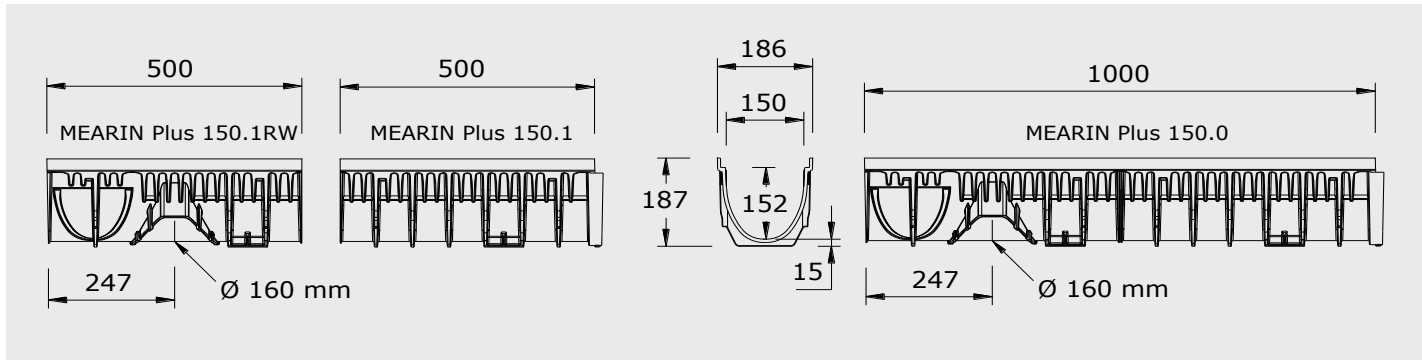


MEARIN Plus 150 and MEARIN Expert 150

Drainage channel with channel groove according EN 1433

MEARIN Plus 150



Material properties

Channel unit and construction unit

o SMC (Sheet moulded compound):	glassfibre reinforced polyester, with natural minerals
o Tensile strength:	65 N/mm ² (ISO527)
o Flexural tensile strength:	120 N/mm ² (ISO14125)
o Modulus of elasticity:	10.000 N/mm ² (ISO14125)
o Linear expansion coefficient:	1,5 - 2,0 x 10 ⁻⁵ 1/K
o Heat resistance:	100°C permanent exposure, short-term exposure to 200°C
o Frost resistance:	-35°C
o Water absorption	<0,1% (ISO R178)
o Material structure	capillary free

Edge protection

MEARIN Plus

- o glassfibre reinforced polyester

MEARIN Expert

- o galvanized steel

Channel covers

- o galvanized steel
- o ductile iron GGG (Sphäro)

Remark

* From loading class D400 not suitable for cross drainage of high speed roads and motorways

MEARIN Plus 150 and MEARIN Expert 150

Drainage channel with channel groove according EN 1433

Complete drainage system made of glassfibre reinforced polyester (GRP), with channel cover including STARFIX channel cover securement. Clear width 150mm, total width 186/182mm. Channel units without fall. Loading classes A15 - E600* to EN 1433. Loading classes as indicated when built-in according to MEA installation instructions.

Complete drainage channel MEARIN Plus 150 with galvanized steel mesh grating class B125 - STARFIX

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus 150.0 ¹⁾²⁾ channel + galvanized steel mesh grating 30/10	1000	187	140528	275443	14,50	24

Complete drainage channel MEARIN Plus 150 with ductile iron slotted grating C250 - STARFIX

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus 150.0 ¹⁾²⁾ channel + ductile iron slotted grating 12/150	1000	187	140530	275450	15,90	24

Complete drainage channel MEARIN PLUS 150 with ductile iron slotted grating D400* - STARFIX

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus 150.0 ¹⁾²⁾ channel + ductile iron slotted grating 12/150	1000	187	140532	275467	17,50	24

Complete drainage channel MEARIN Expert 150 with ADA longitudinal slotted grating E600* - STARFIX

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Expert 150.0 ¹⁾²⁾ channel + ADA longitudinal slotted gratings 26/7,7	1000	187	140534	275474	11,95	24

- 1) With connection facility for vertical outlet Ø 160mm, end caps with lateral connector Ø 160mm or lateral channel connection for T- and cross connections.
- 2) With connection facility for siltbox/gully Ø 160mm or end caps with horizontal connector Ø 160mm.

