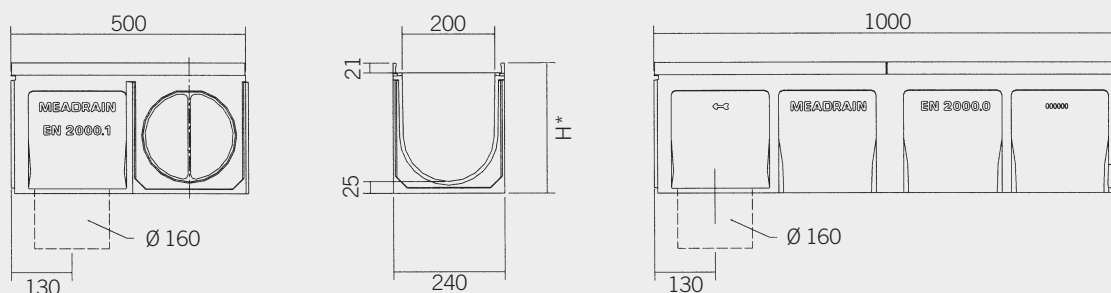
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MEADRAIN® Supreme System EN 2000

Technical Data



H* = Height

Material properties

Channel body

- ◆ Polymer concrete based on polyester resin
- ◆ Compression resistance: $> 90 \text{ N/mm}^2$
- ◆ Flexural strength: $> 22 \text{ N/mm}^2$
- ◆ Water absorption: less than 0,05%
- ◆ Density: $2,1 - 2,3 \text{ kg/dm}^3$
- ◆ Modulus of elasticity: $25 - 35 \text{ kN/mm}^2$
- ◆ Water penetration level: 0 mm
- ◆ Material structure: capillary free

Edge protection

- ◆ Cast iron: KTL-coated (cataphoretic 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 160 in 500 mm and 1000 mm channel
- ◆ The /A-marked channel elements include a HD-PE outlet connector Ø 160
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN Top 2000 grating covers with PROFIX boltless locking systems or standard locking mechanisms
- ◆ Fall type: stepped fall and 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: 280 mm - 380 mm (see table)
- ◆ Total width: 240 mm
- ◆ Length: 500 mm and 1000 mm

Channel units overview

Channel without fall

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional area** [cm²]	EDP Number 010...
EN 2000.0 ¹⁾	1000	280	280	37,0	420,0	157531
EN 2000.1 ¹⁾²⁾	500	280	280	19,0	420,0	157533
EN 2010.0 ¹⁾	1000	330	330	42,5	520,0	157535
EN 2010.1 ¹⁾²⁾	500	330	330	21,0	520,0	157537
EN 2020.0 ¹⁾	1000	380	380	47,5	620,0	157539
EN 2020.1 ¹⁾²⁾	500	380	380	23,5	620,0	157541
EN 2020.1RW/A ²⁾³⁾	500	380	380	23,5	620,0	157543

Channel units with stepped fall

as connecting elements for stepped fall (with 5 % fall)

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional area** [cm²]	EDP Number 010...
EN 2000-10	1000	280	330	39,0	520,0	157545
EN 2010-20	1000	330	380	43,5	620,0	157547

¹⁾ Channel element suitable for connection to a vertical Ø 160 outlet connector, a silt box or an end cap with outlet connector

²⁾ Channel element suitable for corner and cross junction connection

³⁾ Channel element with HD-PE outlet connector Ø 160 with sealing ring and opened on both sides (change flow direction)

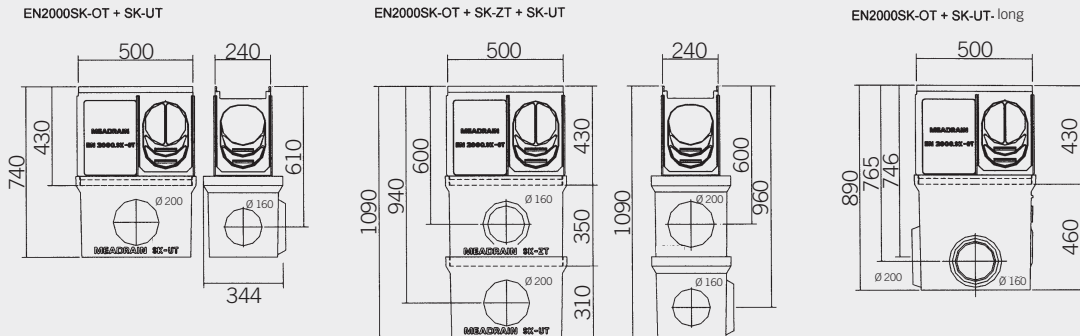
** Cross sectional area from the grating surface to the invert of the channel

