

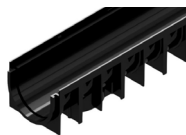


MUFLE®

2021 Pricelist

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Plastic drainage solutions

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Mufledrain Wing G
Drainage channel

Mufledrain Wing G – Plastic drainage channels

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Declaration of performance at:
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Mufledrain Wing G: The cast iron rail to challenge time

Mufledrain Wing G, a full product range of channels designed and produced by Mufle, dedicated to industrial areas, that, every day, are experienced by men and heavy vehicles intent on carrying out their fully productive activities.

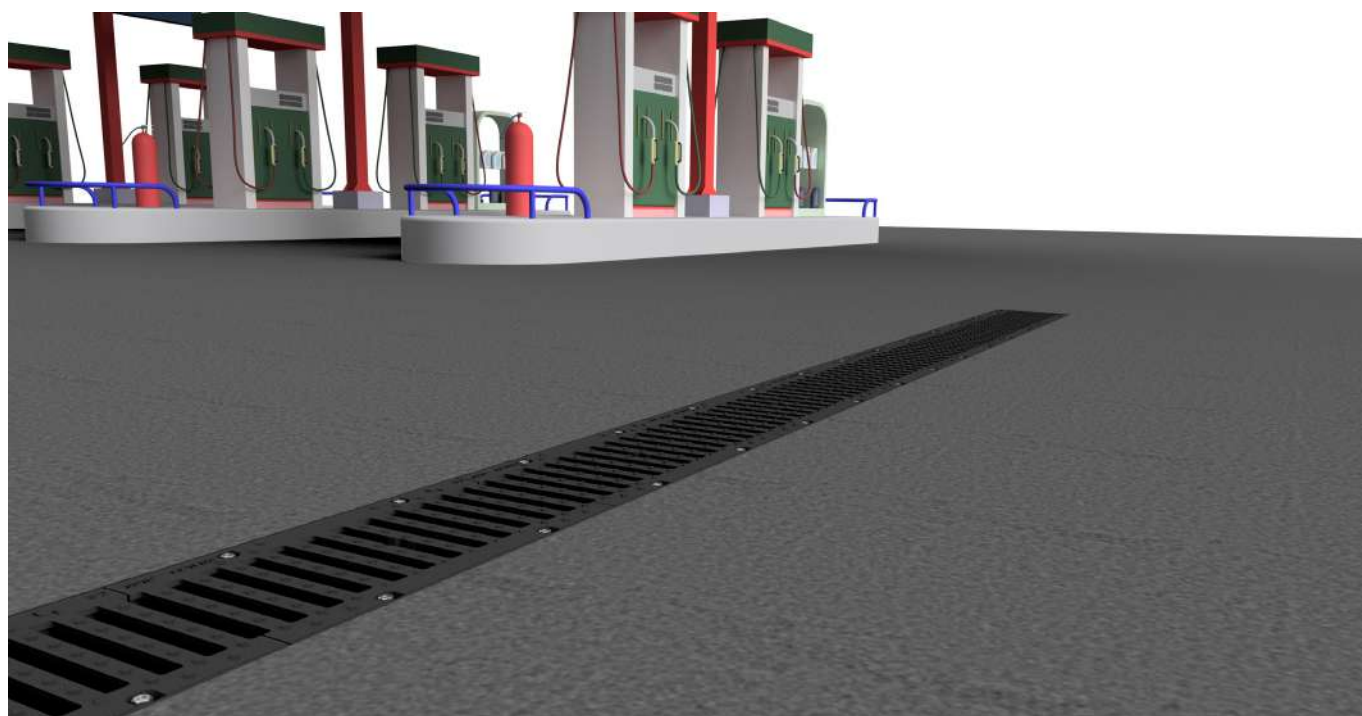
The channel body is completely made of HD-PE and the ductile iron rail is firmly integrated.

The ductile iron rail GJS 500/7 makes the **Mufledrain Wing G** unique; in addition to being extremely strong due to its generous thickness (6 mm) in the areas subject to vehicular traffic and in the support area of the grating, it is capable of challenging time with its intrinsic qualities of resistance both to traffic and atmospheric severe conditions.

The complete system is suitable and certified up to load class F 900. Gratings are stable in place thanks to 4 M8 nuts every 50 cm.

Typical applications

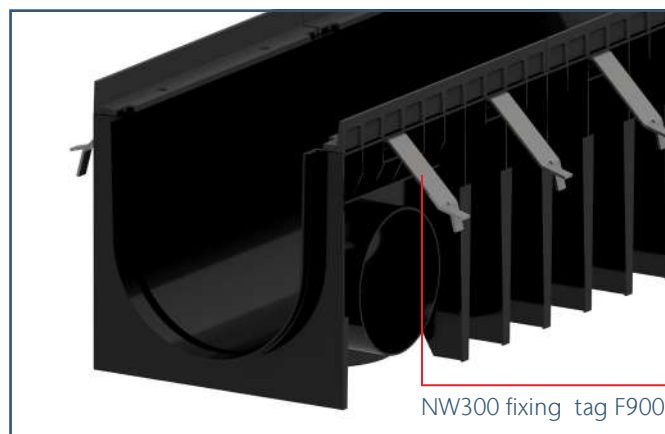
- Areas subject to loading/unloading of goods; container handling with transit of forklifts and truck
- Parking areas with high and constant traffic
- Roads and highways
- Viaducts
- Petrol stations
- Industrial areas
- Port and airport areas



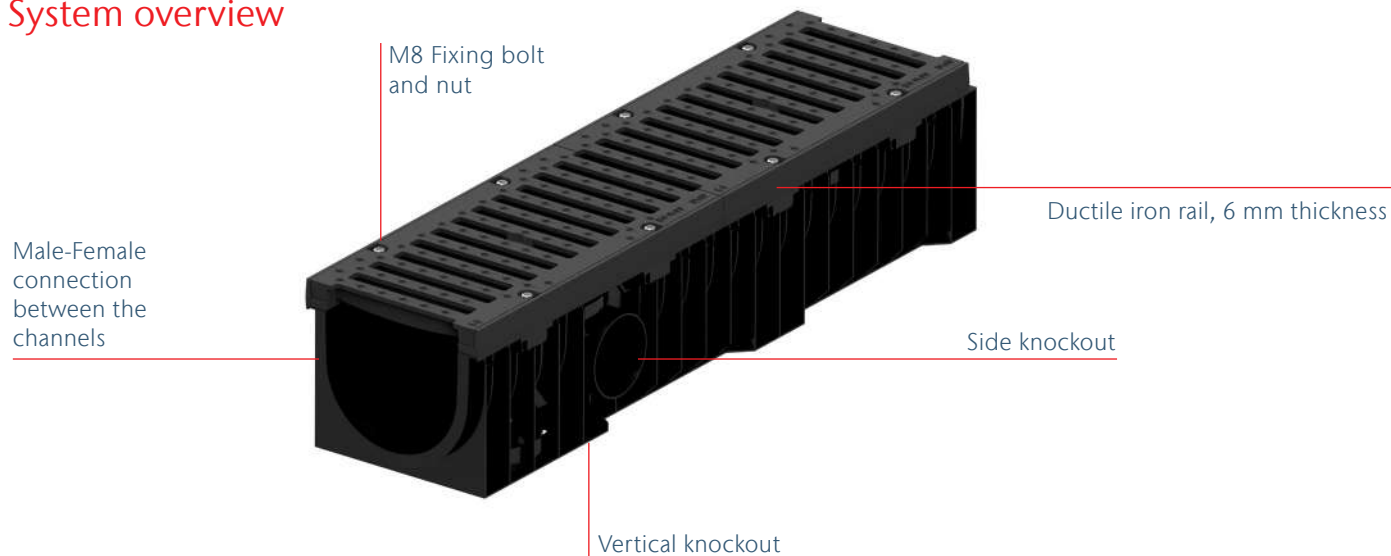
Main Features

- Plastic channel body certified for load class D400-F900 according to EN1433:2008
- Ductile iron rail
- 4 different nominal widths available: 100, 150, 200, 300 mm
- With vertical and lateral knockouts
- Sump unit with foul air trap*
- 4 bolts and nuts fixing system for each grating
- Special pieces for corners, "T" couplings and cross couplings are available on request