Remark

* From loading class D400 not suitable for cross drainage of high speed roads and motorways
The surface coating of ductile iron parts only has a cosmetic function. Because of surface oxidation, ductile iron is even irresistible against environment influences (e.g. salt solutions for de-icing). Therefore, surface oxidation of ductile iron parts is not admitted as a complaint by MEA. Of course, the resignation of surface coating is in accordance with all corresponding standards.

MEARIN Plus 150 channel unit

With GRP edge and channel groove according EN 1433

Channel made of glassfibre reinforced polyester (GRP). Suitable for all channel covers **MEARIN Plus/Expert 150**.

Clear width 150mm, total width 186mm. Channel units without fall. Loading classes A15 - D400* to EN 1433.

Loading classes as indicated when built-in according to MEA installation instructions.

Channel unit MEARIN Plus 150, class A15 bis D400*

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus 150.0 ¹⁾²⁾ channel	1000	187	140516	274781	4,50	44
MP	MEARIN Plus 150.1 ²⁾ channel	500	187	140518	274798	2,25	88
MP	MEARIN Plus 150.1RW ¹⁾²⁾³⁾ channel	500	187	140520	275405	2,25	88

MEARIN Expert 150 channel unit

With galvanized steel edge and channel groove according EN 1433

Channel made of glassfibre reinforced polyester (GRP). Suitable for all channel covers **MEARIN Plus/Expert 150**.

Clear width 150mm, total width 182mm. Channel units without fall. Loading classes A15 - E600* to EN 1433.

Loading classes as indicated when built-in according to MEA installation instructions.

Channel units MEARIN Expert 150, class A15 bis E600*

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Expert 150.0 ¹⁾²⁾ channel	1000	187	140522	275412	6,50	44
MP	MEARIN Expert 150.1 ²⁾ channel	500	187	140524	275429	3,25	88
MP	MEARIN Expert 150.1RW ¹⁾²⁾³⁾ channel	500	187	140526	275436	3,25	88

1) With connection facility for vertical outlet Ø 160mm, end caps with lateral connector Ø 160mm or lateral channel connection for T- and cross connections.

2) With connection facility for siltbox/gully Ø 160mm or end caps with horizontal connector Ø 160mm.

3) Can be used as change flow directions and channel line extension for 0.5m.

Remark

* From loading class D400 not suitable for cross drainage of high speed roads and motorways

Technical Datasheet Drainage Systems

MEARIN Plus and Expert drainage system

CW 150

A15 B125 C250 D400*

MEARIN Plus 150 accessories

MEARIN Plus plug-in edge from highly resistant GRP. Optionally to implement linear fall 0,5% or without fall.

Loading classes for channels with plug-in edges A15 to D400* according to EN 1433.

Extension of total height of channels from 32mm to 82mm. This also increases the drainage performance of the channels.

Loading classes as indicated, when built-in according to MEA installation instructions.

Plug-in edge for MEARIN Plus 150, without fall

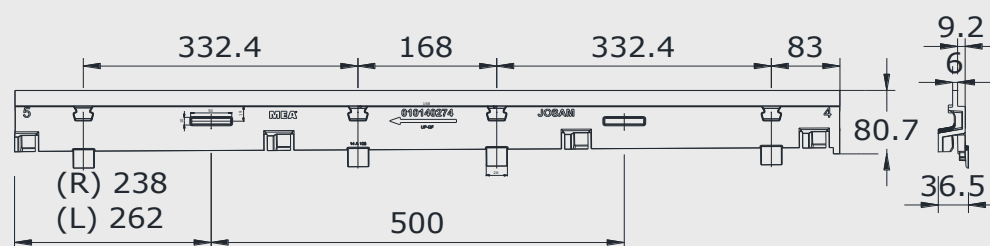
material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus plug-in edge 5.0 right/left	1000	244	140306	271995	1,17	1

