

MATERIAL CHARACTERISTICS

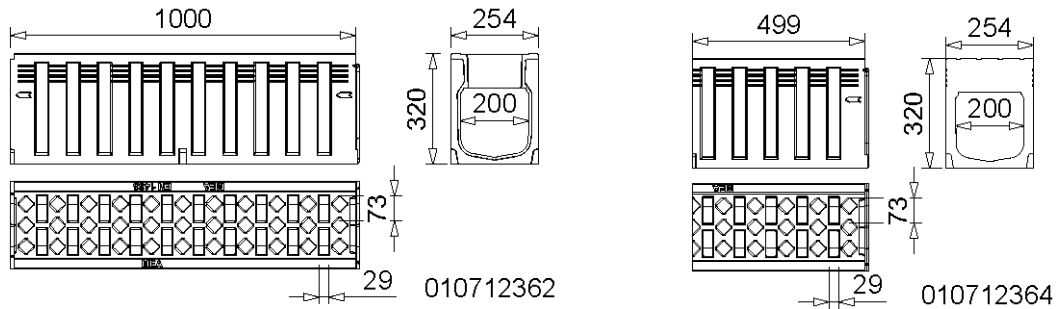
POLYMER CONCRETE	on a Polyester resin basis, with mineral fillers, additives
COMPRESSIVE STRENGTH	≥ 90 N/mm ²
BENDING STRENGTH	≥ 22 N/mm ²
ELASTICITY MODULE	25,000 – 35,000 N/mm ²
DENSITY	2,1 – 2,3 kg/dm ³
COEFFICIENT OF LINEAR EXPANSION	Approx. 1.45 x 10 ⁻⁵ 1/K
HEAT RESISTANCE	100°C continuous load, 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. Particularly suitable for use on roads and motorways. DAL and DAR versions for use with 2-layer drainage asphalt.

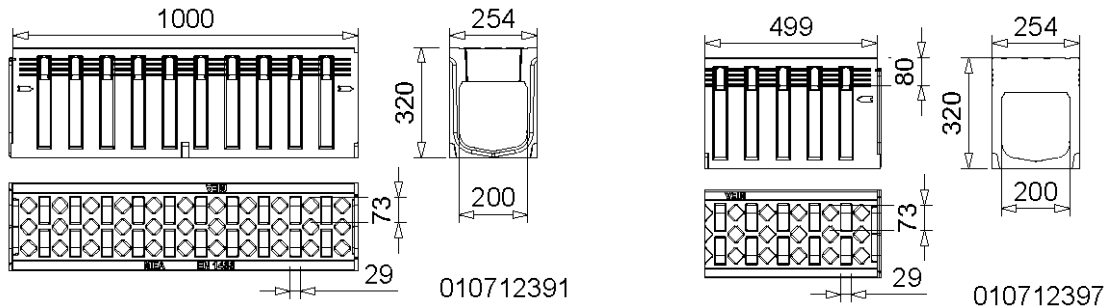
**MEADRAIN DMD 2000 POLYMER CONCRETE DRAINAGE CHANNEL
MONOLITHIC CONSTRUCTION WITH SEALING JOINT ACCORDING TO EN 1433**

Clear width of the channel body 200 mm, total width 254 mm. for the realization of water level slopes. With molded EPDM sealing rubber in the channel joint. Loading classes A 15 to F 900 according to EN 1433. Load capacity as specified, when installed in accordance with the MEA EN installation instructions. Loading class D 400 also for cross drainage of expressways and motorways.



MEADRAIN DMD 2000 DRAINAGE CHANNEL BODY WITHOUT FALL, LOADING CLASSES UP TO F 900

Description	Ord. No.	Length [mm]	Height [mm]	Inlet sect. area Ø cm ² /m above	kg/unit
MEADRAIN DMD 2000.0 Drainage channel body-1 m	010712362	1000	320	560	79,36
MEADRAIN DMD 2000.1 Drainage channel body-0,5 m	010712364	500	320	560	38,71