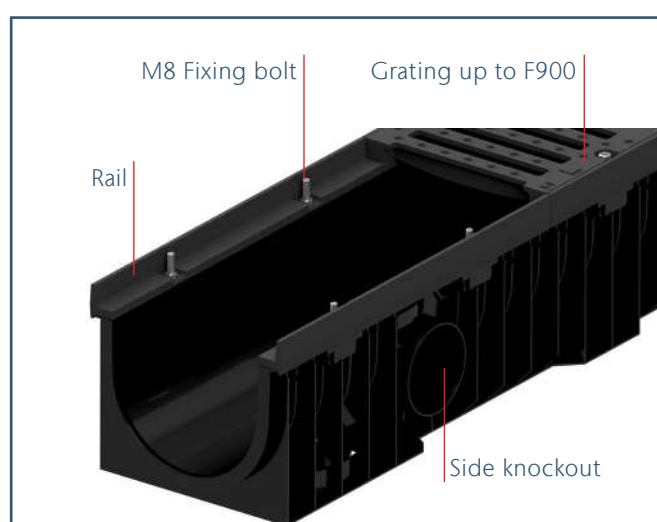
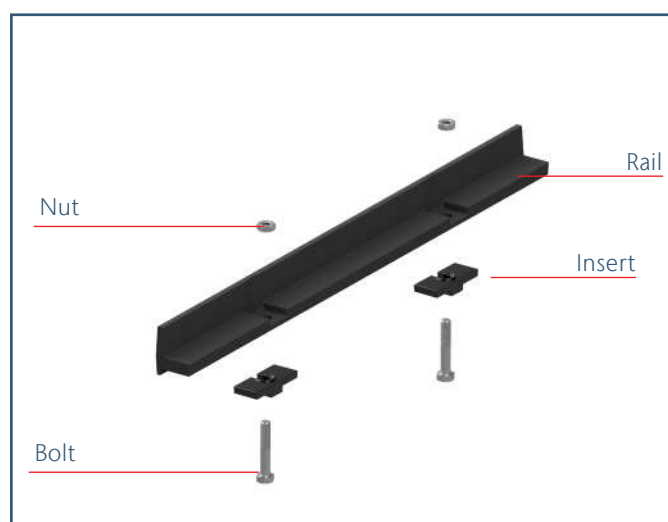
*Not available for Mufledrain Wing G 200 H=250 mm and Mufledrain Wing G 300 H=300 mm



System overview



Rail detail for channel internal width 100-150-200*



*For channel internal width 300, the insert is metallic.

Airsystem compost grating

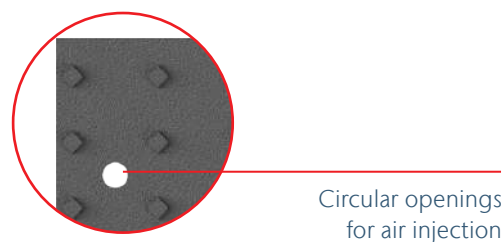
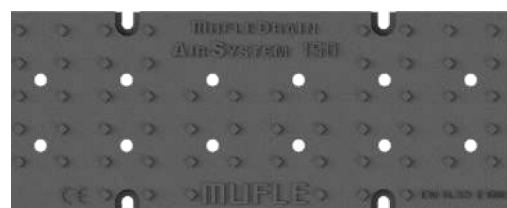
The AIRSYSTEM grating was developed together with the major construction companies specialized in large waste treatment plants. For these very special installations, it is necessary to convey big volumes of air into the rooms for the humid compounds treatment in order to ventilate and promote the aerobic composting processes.

The channel body, installed and integrated into the pavement, is the way to convey the air into the masses, while the gratings operates as real aerator.

The circular openings on the grating surface have the perfect geometry to inject air in the compost, at the same time, restrict the entry of percolating liquids inside the channel. The special “hook” connection, contains the pressure drop at the contact point between two following gratings.

In order to ensure the heavy work conditions in these special sites with all kinds of vehicles in transit on the drainage system, the Airsystem is tested for the load class E600. The gratings are fixed to the channels with 4 M8 bolts every 0,5 meter.

This system is available for 150mm clear width.



Mufledrain Wing G 100

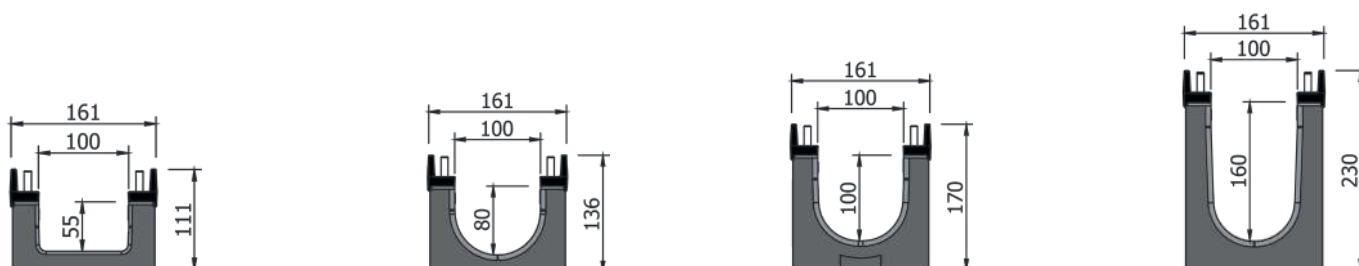
Product Information

- Plastic drainage channel, internal width: 100 mm
- Ductile iron rail
- Load classes: D 400 - F 900, according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H 55 and H 80 mm; knockout on all other sizes
- M8 Bolts fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



Mufledrain Wing G channel with ductile iron rail

Length 1000 mm, total width 161 mm

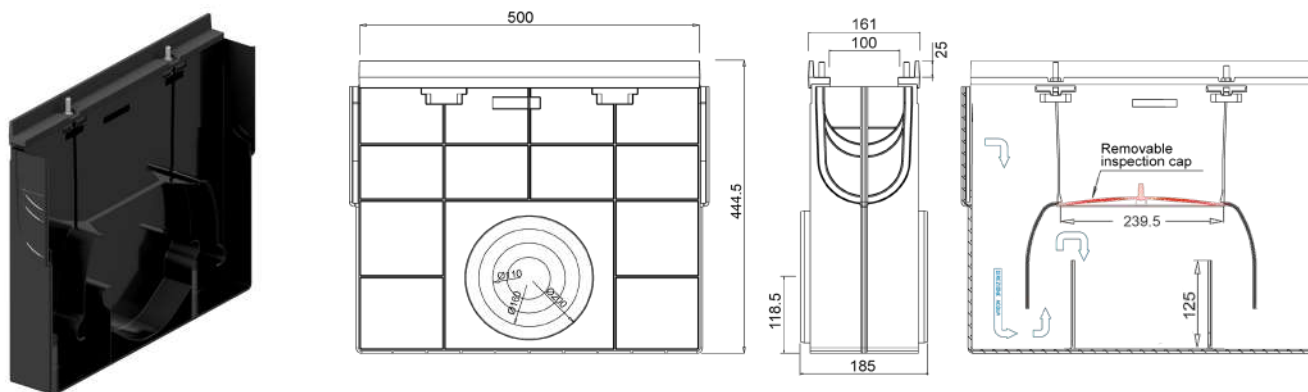


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Ductile iron	
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number	Euro/Pc
Channel with vertical outlet kit Ø100/110							
111	55	2 x Ø40	1 x Ø100/110	7,80	84	703024	50,00
136	80	2 x Ø63	1 x Ø100/110	8,00	70	703025	50,85
Channel with vertical outlet Ø110							
170	100	2 x Ø63	1 x Ø110	8,30	56	703026	53,65
230	160	2 x Ø110	1 x Ø110	8,80	42	703027	55,30