Slope plug-in edges for MEARIN Plus 150, with fall 0,5%

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	Plug-in edge MEARIN Plus s. 1-R	1000	224	140266	271797	0,91	1
MP	Plug-in edge MEARIN Plus s. 2-R	1000	229	140268	271803	1,01	1
MP	Plug-in edge MEARIN Plus s. 3-R	1000	234	140270	271810	1,06	1
MP	Plug-in edge MEARIN Plus s. 4-R	1000	239	140272	271827	1,12	1
MP	Plug-in edge MEARIN Plus s. 5-R	1000	244	140274	271834	1,17	1
MP	Plug-in edge MEARIN Plus s. 6-R	1000	249	140276	271841	1,22	1
MP	Plug-in edge MEARIN Plus s. 7-R	1000	254	140278	271858	1,27	1
MP	Plug-in edge MEARIN Plus s. 8-R	1000	259	140280	271865	1,33	1
MP	Plug-in edge MEARIN Plus s. 9-R	1000	264	140282	271872	1,38	1
MP	Plug-in edge MEARIN Plus s. 10-R	1000	269	140284	271889	1,44	1
MP	Plug-in edge MEARIN Plus s. 1-L	1000	224	140286	271896	0,91	1
MP	Plug-in edge MEARIN Plus s. 2-L	1000	229	140288	271902	1,01	1
MP	Plug-in edge MEARIN Plus s. 3-L	1000	234	140290	271919	1,06	1
MP	Plug-in edge MEARIN Plus s. 4-L	1000	239	140292	271926	1,12	1
MP	Plug-in edge MEARIN Plus s. 5-L	1000	244	140294	271933	1,17	1
MP	Plug-in edge MEARIN Plus s. 6-L	1000	249	140296	271940	1,22	1
MP	Plug-in edge MEARIN Plus s. 7-L	1000	254	140298	271957	1,27	1
MP	Plug-in edge MEARIN Plus s. 8-L	1000	259	140300	271964	1,33	1
MP	Plug-in edge MEARIN Plus s. 9-L	1000	264	140302	271971	1,38	1
MP	Plug-in edge MEARIN Plus s. 10-L	1000	269	140304	271988	1,44	1

When using plug-in edge for silt boxes and 0.5 m channels, please contact our application engineering department.