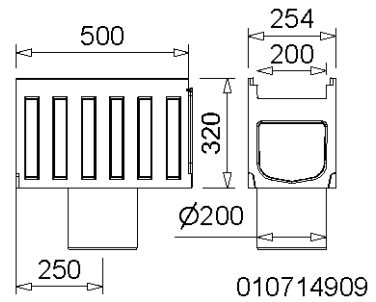
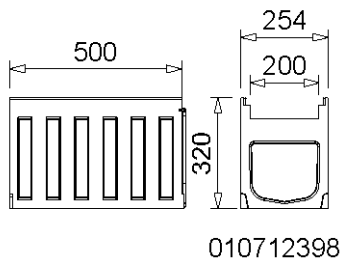
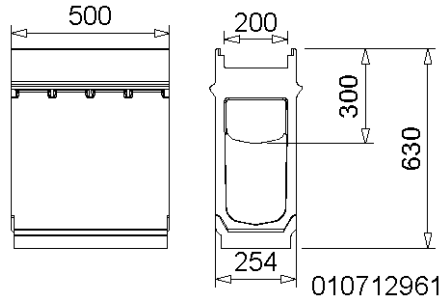
**MEADRAIN DMD 2000 DAL II AND DAR II DRAINAGE CHANNEL BODY WITHOUT FALL,
WITH LATERAL INLET SLOTS, LOADING CLASSES UP TO D 400**

Description	Ord. No.	Length [mm]	Height [mm]	Inlet sect. area Ø cm ² /m laterally	Inlet sect. area Ø cm ² /m above	kg/unit
MEADRAIN DMD 2000.0 DAL II Drainage channel body-1 m *)	010712391	1000	320	125	560	77,00
MEADRAIN DMD 2000.1 DAL II Drainage channel body-0,5 m *)	010712392	500	320	125	560	38,00
MEADRAIN DMD 2000.0 DAR II Drainage channel body-1 m *)	010712396	1000	320	125	560	77,00
MEADRAIN DMD 2000.1 DAR II Drainage channel body-0,5 m *)	010712397	500	320	125	560	38,00

DAL II = side inlets in the line of sight upstream left for two-layered drainage asphalt.
DAR II = side inlets in the line of sight upstream right for two-layered drainage asphalt.

*) Delivery time upon request.

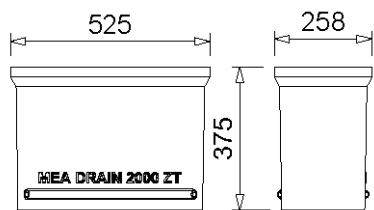
MEADRAIN DMD 2000 ACCESSORIES



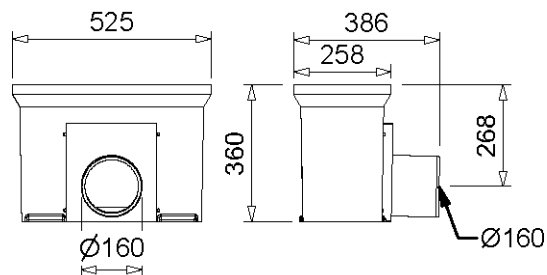
MEADRAIN DM/DMD 2000 GULLY UPPER PART AND INSPECTION ELEMENTS

Description	Ord. No.	Length [mm]	Height [mm]	kg/unit
MEADRAIN DM 2000.SK-OT Gully upper part without cover 21)	010712961	500	630	25,00
MEADRAIN DMD 2000.R Inspection element 21)	010712398	500	320	23,50
MEADRAIN DMD 2000 R/A Inspection element with socket Ø 200 mm-0.5 m 21)	010714909	500	320	26,00

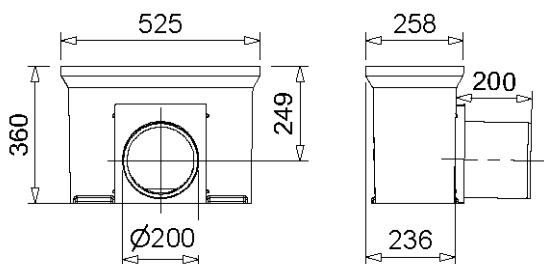
21) Gully and revision element not suitable for use within in dynamically loaded ranges.