Product overview Gully elements

product description		Length [mm]	Total height h [mm]	Weight [kg]	EDP Number 010...
EN 2000 SK-OT	Upper gully opened both sides for channel EN 2000 Pre-formed knockouts for breaking out used for larger overall channel heights	500	430	25,0	157549
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 Ø 160 ¹⁾ /200	524	310	24,0	154711
SK-UT-Long	Lower gully long section with preformed knockouts for connectors Ø 160 ¹⁾ /200	524	460	33,6	154719

¹⁾ Possibility to use lip sealing ring

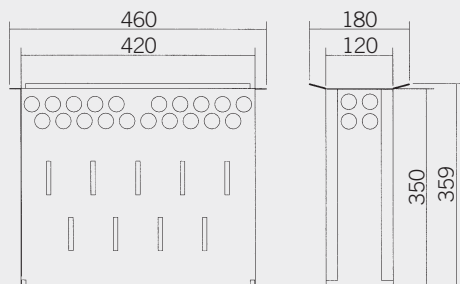
Gully made of polymer concrete EN 2000.SK



Description and sizes

- ◆ Multipart execution with various possibilities of combination of upper, intermediate and lower parts
- ◆ Integrated cast iron edge protection
- ◆ Galvanized steel sediment bucket available
- ◆ Suitable for installation of MEADRAIN Top 2000 with boltless locking systems or standard locking mechanisms
- ◆ Open both sides for connection of channel type 2000.0
- ◆ Pre-formed knockouts for breaking out, making the perfect connection of the channel types 2010 and 2020
- ◆ Connection facility for outlet connector Ø 160 and Ø 200.

Sediment bucket for EN 2000.SK-S



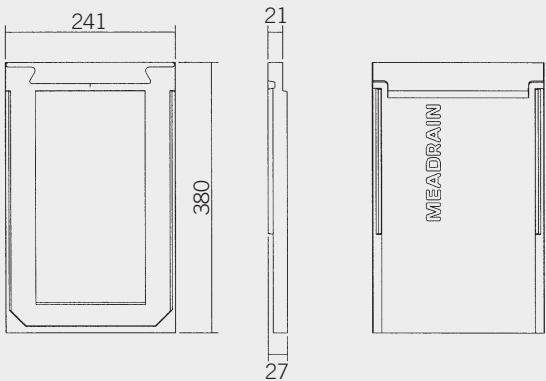
Description and sizes

- ◆ Optimised slot design for achieving best discharge rates
- ◆ Material: galvanized steel

- ◆ EDP-Number: 010154717
- ◆ Total height: 359 mm
- ◆ Total width: 180 mm

- ◆ Total length: 460 mm
- ◆ Weight: 2,5 kg

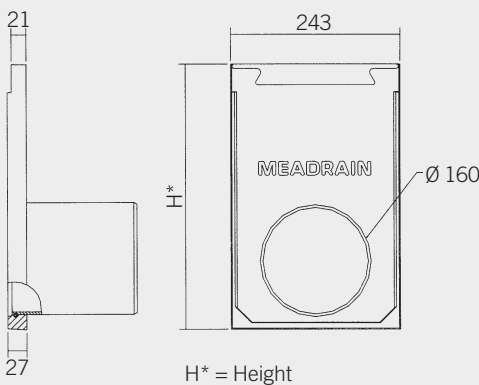
End caps for channel start and end EN 2000.SE



Description and sizes

- ◆ Edge protection: cast iron
- ◆ Suitable for all heights
- ◆ EDP-Number: 010153551
- ◆ Total height: 380 mm
- ◆ Total width: 241 mm
- ◆ Weight: 3,7 kg