MEARIN Plus 150 Slope plug-in edge

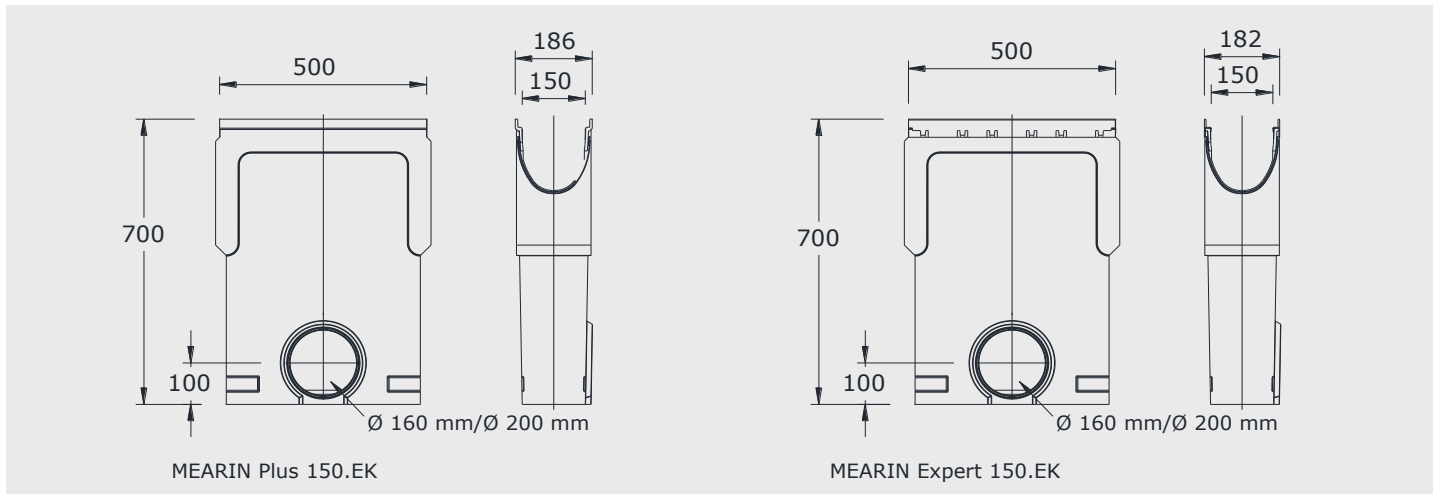


Remark

* From loading class D400 not suitable for cross drainage of high speed roads and motorways

MEARIN Plus 150 and MEARIN Expert 150 accessories

MEARIN Plus and Expert 150 silt boxes



Silt box for MEARIN Plus 150

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus 150.EK silt box made of polymer concrete, with GRP edge, for outlet connection Ø 160 mm or Ø 200 mm, incl. plastic sediment bucket	500	700	140536	275481	28,50	6

Silt box for MEARIN Expert 150

material group	product description	length [mm]	total height [mm]	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Expert 150.EK silt box made of polymer concrete, with galvanized steel edge, for outlet connector Ø 160 mm or Ø 200 mm, incl. plastic sediment bucket	500	700	140538	275498	28,50	6

MEARIN Plus/Expert sealing material¹⁾

material group	product description	material	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus/Expert sealing material in channel colour RAL 7044 - 310 ml	Silant. Polymer	140260	205426	0,60	1

1) Only for channels which drain rain water.

Not appropriate for e.g. fuel stations or other areas where channels are exposed to chemicals.

End cap for MEARIN Plus 150 channels with plug-in edges

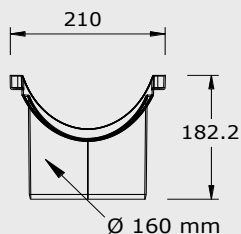
material group	product description	material	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	Plus 150 end cap closed for channel start and end, suitable for all channel heights	galv. steel	140704	276808	0,45	1

Remark

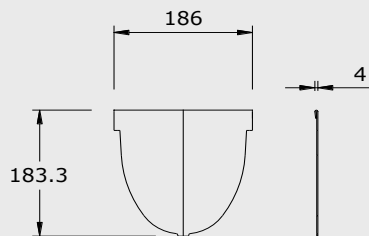
* From loading class D400 not suitable for cross drainage of high speed roads and motorways

MEARIN Plus 150 and MEARIN Expert 150 accessories

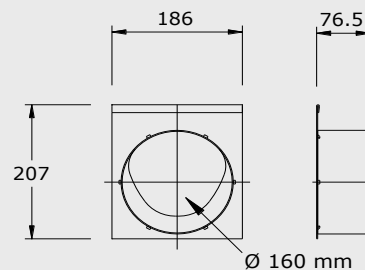
MEARIN Plus and Expert 150 accessories



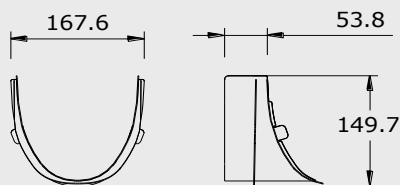
MEARIN Plus/Expert 150
vertical outlet connector Ø 160 mm



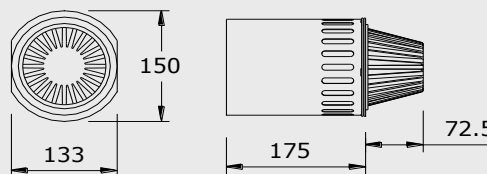
MEARIN Plus/Expert 150.SE
end cap closed



