

MATERIAL CHARACTERISTICS

POLYMER CONCRETE	on a Polyester resin basis, with mineral fillers, additives
COMPRESSIVE STRENGTH	≥ 90 N/mm ²
BENDING STRENGTH	≥ 22 N/mm ²
ELASTICITY MODULE	25,000 – 35,000 N/mm ²
DENSITY	2,1 – 2,3 kg/dm ³
COEFFICIENT OF LINEAR EXPANSION	Approx. 1.45 x 10 ⁻⁵ 1/K
HEAT RESISTANCE	100°C continuous load, up to 200°C with a load duration up to 5 min.
FROST RESISTANCE	- 50 °C
WATER PENETRATION LEVEL	0 mm
WATER ABSORPTION	< 0,05% DIN 52 103 (A)
MATERIAL STRUCTURE	Capillary free

PURPOSE OF USE

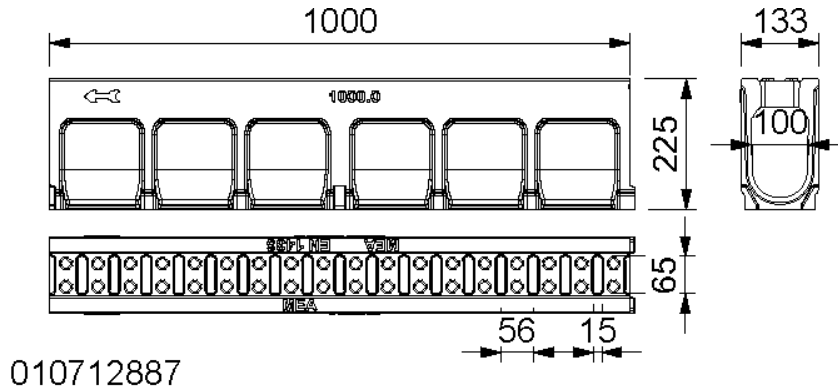
Component for the line drainage of surfaces in order to collect, transport and discharge rainwater from adjacent fixed surfaces.

MEADRAIN DM CITY 1000

A 15, B 125, C 250, D 400 CW 100

**MEADRAIN DM CITY 1000 POLYMER CONCRETE DRAINAGE CHANNEL
MONOLITHIC CONSTRUCTION WITH SEALING JOINT ACCORDING TO EN 1433**

Clear width of the channel body 100 mm, total width 133 mm. For the realization of water level slopes. Loading classes A 15 to D 400 according to EN 1433. Load capacity according to specification, when installed according to the MEA installation instructions.



**MEADRAIN DM CITY 1000 DRAINAGE CHANNEL BODY,
LOADING CLASS D 400 ACCORDING TO EN 1433**

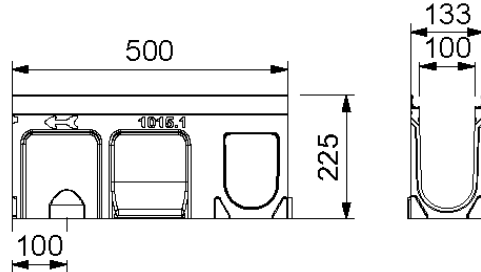
Designation	Ord. No.	Length [mm]	Height [mm]	Inlet sect. area Ø cm ² /m above	kg/unit
MEADRAIN DM CITY 1000.0 Drainage channel body	010712887	1000	225	160	27,23

MEADRAIN DM CITY 1000

A 15, B 125, C 250, D 400 CW 100

MEADRAIN DM CITY 1000 ACCESSORIES

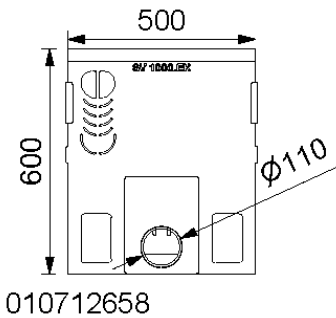
MEADRAIN DM CITY 1000.0 channels are compatible with drainage elements **MEADRAIN SV/SE/SG 1015** and with the accessories of **MEADRAIN SV/SE/SG 1015**



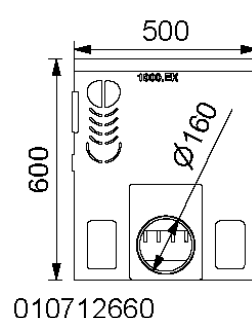
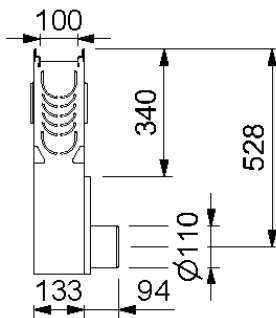
010712646