End caps for channel end EN 2000.E



Description and sizes

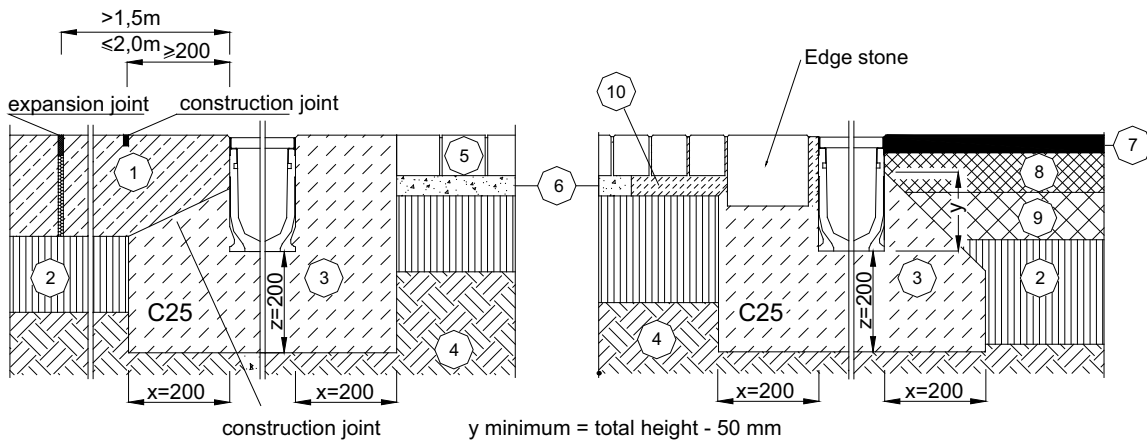
- ◆ Edge protection: cast iron
- ◆ Integrated sealing ring
- ◆ Integrated HD-PE outlet connector Ø 160
- ◆ Suitable for channel types 2000, 2010 and 2020

	EN 2000.E	EN 2010.E	EN 2020.E
◆ EDP-Number:	010153553	010153555	010153557
◆ Total height:	280 mm	330 mm	380 mm
◆ Total width:	243 mm	243 mm	243 mm
◆ Weight:	2,8 kg	3,3 kg	3,9 kg