MEARIN Plus/Expert 150.ES
end cap Ø 160 mm for lateral and end connection



MEARIN Plus/Expert 150
adapter f. lateral connection



MEARIN Plus/Expert 150
roadable foul air trap

Connection accessories and end caps for MEARIN Plus/Expert 150

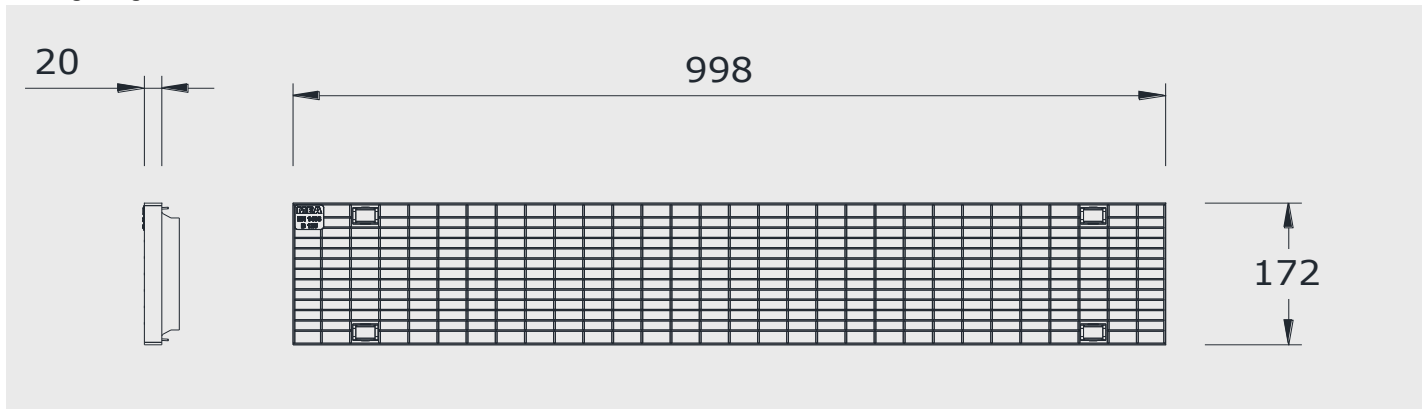
material group	product description	material	EDP-No. 010...	EAN-Code 4001990...	kg/unit	units/pallet
MP	MEARIN Plus/Expert 150.SE end cap closed for channel start and end	galv. steel	140540	276105	0,70	1
MP	MEARIN Plus/Expert 150.ES end cap with connector Ø 160 mm. for channel end and lateral outlet connection	galv. steel	140542	276112	0,60	1
MP	MEARIN Plus/Expert 150 and 200 vertical outlet connector Ø 160 mm	PP	140117	276198	0,14	1
MP	MEARIN Plus/Expert 150 adapter for lateral channel connector for corner, T- and cross connections	galv. steel	140544	276129	0,60	1
MP	MEARIN Plus/Expert 150 roadable foul air trap entials sediment dirt strainer and sediment bucket	PP/galv. steel	140546	276136	2,00	1

MEARIN Plus 150 and MEARIN Expert 150 STARFIX channel covers

With non-bolted STARFIX channel cover securement. Suitable for channel systems MEARIN PLUS 150 and MEARIN EXPERT 150.

For channel units and silt boxes. Total width of gratings 172mm.