Mufledrain Wing G 100 channel accessories

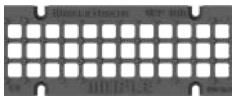
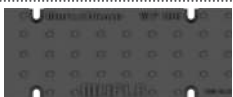
Image	Description	For channel internal height [mm]	Material	Article number	Euro/Pc
	Closed end-cap	55	PE	700508	2,00
		80	PE	700509	2,00
		100	PE	700510	2,25
		160	PE	700511	2,35
	Ø40 outlet end-cap	55	PE	700500	2,00
	Ø50 outlet end-cap	80	PE	700521	2,00
	Ø75 outlet end-cap	100	PE	700522	2,35
		160	PE	700523	2,35
	Vertical outlet KIT Ø100	55/80	PE	506114	2,35
	Vertical outlet KIT Ø110	55/80	PE	506115	2,60
	Step connectors from 100 mm to 160 mm	-	Composit	700516	30,90

Mufledrain Wing G 100 sump unit with ductile iron rail



Description	Material	Height	Width	Length	Ø Side Outlet	Weight	Ductile Iron	
		[mm]	[mm]	[mm]			Article number	Euro/Pc
Sump unit with female-female connection	PE	444,5	161	500	2 x Ø110 2 x Ø160 2 x Ø200	8,90	703050	49,35

Mufledrain Wing G 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/Pc
D 400								
	Ductile iron square mesh	M8 nuts (not included)	148	498	22,5 x 22,5	4,80	503182	18,75
	Ductile iron slot 20	M8 nuts (not included)	148	498	82 x 20	4,75	503109	18,10
E 600								
	Ductile iron slot 20	M8 nuts (not included)	148	498	82 x 20	5,10	503110	19,60
	Ductile iron solid top cover	M8 nuts (not included)	148	498	-	6,00	503105	22,50
F 900								
	Ductile iron slot 20	M8 nuts (not included)	148	498	82 x 20	6,30	503173	24,50

Mufledrain Wing G 100 grating accessories

Description	Material	Valid for	Article number	Euro/Pc
M8 nuts	Galvanized steel	Mufledrain Wing G 100 ductile iron gratings	503312 ⁽¹⁾	2,70

⁽¹⁾Valid for 1 meter of channel

Mufledrain Wing G 150

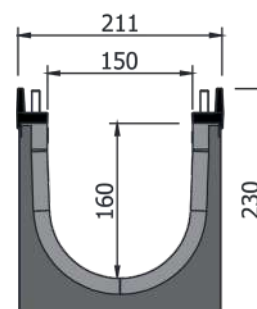
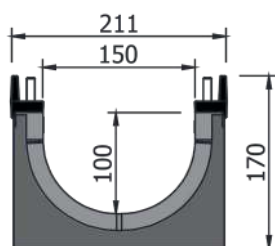
Product Information

- Plastic drainage channel, internal width: 150 mm
- Ductile iron rail
- Load classes: D 400 - F 900, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



Mufledrain Wing G 150 channel with ductile iron rail

Length 1000 mm, total width 211 mm

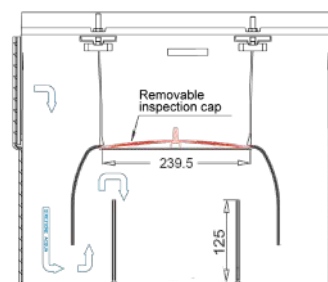
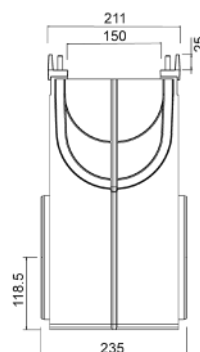
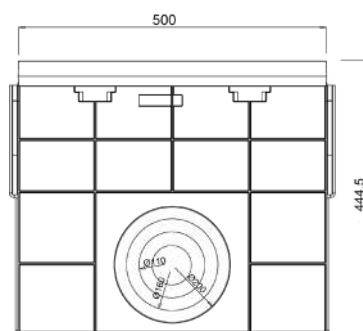


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Ductile iron	
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number	Euro/Pc
Channel with vertical outlet Ø110/160							
170	100	2 x Ø63	1 x Ø110/160	8,70	40	703028	53,65
230	160	2 x Ø100	1 x Ø110/160	9,25	30	703029	55,30

Mufledrain Wing G 150 channel accessories

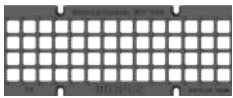
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700512	2,35
		160	PE	700513	2,35
	Ø75 outlet end-cap	100	PE	700524	2,35
	Ø110 outlet end-cap	160	PE	700505	2,35
	Step connectors from 100 mm a 160 mm	-	Composit	700517	33,50

Mufledrain Wing G 150 sump unit with ductile iron rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø Side outlet [mm]	Ductile Iron		
						Article number	Weight	Euro/pc
Sump unit with female-female connection	PE	444,5	211	500	2xØ110 2xØ160 2xØ200	703051	9,18	52,50

Mufledrain Wing G 150 channel gratings

Image	Description	Fixing system	Width [mm]	Lenght [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
D 400								
	Ductile iron square mesh	M8 bolt (not included)	198	498	27 x 27	6,95	503183	28,95
	Ductile iron slot 20	M8 nuts (not included)	198	498	132 x 20	7,10	503112	28,25
E 600								
	Ductile iron slot 20	M8 nuts (not included)	198	498	132 x 20	7,50	503113	31,00
	Ductile iron solid top cover	M8 nuts (not included)	198	498	-	10,60	503106	39,75
	Ductile iron airtight system	M8 nuts (not included)	198	498	-	10,50	503100	39,50
F 900								
	Ductile iron slot 20	M8 nuts (not included)	198	498	132 x 20	8,50	503174	33,35

Mufledrain Wing G 150 grating accessories

Description	Material	Valid for	Article number	Euro/Pc
M8 nuts	Galvanized steel	Mufledrain Wing G 150 ductile iron gratings	503312 ⁽¹⁾	2,70