MEADRAIN DM CITY 1000 INSPECTION ELEMENT

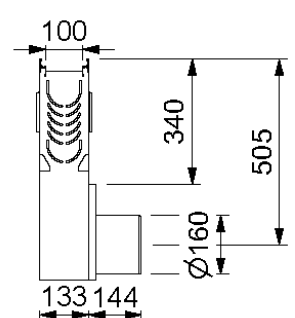
Designation	Ord. No.	Length [mm]	Height [mm]	kg/unit
MEADRAIN SV 1015.1 Drainage channel body 4) 14) *) **)	010712646	500	225	9,86
MEADRAIN SE 1015.1 Drainage channel body 4) 14) *) **)	010713538	500	225	9,93
MEADRAIN SG 1015.1 Drainage channel body 4) 14) *) **)	010713628	500	225	9,31



010712658



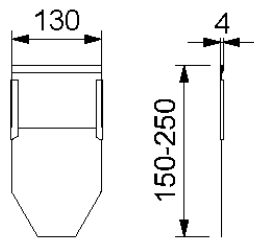
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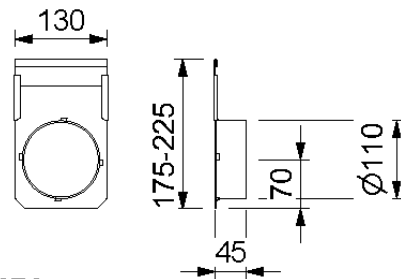
MEADRAIN DM CITY 1000 GULLY

Designation	Ord. No.	Length [mm]	Height [mm]	kg/unit
MEADRAIN SV 1000.EK110 Gully incl. sediment bucket for pipe connection Ø 110 mm **)	010712658	500	600	32,84
MEADRAIN SE 1000.EK110 Gully incl. sediment bucket for pipe connection Ø 110 mm *) **)	010713552	500	600	32,59
MEADRAIN SG 1000.EK110 Gully incl. sediment bucket For pipe connection Ø 110 mm *) **)	010713666	500	600	33,18
MEADRAIN SV 1000.EK160 Gully incl. sediment bucket for pipe connection Ø 160 mm **)	010712660	500	600	32,80
MEADRAIN SE 1000.EK160 Gully incl. sediment bucket for pipe connection Ø 160 mm *) **)	010713554	500	600	35,00
MEADRAIN SG 1000.EK160 gully incl. sediment bucket for pipe connection Ø 160 mm **)	010713668	500	600	35,00

4) Connection option for vertical drain Ø 110 mm or to end caps with connector or to gullies / silt boxes.
 14) Connection option for corner-, t- and cross- connections.
 *) Delivery time on demand.
 **) Not suitable for the diagonal or transverse travel of motorways and highways



010712666



010712676

MEADRAIN DM CITY 1000 END CAPS

Designation	Ord. No.	Height [mm]	Height 2 [mm]	Material	kg/unit
MEADRAIN SV/SG 1000-20.SE End cap for channel start/end, height-adjustable	010712666	150	250	Galv. steel	0,28
MEADRAIN SE 1000-20.SE End cap for channel start/end, height-adjustable *)	010713560	160	250	Stainl. steel	0,28
MEADRAIN SV/SG 1005-15.E End cap for channel end, height adjustable with connection piece Ø 110 mm	010712676	175	224	Galv. steel	0,45
MEADRAIN SE 1005-15.E End cap for channel end, height adjustable with connector Ø 110 mm *)	010713566	175	225	Stainl. steel	0,40

*) Delivery time on demand.