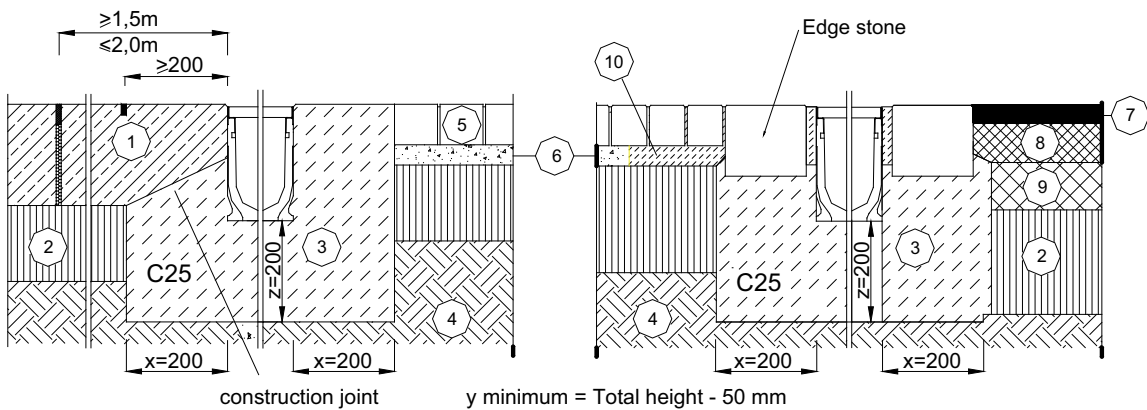
Supreme Loading class A 15



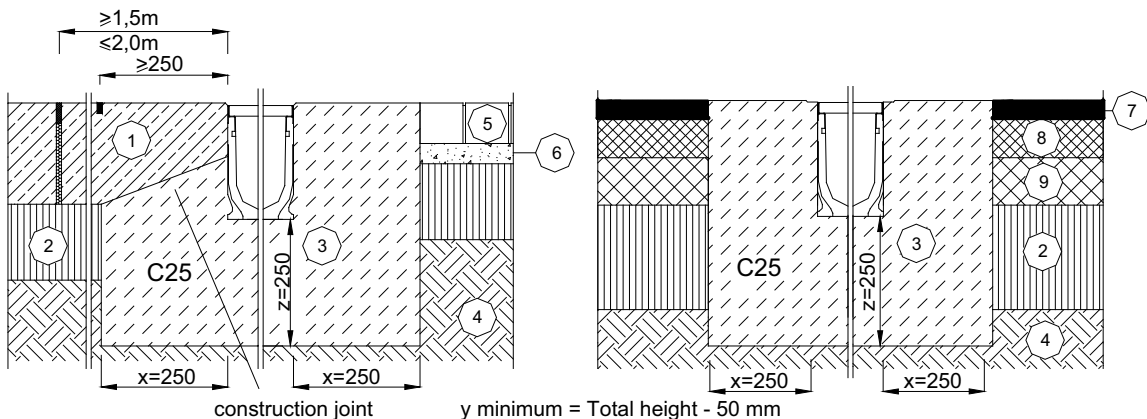
Supreme Loading class D 400*



Supreme Loading class E 600



Supreme Loading class F 900



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

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.

*D 400 unsuitable for cross drainage of high speed roads and motorways



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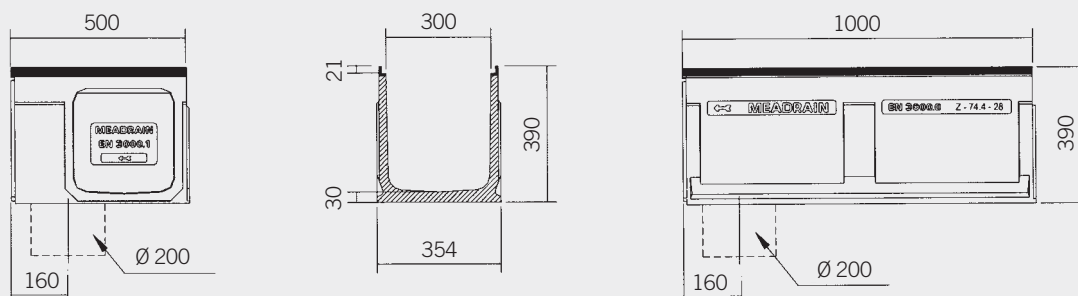
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MEADRAIN® Supreme System EN 3000

Technical Data



Material properties

Channel body

- ◆ Polymer concrete based on polyester resin
- ◆ Compression resistance: $> 90 \text{ N/mm}^2$
- ◆ Flexural strength: $> 22 \text{ N/mm}^2$
- ◆ 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: KTL-coated (cataphoretic 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 Ø 200 or to a siltbox

Product description	Length [mm]	Total height h1 [mm]	Total height h2 [mm]	Weight [kg]	Inlet sectional-area** [cm²]	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 Ø 200 with sealing ring and suitable for corner and cross junction connection

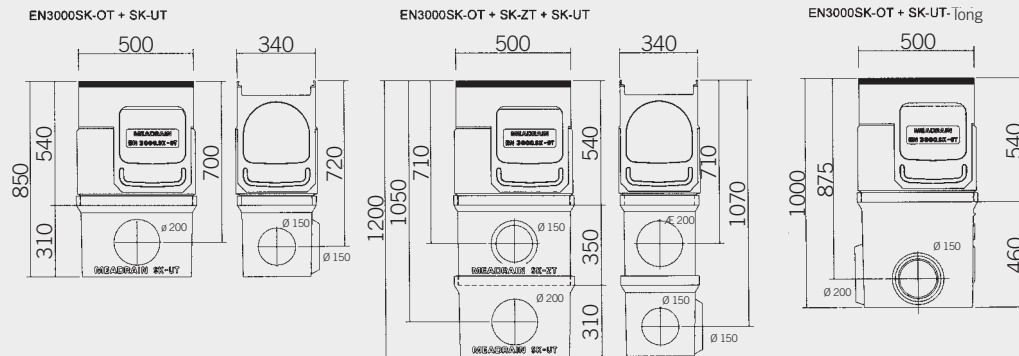
** Cross sectional area from the grating surface to the invert of the channel