⁽¹⁾Valid for 1 meter of channel

Mufledrain Wing G 200

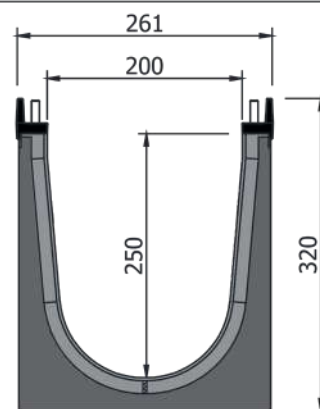
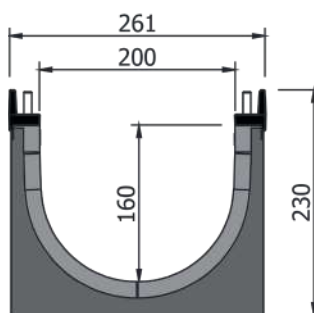
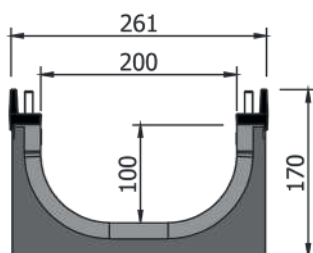
Product Information

- Plastic drainage channel, internal width: 200 mm
- Ductile iron rail
- Load classes: D 400 - F 900, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



Mufledrain Wing G 200 channel with ductile iron rail

Length 1000 mm, total width 261 mm

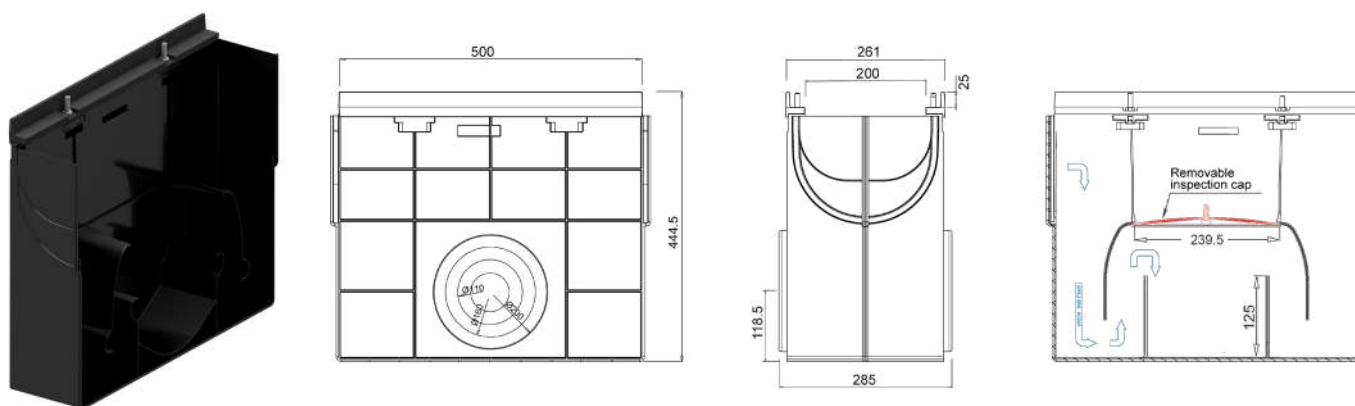


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Ductile iron	
						Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pz]			
Channel with vertical outlet Ø200/160							
170	100	2 x Ø63	1 x Ø200/160	9,05	32	703030	56,25
230	160	2 x Ø110	1 x Ø200/160	9,65	24	703031	57,95
320	250	2 x Ø160/200	1 x Ø200/160	11,20	16	703032	63,90

Mufledrain Wing G 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700514	2,70
		160	PE	700515	3,00
	Ø75 outlet end-cap	100	PE	700526	2,70
	Ø110 outlet end-cap	160	PE	700507	2,70
	Closed end-cap with Ø160 knockout	250	PE	502416	4,95
	Step connectors from 100 mm to 160 mm	-	Composit	700519	36,25
	Step connectors from 160 mm to 250 mm	-	Composit	700518	37,85

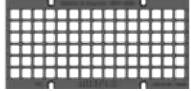
Mufledrain Wing G 200 sump unit with ductile iron rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø Side Outlet [mm]	Weight [kg/pc]	Ductile iron	
							Article number	Euro/pc
Sump unit with female-female connection	PE	444,5	261	500	2xØ110 2xØ160 2xØ200	9,40	703052 ⁽¹⁾	54,20

⁽¹⁾It is not designed for connection to H250 channels

Mufledrain Wing G 200 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/Mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
D 400								
	Ductile iron square mesh	M8 bolt (not included)	248	498	24 x 25	8,50	503184	32,95
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	8,20	503115	32,95
	Ductile iron slot 20 for drainage asphalt	M8 nuts (not included)	248	498	158 x 20 + 34 x 20	11,50	503181	44,20
E 600								
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	9,70	503116	37,50
	Ductile iron solid top cover	M8 nuts (not included)	248	498	-	12,00	503107	45,00
F 900								
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	10,50	503175	41,25

Mufledrain Wing G 200 grating accessories

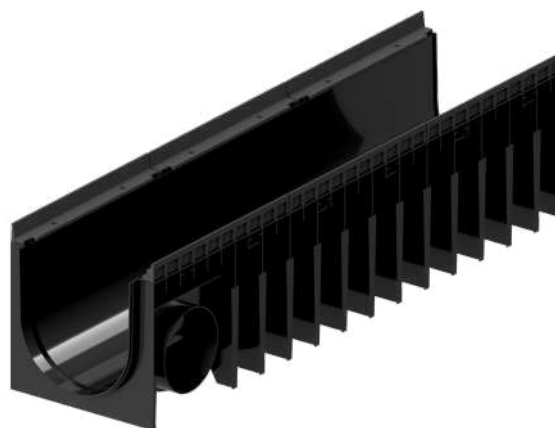
Description	Material	Valid for	Article number	Euro/Pc
M8 Nuts	Galvanized steel	Mufledrain Wing G 200 ductile iron gratings	503312 ⁽¹⁾	2,70

⁽¹⁾Valid for 1 meter of channel

Mufledrain Wing G 300

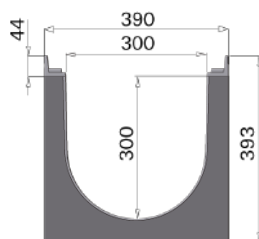
Product information

- Plastic drainage channel, internal width: 300 mm
- Ductile iron rail
- Load classes: D 400 - F 900, according to EN 1433 norm
- Side and vertical knockouts
- M10 fixing system for gratings
- Ideal for drainage of large surface



Mufledrain Wing G 300 channel with ductile iron rail

Length 1500 mm, total width 390 mm



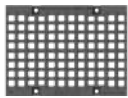
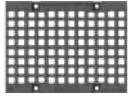
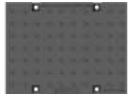
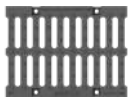
Total height	Internal height	Ø side outlet	Ø vertical outlet	Type of rail	Weight	Pieces/pallet	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]		[kg/pc]			
393	300	2 x Ø200	1 x Ø160/200	Ductile iron	20,90	10*	503018	107,55

(*) 6 pieces for F900 type.