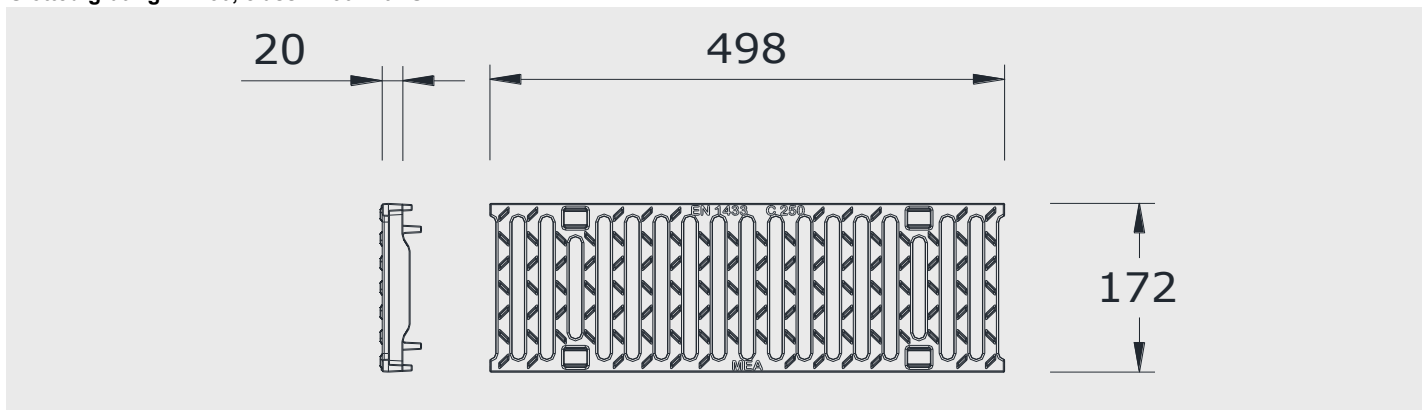
Mesh grating 30/10, class B125 with STARFIX



Class B125 to EN 1433, galvanized steel with STARFIX

material group	product description	material	length [mm]	EDP-No. 010...	EAN-Code 4001990...	Inlet sect. area Ø cm ² /m	kg/unit	units/pallet
MP	MEARIN Plus/Expert 150 mesh grating 30/10	galv. steel	1000	140548	276143	1200	10,00	30
MP	MEARIN Plus/Expert 150 mesh grating 30/10	galv. steel	500	140550	276150	1200	5,00	30

Slotted grating 12/150, class C250 with STARFIX



Class C250 to EN 1433, ductile iron with STARFIX

material group	product description	material	length [mm]	EDP-No. 010...	EAN-Code 4001990...	Inlet sect. area Ø cm ² /m	kg/unit	units/pallet
MP	MEARIN Plus/Expert 150 ductile iron slotted grating 12/150	ductile iron	500	140552	276167	618	5,70	104