Product overview Gully elements

Product description		Length [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 Ø 160 ¹⁾ /200	524	310	24,0	154711
SK-UT-Long	Lower gully long section with preformed knockouts for connectors Ø 160 ¹⁾ /200	524	460	33,6	154719

¹⁾ Possibility to use lip sealing ring

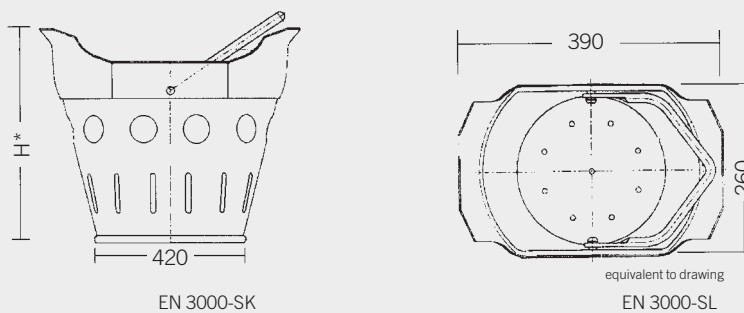
Gully made of polymer concrete EN 3000



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



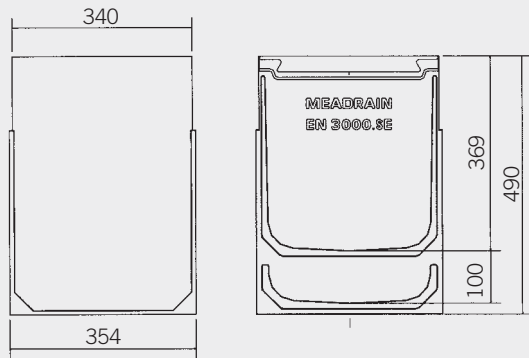
H* = Height

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

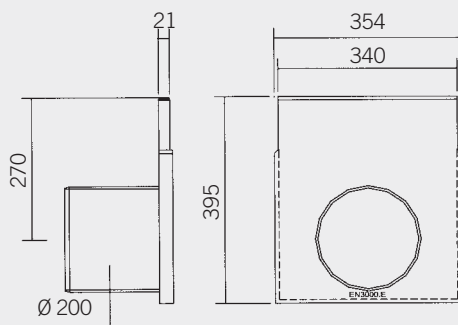
End caps for channel start and channel end EN 3000.SE