Accessories for Mufledrain Wing G 300 Channel

Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	300	Galvanized steel	503411	33,85
	Ø200 outlet end-cap	300	Galvanized steel	503412	109,15

Mufledrain Wing G 300 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
D 400								
	Ductile iron square mesh	M10 Nuts (not included)	376	498	25 x 25	18,70	503118	74,00
E 600								
	Ductile iron square mesh	M10 Nuts (not included)	376	498	25 x 25	21,50	503119	82,80
	Ductile iron solid top cover	M10 Nuts (not included)	376	498	-	26,00	503104	97,45
F900								
	Ductile iron slot 24	M10 Nuts and fixing tag F900 (not included)	376	498	130 x 24	21,50	503120 ⁽¹⁾	99,10

⁽¹⁾ Fixing tag F900 is needed to reach F900 load class and it is suggested in others heavy installations

Mufledrain Wing G 300 gratings accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Blind nut M10	Galvanized steel	Mufledrain Wing G 300 ductile iron gratings	503310 ⁽²⁾	6,20
		Stainless steel	Mufledrain Wing G 300 ductile iron gratings	503311 ⁽²⁾	9,45
	Fixing tag F900 (12 pcs)	Galvanized steel	Mufledrain Wing G 300 F900 ductile iron gratings (assembled before shipment)	540012	106,80

⁽²⁾ Valid for 1,5 meter of channel

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Mufledrain Wing
Drainage channel

Mufledrain Wing – Plastic drainage channels

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Mufledrain Wing 150	Channel body	P. 25
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	Sump unit	P. 26
	Gratings	P. 27
Mufledrain Wing 200	Channel body	P. 28
	Channel accessories	P. 29
	Sump unit	P. 29
	Gratings	P. 30



Declaration of performance at:
www.mufle.com

Mufledrain Wing: safety of the steel rail and bolted locking system

Mufledrain Wing is the Mufle range of products designed for industrial and infrastructural areas, where the activities (loading and unloading of goods, transit of heavy vehicles, etc.) require the highest performance features.

The channel body, completely made of HD-PE, is equipped with a galvanized steel rail, suitable and certified up to the F 900 load class.

The rail, perfectly anchored to the channel body, has a thickness of 4 mm in the area subject to the traffic effects and a thickness of 2 mm to support for the grating area. Four M8 Bolts for every 50 cm fix the gratings to the channel body.

The fixing system also gives the name to this product range where B, stays for bolt, in the number of 4 per grating.

Typical applications

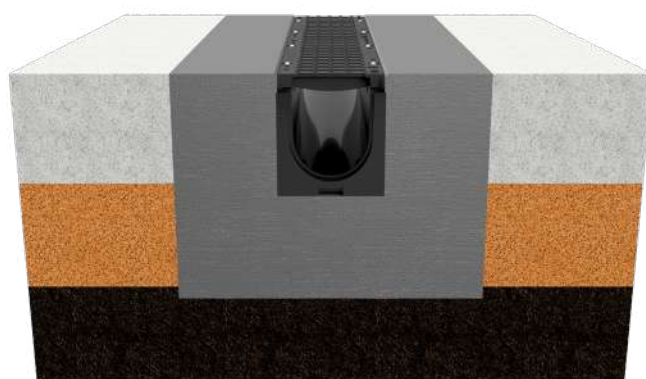
- Areas subject to loading / unloading of goods; container handling with transit of forklifts and trucks.
- Parking areas with high and constant traffic
- Roads and highways
- Viaducts
- Petrol stations
- Industrial areas
- Port and airport areas.



Main Features

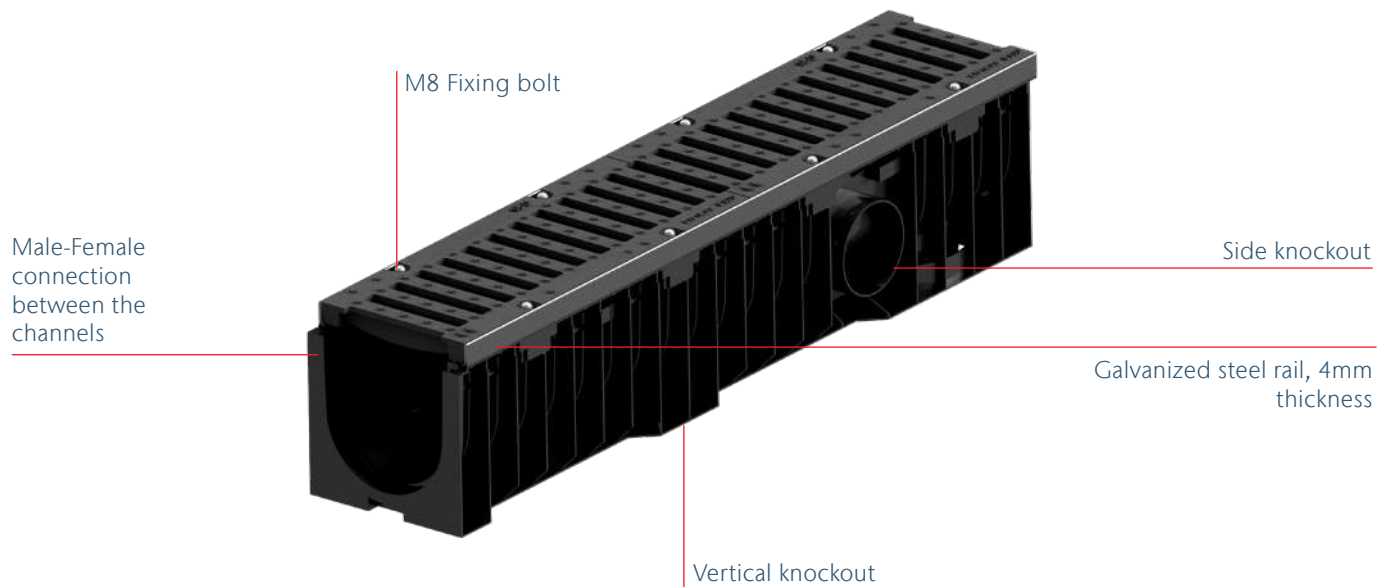
- Plastic channel body certified for load class C 250 - F 900 according to EN 1433: 2008
- Galvanized steel rail
- 3 different nominal widths available: 100, 150, 200 mm
- With vertical and lateral knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Sump unit with foul air trap*
- 4 bolts fixing system for each grating
- Special pieces for corners, "T" couplings and cross couplings are available

*Not available for Mufledrain Wing 200 H=250 mm and Mufledrain Wing 300 H=300 mm



Example of installation

System overview



Drainage asphalt grating

Mufledrain Wing drainage asphalt grating

Cast iron grating, load class D400 designed for road and motorway installations where the use of drainage asphalt is planned.

With its particular design with a raised edge of 5cm, the grating exceeds the limit of standard gratings whereby water is only captured from the upper part of the same.

By placing the grating at the same level as the ground level, both the water that flows on the surface and that coming from the deep layers of the drainage pavements are collected.

The result is a correct and safe disposal of flows for modern and increasingly safer infrastructures.



Mufledrain Wing 100

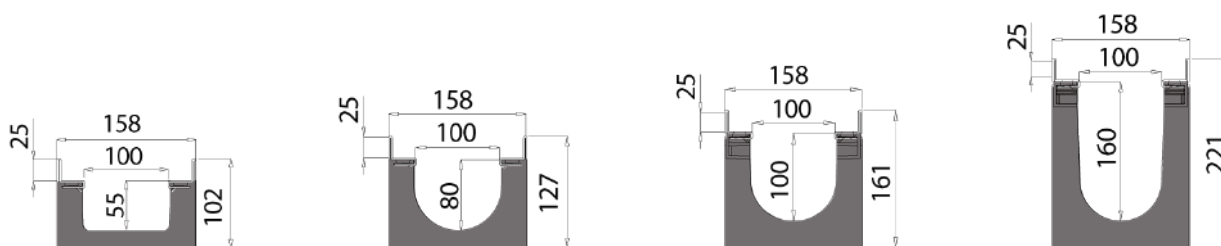
Product Information

- Plastic drainage channel, internal width: 100 mm
- Galvanized steel rail
- Load classes: C 250 - F 900, according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H 55 and H 80 mm; knockout on all other sizes
- M8 bolts fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