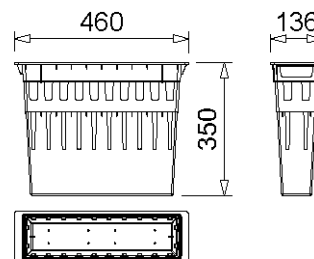
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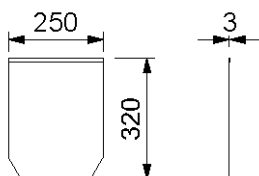
010713883



010710153

MEADRAIN DM/DMD 2000 GULLIES AND SEDIMENT BUCKET

Description	Ord. No.	Length [mm]	Height [mm]	kg/unit
MEADRAIN 2000 SK-ZT Gully intermediate part made of polymer concrete for a height extension	010154708	525	375	25,20
MEADRAIN 2000 SK-UTKURZ/A short Gully lower part, with integrated drain outlet Ø 160 mm	010713882	525	360	23,69
MEADRAIN 2000 SK-UTKURZ/A short Gully lower part, with integrated drain outlet Ø 200 mm	010713883	525	360	23,70
MEA 150/200 sediment bucket made of plastic *)	010710153	-	-	3,10



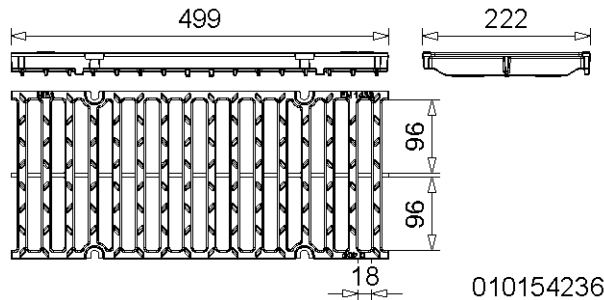
010712375

MEADRAIN DM/DMD 2000 END CAP

Description	Ord. No.	Material	Height [mm]	kg/unit
MEADRAIN DM 2000.SE End cap for channel start/end	010712375	Galv. steel	320	0,93

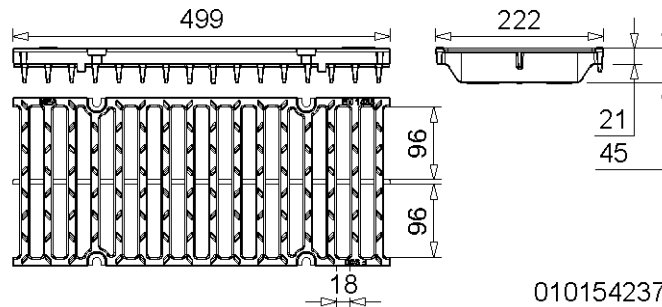
*) Delivery time upon request.

COVERS FOR MEADRAIN DM/DMD 2000 GULLIES AND INSPECTION ELEMENTS



MEADRAIN DM/DMD 2000 COVERS FOR GULLY AND INSPECTION ELEMENT, LOADING CLASSES UP TO D 400, 4-FOLD BOLTED

Description	Ord. No.	Material	Inlet sect. area Ø cm ² /m above	Length [mm]	kg/unit
MEA EN 200 Ductile iron slotted grating-D 400-0.5 m 18/96 bolt fixing required *) **) ****)	010154236	Ductile iron	962	500	7,27



MEADRAIN DM/DMD 2000 COVER FOR INSPECTION ELEMENT AND GULLY, LOADING CLASSES UP TO F 900, 4-FOLD BOLTED

Description	Ord. No.	Material	Inlet sect. area Ø cm ² /m above	Length [mm]	kg/unit
MEA EN 200 Ductile iron slotted grating-F 900-0.5 m 17/94 bolt fixing required *) **) ****)	010154237	Ductile iron	960	500	11,34

GRATING FIXING MECHANISM

Description	Ord. No.	Material	kg/unit
MEADRAIN EN Galv. Grating locking mechanism for all grating widths, 4 pieces/grating with 20NM torque will be needed	010153096	Galv. steel (black)	0,02
MEADRAIN EN Stainl. steel grating locking mechanism for all grating widths, 4 pieces/grating with 20NM torque will be needed *)	010153098	Stainl. steel	0,02

*) Delivery time upon request.

**) 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.

This edition of the technical data sheet shall be valid from October 2023 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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