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

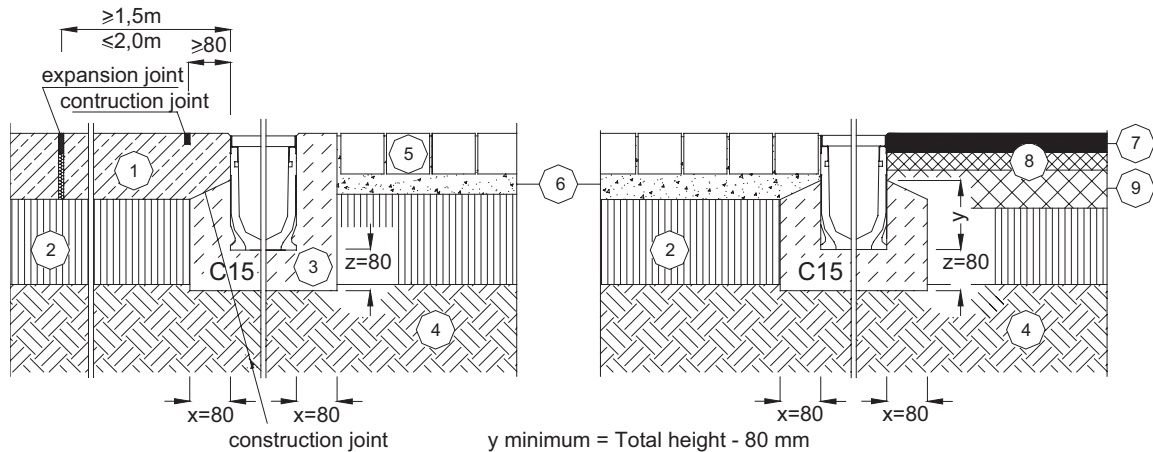
End caps for channel end EN 3000.E



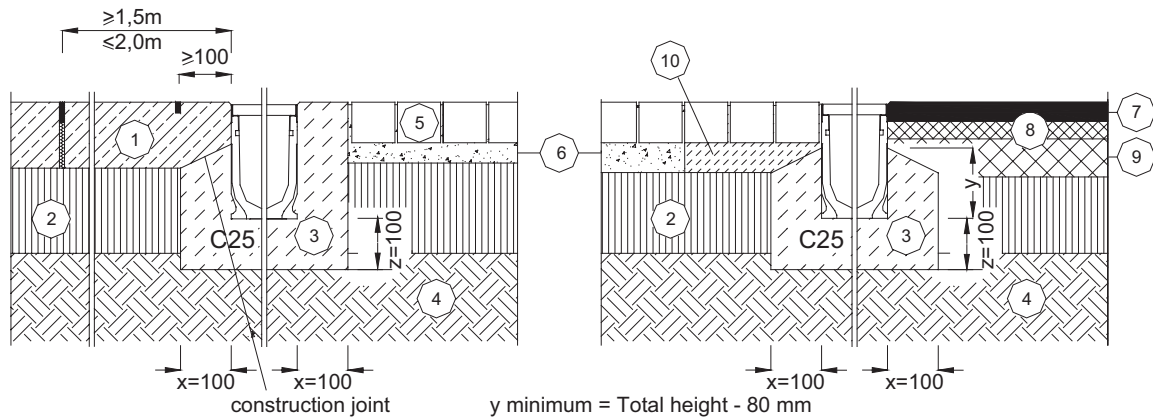
Description and sizes

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

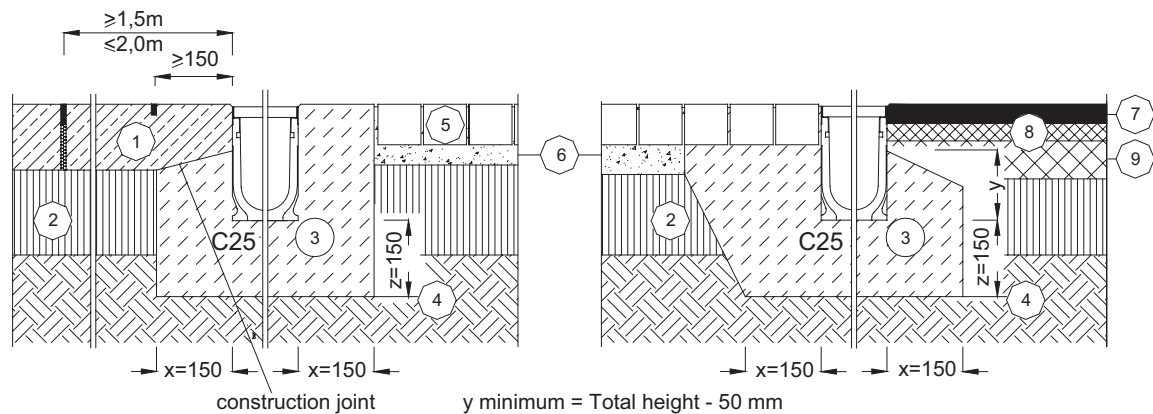
Supreme Loading class A 15



Supreme Loading class B 125



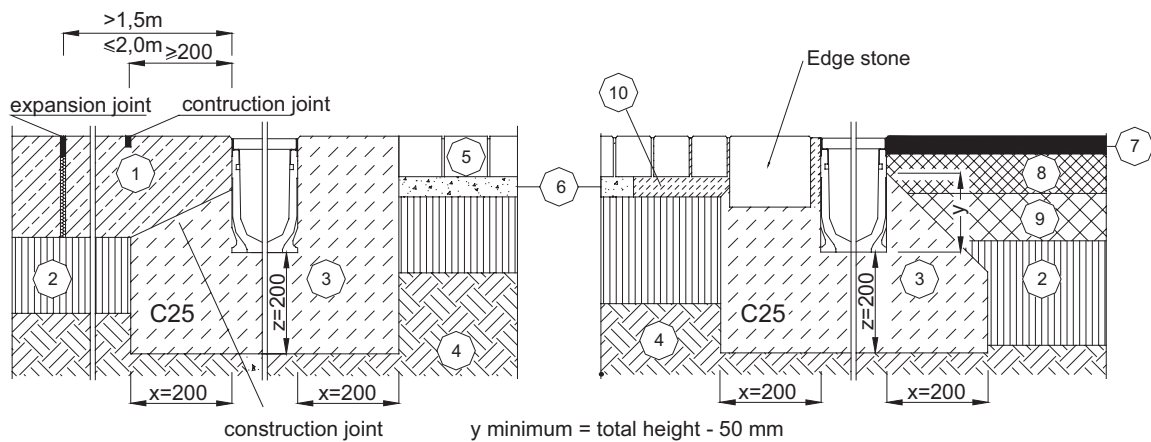