Mufledrain Wing 100 channel with galvanized Steel rail

Length 1000 mm, total width 158 mm

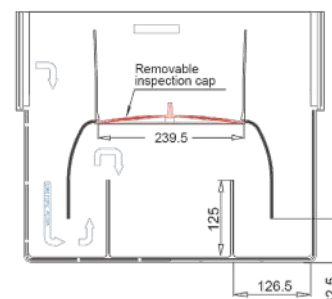
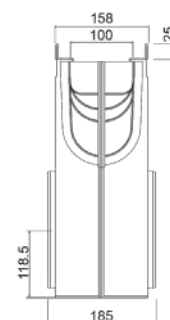
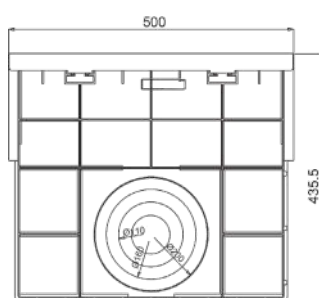


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Galvanized steel	
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number	Euro/Pc
Channel with vertical outlet kit Ø100/110							
102	55	2 x Ø40	1 x Ø100/110	3,90	84	703003	19,95
127	80	2 x Ø63	1 x Ø100/110	4,10	70	703002	20,30
Channel with vertical outlet knockout Ø110							
161	100	2 x Ø63	1 x Ø110	4,40	56	703001	22,35
221	160	2 x Ø110	1 x Ø110	4,90	42	703000	23,55

Mufledrain Wing 100 channel accessories

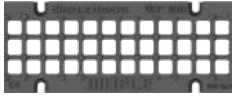
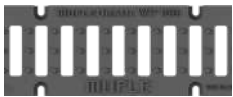
Image	Description	For channel internal height [mm]	Material	Article number	Euro/Pc
	Closed end-cap	55	PE	700508	2,00
		80	PE	700509	2,00
		100	PE	700510	2,25
		160	PE	700511	2,35
	Ø40 outlet end-cap	55	PE	700500	2,00
	Ø50 outlet end-cap	80	PE	700521	2,00
	Ø75 outlet end-cap	100	PE	700522	2,35
		160	PE	700523	2,35
	Vertical outlet KIT Ø100	55/80	PE	506114	2,35
	Vertical outlet KIT Ø110	55/80	PE	506115	2,60
	Step connectors from 100 mm to 160 mm	-	Composit	700516	30,90

Mufledrain Wing 100 sump unit with galvanized steel rail



Description	Material	Height	Width	Length	Ø side outlet	Weight	Galvanized steel	
		[mm]	[mm]	[mm]			Article number	Euro/Pc
Sump unit with female-female connection	PE	435,5	158	500	2xØ110 2xØ160 2xØ200	3,75	703016	45,20

Mufledrain Wing 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/Pc
C250								
	Ductile iron slot 20	M8 bolt (not included)	148	498	82 x 20	4,65	503108	15,85
D 400								
	Ductile iron square mesh	M8 nuts (not included)	148	498	22,5 x 22,5	4,80	503182	18,75
	Ductile iron slot 20	M8 nuts (not included)	148	498	82 x 20	4,75	503109	18,10
E 600								
	Ductile iron slot 20	M8 nuts (not included)	148	498	82 x 20	5,10	503110	19,60
	Ductile iron solid top cover	M8 nuts (not included)	148	498	-	6,00	503105	22,50
F 900								
	Ductile iron slot 20	M8 nuts (not included)	148	498	82 x 20	6,30	503173	24,50

Mufledrain Wing 100 grating accessories

Description	Material	Valid for	Article Number	Euro/Pc
M8 x 40 Black flanged hex head bolt	Galvanized steel	Mufledrain Wing 100 ductile iron grating	503312 ⁽¹⁾	2.70

⁽¹⁾Valid for 1 meter of channel

Mufledrain Wing 150

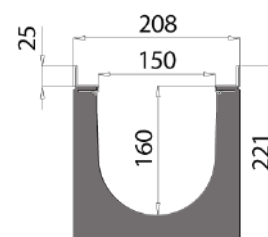
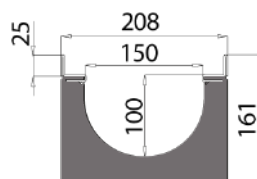
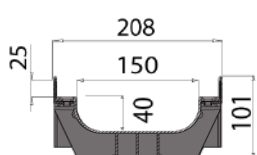
Product Information

- Plastic drainage channel, internal width: 150 mm
- Galvanized steel rail
- Load classes: C 250 - F 900, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



Mufledrain Wing 150 channel with galvanized steel rail

Length 1000 mm, total width 208 mm

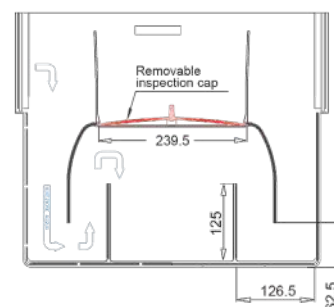
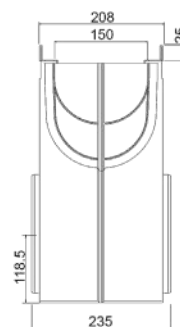
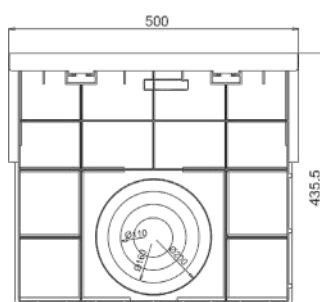


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Galvanized steel	
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number	Euro/Pc
Channel with vertical outlet Ø100							
101	40	2 x Ø50	1 x Ø100	4,70	40	503008	25,45
Channel with vertical outlet Ø110							
161	100	2 x Ø63	1 x Ø110/160	4,80	40	703005	25,45
221	160	2 x Ø100	1 x Ø110/160	5,35	30	703004	26,95

Mufledrain Wing 150 channel accessories

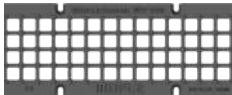
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700512	2,35
		160	PE	700513	2,35
	Ø75 outlet end-cap	100	PE	700524	2,35
	Ø110 outlet end-cap	160	PE	700505	2,35
	Step connectors from 100 mm a 160 mm	-	Composit	700517	33,50

Mufledrain Wing 150 sump unit with galvanized steel rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Galvanized steel		
						Article number	Weight	Euro/pc
Sump unit with female-female connection	PE	435,5	208	500	2xØ110 2xØ160 2xØ200	703017	3,70	48,90

Mufledrain Wing 150 channel gratings

Image	Description	Fixing system	Width [mm]	Lenght [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
C 250								
	Ductile iron slot 20	M8 bolt (not included)	198	498	132 x 20	5,90	503111	23,50
D 400								
	Ductile iron square mesh	M8 bolt (not included)	198	498	27 x 27	6,95	503183	28,95
	Ductile iron slot 20	M8 nuts (not included)	198	498	132 x 20	7,10	503112	28,25
E 600								
	Ductile iron slot 20	M8 nuts (not included)	198	498	132 x 20	7,50	503113	31,00
	Ductile iron solid top cover	M8 nuts (not included)	198	498	-	10,60	503106	39,75
	Ductile iron airtight system	M8 nuts (not included)	198	498	-	10,50	503100	39,50
F 900								
	Ductile iron slot 20	M8 nuts (not included)	198	498	132 x 20	8,50	503174	33,35