MEADRAIN DM CITY 1000

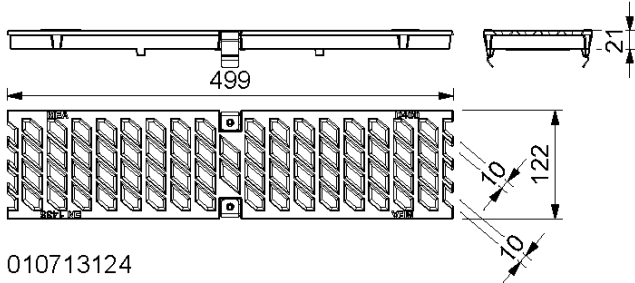
A 15, B 125, C 250, D 400 CW 100



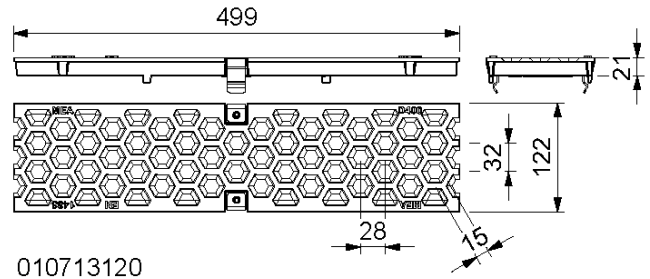
BUILDING SUCCESS

COVERS FOR MEADRAIN DM CITY 1000 GULLY AND INSPECTION ELEMENT

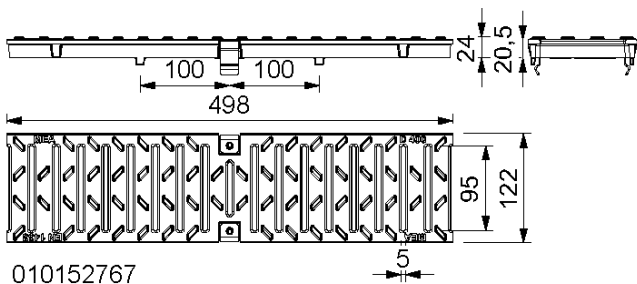
With CLIPFIX channel securement, with longitudinal shift protection, suitable for gully and inspection element of MEADRAIN DM CITY 1000.



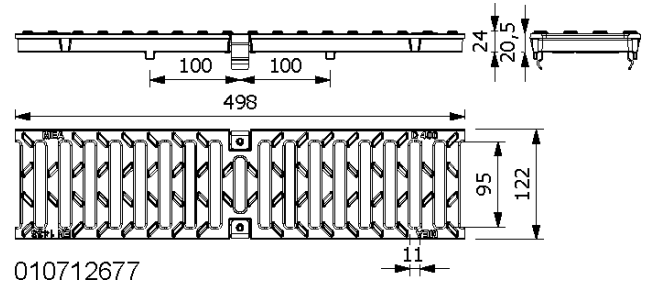
010713124



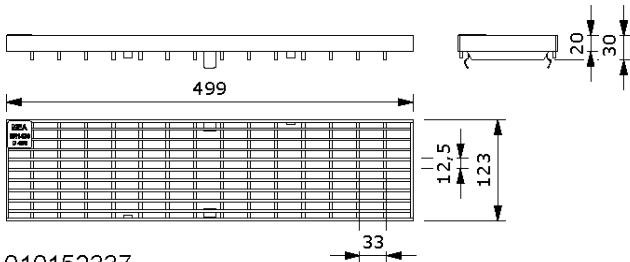
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010152767



010712677



010152337

LOADING CLASS D 400 ACCORDING TO EN 1433

WITH NON-BOLTED CLIPFIX CHANNEL COVER SECUREMENT **)

Designation	Ord. No.	Material	Length [mm]	Inlet sect. area Ø cm ² /m above	kg/unit
MEA 100 Ductile Iron slotted grating-D 400-0,5 m 5/95 CXL, heelguard **) ****)	010152767	Ductile iron	500	186	4,00
MEA 100 Ductile Iron slotted grating-D 400-0,5 m 11/95 CXL **) ****)	010712677	Ductile iron	500	410	3,50
MEA 100 Design grating BAVARIA-D 400-0,5 m 10/21 CXL *) **) ****)	010713124	Ductile iron	500	292	3,50
MEA 100 Design grating HONEYCOMB-D 400-0,5 m 15/17 CXL *) **) ****)	010713120	Ductile iron	500	206	3,40
MEA 100 Galv. Mesh grating-D 400-0,5 m 30/10 CXL *) **) **)	010152337	Galv. steel	500	845	2,90
MEA 100 Stainl.steel mesh grating-D 400-0,5 m 30/10 CXL *) **) **)	010152353	Stainl. steel	500	845	2,90

*) Delivery time on demand.