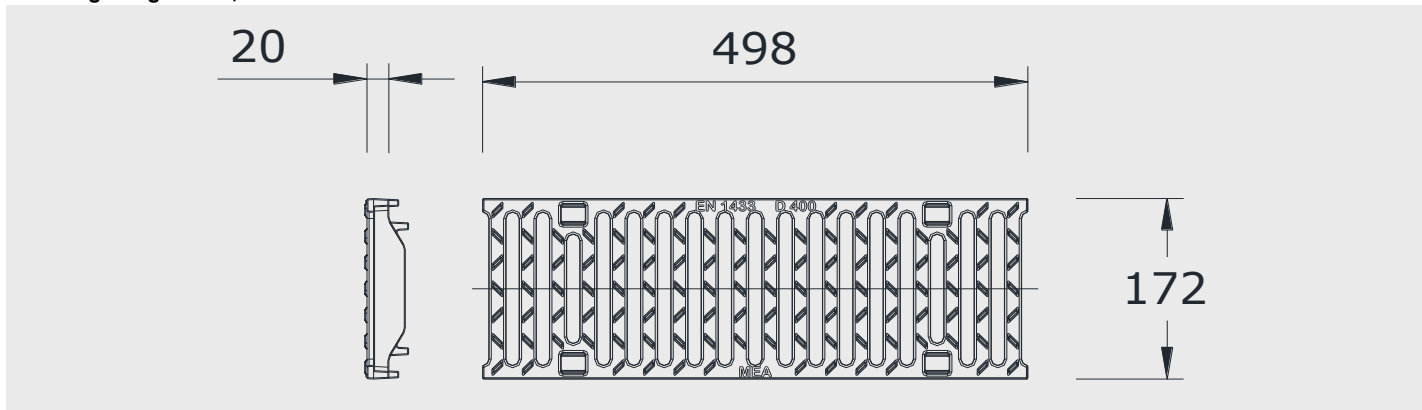
Remark

The surface coating of ductile iron parts only has a cosmetic function. Because of surface oxidation, ductile iron is even irresistible against environment influences (e.g. salt solutions for de-icing). Therefore, surface oxidation of ductile iron parts is not admitted as a complaint by MEA. Of course, the resignation of surface coating is in accordance with all corresponding standards.

MEARIN Plus 150 and MEARIN Expert 150 STARFIX channel covers

With non-bolted STARFIX channel cover securement. Suitable for channel systems **MEARIN PLUS 150** and **MEARIN EXPERT 150**.
For channel units and silt boxes. Total width of gratings 172mm.

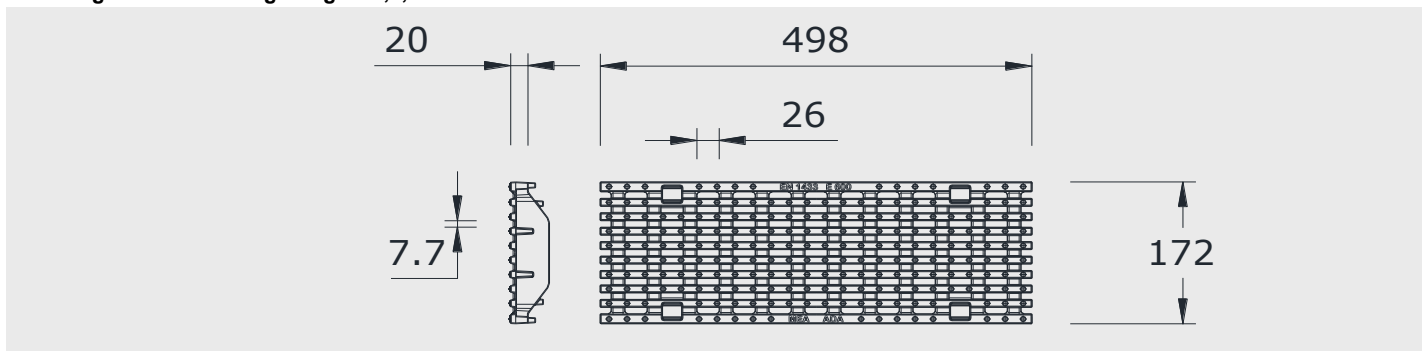
Slotted grating 12/150, class D400 with STARFIX



Class D400 to EN 1433, ductile iron with STARFIX

material group	product description	material	length [mm]	EDP-No. 010...	EAN-Code 4001990...	Inlet sect. area Ø cm ² /m	kg/unit	units/pallet
MP	MEARIN Plus/Expert 150 ductile iron slotted grating 12/150	ductile iron	500	140554	276174	618	6,50	104

ADA longitudinal slotted grating 26/7,7, class E600 with STARFIX



Class E600 to EN 1433, ductile iron with STARFIX

material group	product description	material	length [mm]	EDP-No. 010...	EAN-Code 4001990...	Inlet sect. area Ø cm ² /m	kg/unit	units/pallet
MP	MEARIN Expert 150 ADA longitudinal slotted grating 26/7,7	ductile iron	500	140556	276181	552	7,45	104

Remark

The surface coating of ductile iron parts only has a cosmetic function. Because of surface oxidation, ductile iron is even irresistible against environment influences (e.g. salt solutions for de-icing). Therefore, surface oxidation of ductile iron parts is not admitted as a complaint by MEA. Of course, the resignation of surface coating is in accordance with all corresponding standards.

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