Mufledrain Wing 150 grating accessories

Description	Material	Valid for	Article number	Euro/Pc
M8 x 40 black flanged hex head bolt	Galvanized steel	Mufledrain Wing 150 ductile iron grating	503312 ⁽¹⁾	2,70

⁽¹⁾Valid for 1 meter of channel

Mufledrain Wing 200

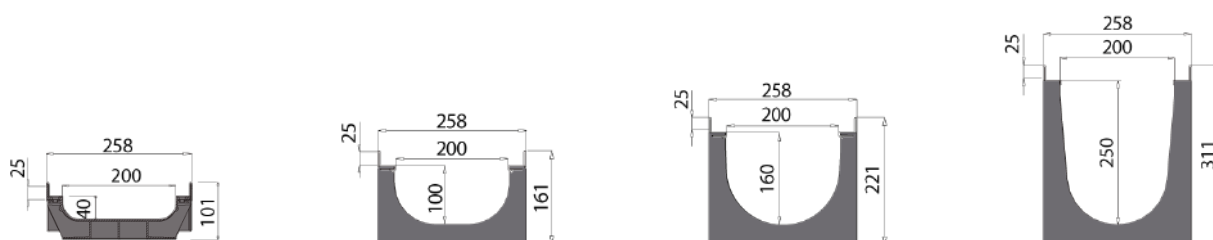
Product Information

- Plastic drainage channel, internal width: 200 mm
- Galvanized steel rail
- Load classes: C 250 - F 900, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



Mufledrain Wing 200 channel with galvanized steel rail

Length 1000 mm, total width 258 mm

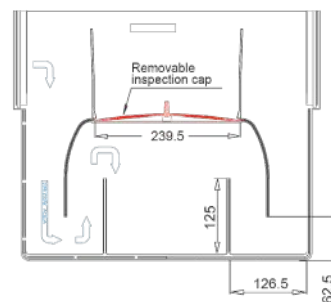
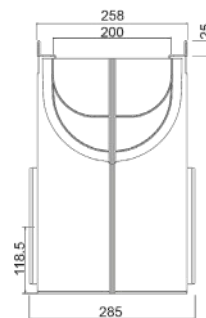
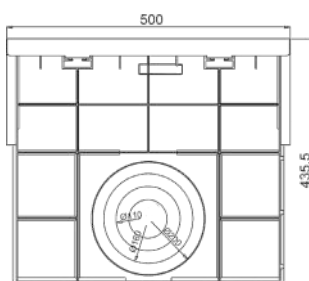


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Galvanized steel	
[mm]	[mm]	[mm]	[mm]	[kg/pz]		Article number	Euro/pc
Channel with vertical outlet Ø100							
101	40	2 x Ø50	1 x Ø100	4,90	32	503014	26,60
Channel with vertical outlet Ø200/160							
161	100	2 x Ø63	1 x Ø200/160	5,15	32	703007	26,60
221	160	2 x Ø110	1 x Ø200/160	5,75	24	703006	29,10
311	250	2 x Ø160/200	1 x Ø200/160	7,50	16	503025	37,25

Mufledrain Wing 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700514	2,70
		160	PE	700515	3,00
	Ø75 outlet end-cap	100	PE	700526	2,70
	Ø110 outlet end-cap	160	PE	700507	2,70
	Closed end-cap with Ø160 knockout	250	PE	502416	4,95
	Step connectors from 100 mm to 160 mm	-	Composit	700519	36,25
	Step connectors from 160 mm to 250 mm	-	Composit	700518	37,85

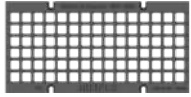
Mufledrain Wing 200 sump unit with galvanized steel rail



Description	Material	Height	Width	Length	Ø side outlet	Weight	Galvanized steel	
		[mm]	[mm]	[mm]	[mm]	[kg/pc]	Article number	Euro/pc
Sump unit with female-female connection	PE	435,5	258	500	2xØ110 2xØ160 2xØ200	4,20	703018 ⁽¹⁾	50,90

⁽¹⁾It is not designed for connection to H250 channels

Mufledrain Wing 200 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
C 250								
	Ductile iron slot 20	M8 bolt (not included)	248	498	182 x 20	7,00	503114	27,45
D 400								
	Ductile iron square mesh	M8 bolt (not included)	248	498	24 x 25	8,50	503184	32,95
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	8,20	503115	32,95
	Ductile iron slot 20 for drainage asphalt	M8 nuts (not included)	248	498	158 x 20 + 34 x 20	11,50	503181	44,20
E 600								
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	9,70	503116	37,50
	Ductile iron solid top cover	M8 nuts (not included)	248	498	-	12,00	503107	45,00
F 900								
	Ductile iron slot 20	M8 nuts (not included)	248	498	182 x 20	10,50	503175	41,25

Mufledrain Wing 200 grating accessories

Description	Material	Valid for	Article number	Euro/Pc
M8 x 40 Black flanged hex head bolt	Galvanized steel	Mufledrain Wing 200 ductile iron grating	503312 ⁽¹⁾	2,70

⁽¹⁾Valid for 1 meter of channel

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3

Mufledrain Smart
Drainage channel

Mufledrain Smart – Plastic drainage channels

Mufledrain Smart 100	Channel	P. 36
	Accessories	P. 37
	Sump unit	P. 37
	Gratings and accessories	P. 38
Mufledrain Smart 150	Channel	P. 39
	Accessories	P. 40
	Sump unit	P. 40
	Gratings and accessories	P. 41
Mufledrain Smart 200	Channel	P. 42
	Accessories	P. 43
	Sump unit	P. 43
	Gratings and accessories	P. 44



Declaration of performance:
www.mufle.com

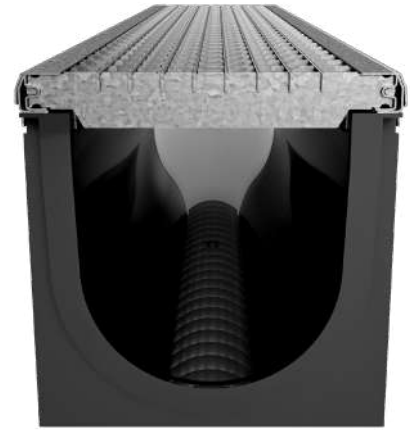
Mufledrain Smart: steel rail safety

The **Mufledrain Smart** drainage system represents the perfect answer for the civil, industrial and infrastructural application needs. The versatility of these channels is a consequence of its steel rail (galvanized or stainless steel), necessary to improve the load distribution coming from the pavement surface or from underground forces. At the same time, it is the perfect protection for the complete system from all the forces coming from the surrounding areas.

The 2,5mm rail thickness in the traffic exposure area and 1,2 mm thickness in the grating support area, grants a C250 load class certification. The fixing system consists of 2 bars and bolts per each single meter.



The steel rail is 20 mm high and 2.5 mm thick in the area exposed to vehicle transit. It holds the gratings and helps in an easy installation of the channel system.