**) Not suitable for the diagonal or transverse travel of motorways and highways.

****) The surface coating of ductile iron parts only has a temporary and cosmetic function. Ductile iron is virtually impervious to surface oxidation from environmental influences (e.g. thawing salt). Superficial rust does not constitute a product defect. Of course, the resignation of surface coating is in accordance with all corresponding standards

MEADRAIN DM CITY 1000

A 15, B 125, C 250, D 400 CW 100



BUILDING SUCCESS

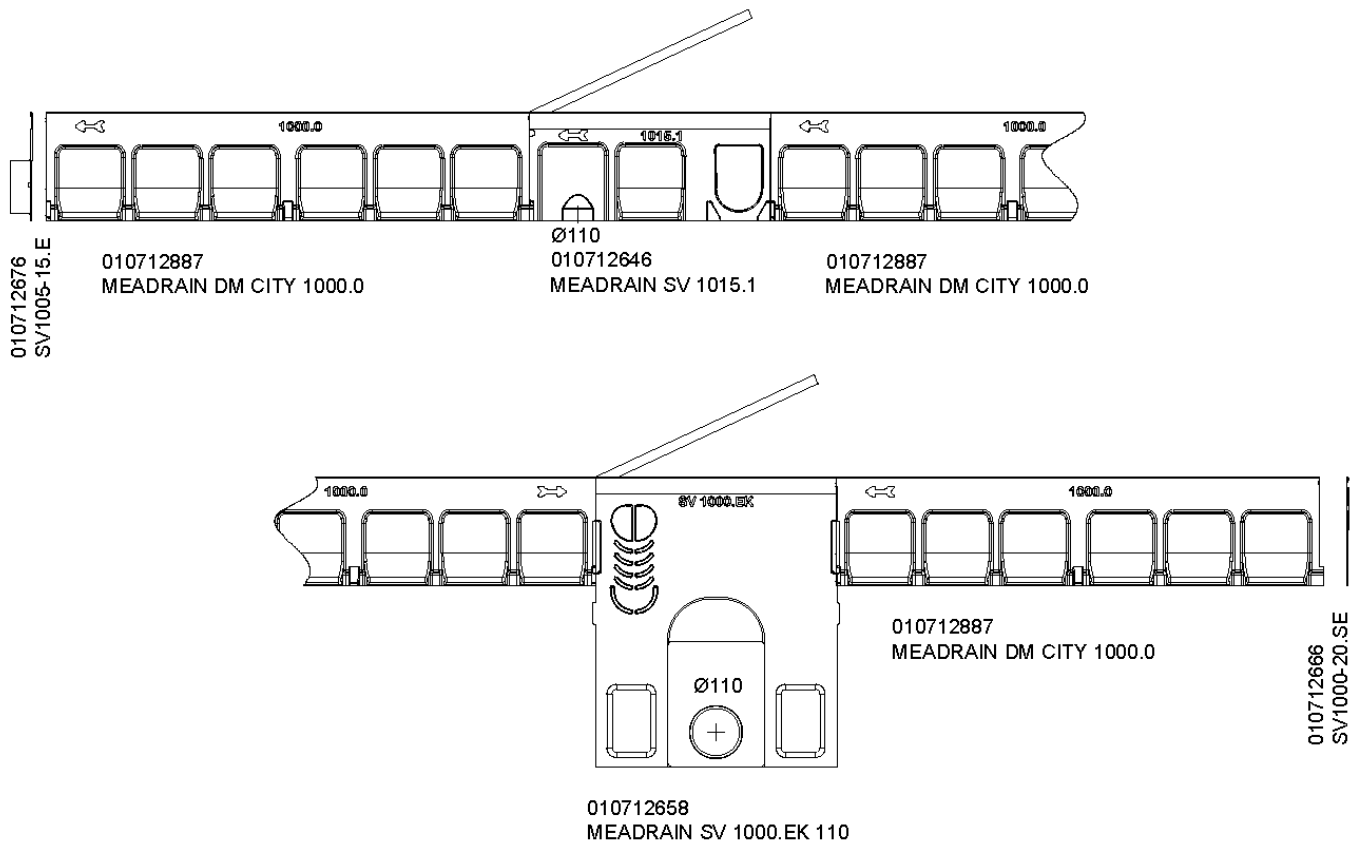
GRID HOOK

Designation	Ord. No.	Material	kg/unit
MEADRAIN/MEARIN Grid hook	010152115	Galv. steel	0,23

MEA 100 CLIPFIX ANTI-THEFT PROTECTION

Designation	Ord. No.	Material	kg/unit
MEA 100 CLIPFIX Anti-theft protection, bolt fixing required, 10 Pack. Cannot be used in the MEARIN PLUS F100.0 shallow channel and plastic gratings.	010714705	Plastic, Stainl. steel	0,60

MEADRAIN DM CITY 1000 SYSTEM OVERVIEW



This edition of the technical data sheet shall be valid from June 2022 until a revised version is published and replaces any previous publications. The respectively current version is available for download at www.mea-group.com.

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