Supreme Loading class C 250



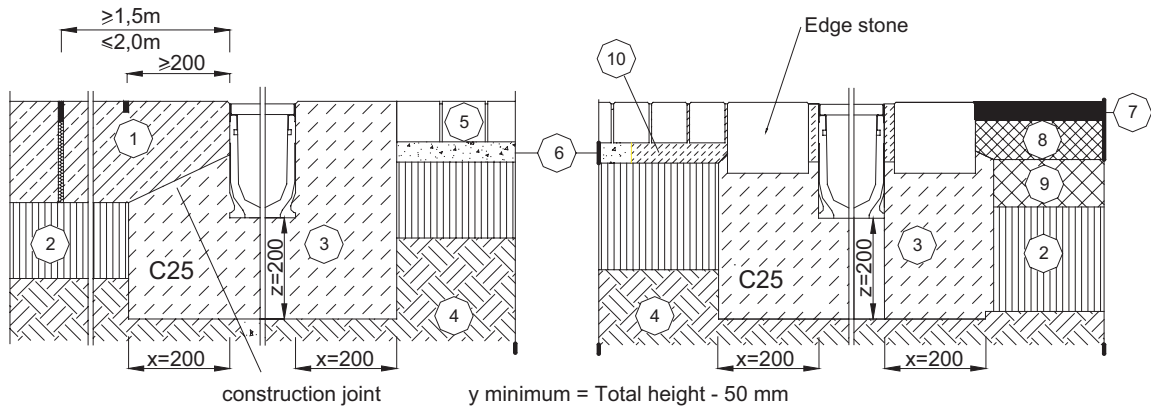
- | | | |
|-------------------|----------------|--------------------------|
| ① Concrete | ⑤ Block paving | ⑨ Bituminous base course |
| ② Sub-base | ⑥ Sand layer | ⑩ Mortar |
| ③ Concrete haunch | ⑦ Asphalt | |
| ④ Earth | ⑧ Base course | |

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.

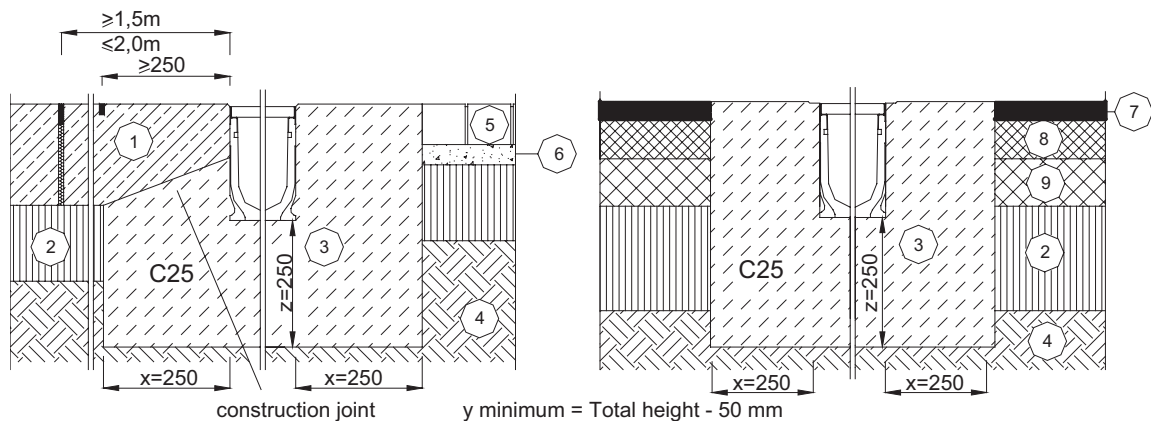
Supreme Loading class D 400*



Supreme Loading class E 600



Supreme Loading class F 900



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

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.

*D 400 unsuitable for cross drainage of high speed roads and motorways



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Approved



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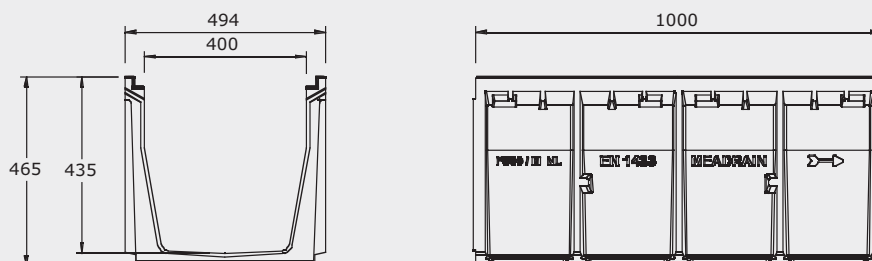
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MEADRAIN® Supreme System EN 4000

Technical data



Material properties

Channel body

- ◆ Polymer concrete based on polyester resin
- ◆ Compression resistance: $\geq 90 \text{ N/mm}^2$
- ◆ Flexural strength: $\geq 22 \text{ N/mm}^2$
- ◆ Water absorption: less than 0,05%
- ◆ Density: $2,1 - 2,3 \text{ kg/dm}^3$
- ◆ Modulus of elasticity: $25 - 35 \text{ kN/mm}^2$
- ◆ Water penetration level: 0 mm
- ◆ Material structure: capillary free

Edge protection

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

Gratings

- ◆ Ductile iron: Sphäroguss (GGG)

Description and sizes

- ◆ Drainage channel made of polymer concrete with sealable channel groove
- ◆ Integrated ductile iron edge protection
- ◆ Pre-formed knockout $\varnothing 200$
- ◆ Interlocking joint system for an exact fitting of the channels
- ◆ Suitable for installation of MEADRAIN TOP 4000 gratings (4 bolts per grating)
- ◆ Fall type: no fall
- ◆ Loading classes: A 15 - F 900 to EN 1433
(Class D400 unsuitable for cross drainage of high speed roads and motorways)
- ◆ Total height: 465 mm
- ◆ Total width: 494 mm
- ◆ Total length: 1000 mm

Channel units overview

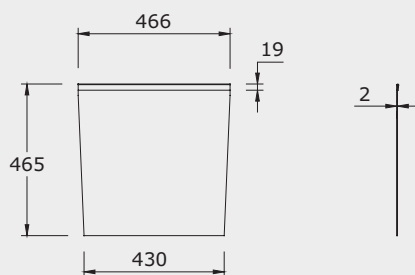
Channel without fall

Channel element suitable for connection to a vertical Ø 200 outlet connector

Product description	Length [mm]	Total height [mm]		Weight [kg]	Inlet sectional area ** [cm²]	EDP Number 010...
EN 4000.0	1000	465		68,7	1491	152001

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

End cap for channel start and end EN 4000.SE



Description and sizes

◆ End cap of galvanised steel

◆ EDP Number:	010152005
◆ Total height:	465 mm
◆ Total length:	466 mm
◆ Weight:	3,3 kg
◆ Thickness:	2 mm

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