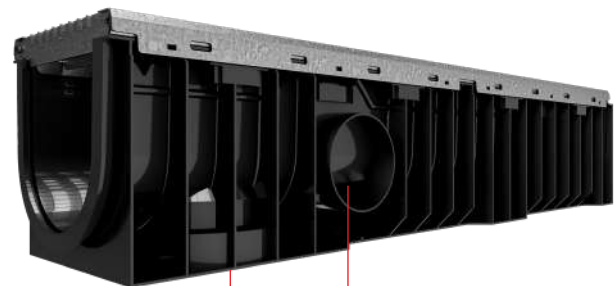


Typical applications

- Private parking
- Sidewalks
- Access to ramps in underground floors
- Roadside drainage systems
- Parking areas
- Other applications for load class C250

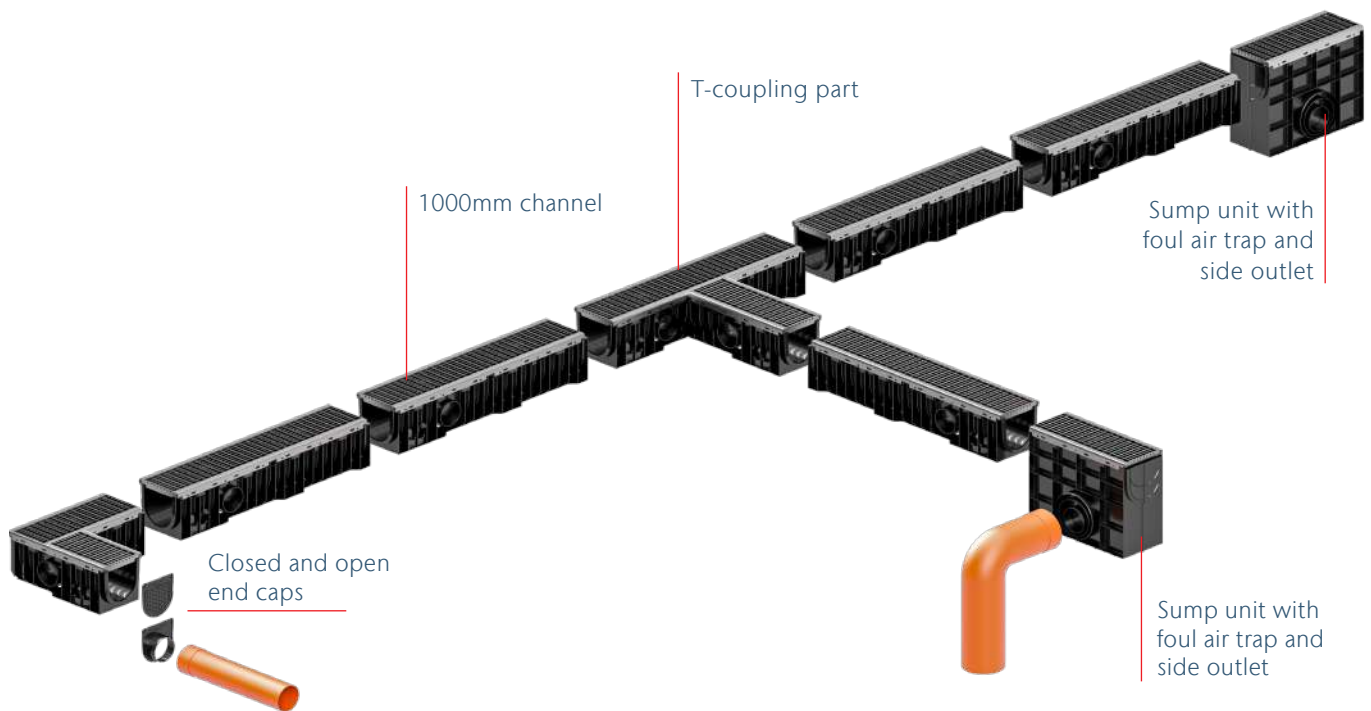
Main features

- The channel body is completely made of plastic, certified for load class A15, B125 and C250 according to EN 1433: 2008
- Galvanized steel and stainless steel rail are standard for this product
- Available in three different nominal widths: 100, 150, 200 mm
- With vertical and lateral knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Sump unit with foul air trap
- Specific fixing systems on each grating.
- Special pieces for corners, "T" couplings and cross couplings are available



Vertical and lateral knockouts

System overview



Mufledrain Smart is available:

- With three different widths: from 100, 150 and 200 mm
- With two low height versions 55 mm and 80 mm for the channel internal width 100 mm.



Mufledrain Smart 100

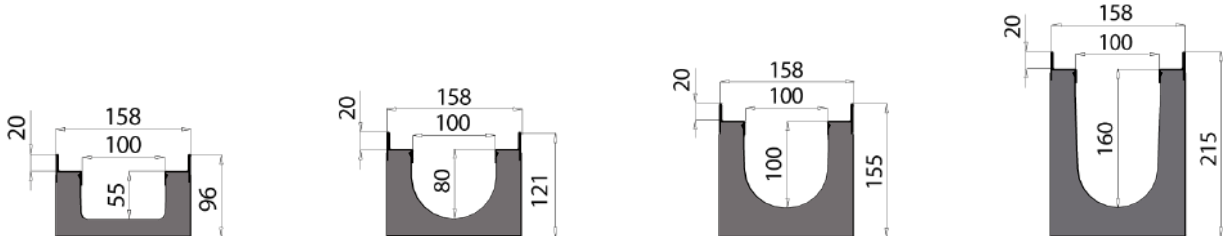
Product information

- Plastic body channel, internal width: 100 mm
- Galvanized steel and stainless steel rail
- For load classes: B 125 and C 250, according to EN 1433 norm
- Equipped with sump unit and foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H 55 and H 80 mm; knockout on all other sizes
- Bolt and bar fixing system for the gratings
- Special parts for corners, T-couplings and cross-couplings available



Mufledrain Smart 100 channel with galvanized and stainless steel rail

Length 1000 mm, total width 158 mm

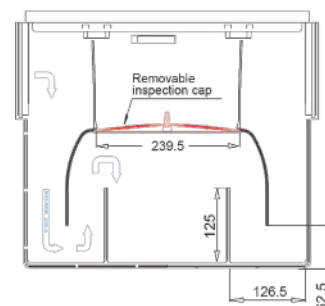
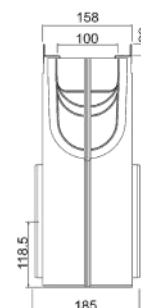
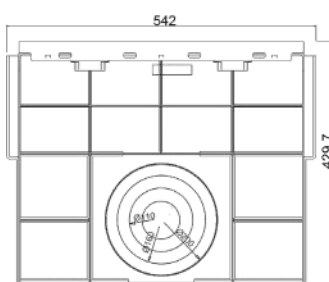


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Galvanized steel		Stainless steel	
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number	Euro/pc	Article number	Euro/pc
Channel with vertical outlet kit Ø100/110									
96	55	2 x Ø40	1 x Ø100/110	3,10	84	701003	15,05	701011	35,05
121	80	2 x Ø63	1 x Ø100/110	3,30	70	701002	15,50	701010	35,70
Channel with vertical outlet Ø110									
155	100	2 x Ø63	1 x Ø110	3,60	56	701001	17,80	701009	38,35
215	160	2 x Ø110	1 x Ø110	4,10	42	701000	18,90	701008	40,00

Mufledrain Smart 100 channel accessories

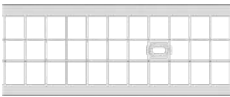
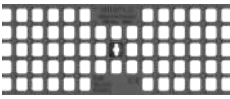
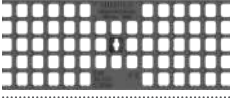
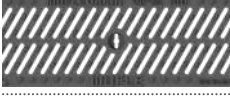
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	55	PE	700508	2,00
		80	PE	700509	2,00
		100	PE	700510	2,25
		160	PE	700511	2,35
	Ø40 outlet end-cap	55	PE	700500	2,00
	Ø50 outlet end-cap	80	PE	700521	2,00
	Ø75 outlet end-cap	100	PE	700522	2,35
		160	PE	700523	2,35
	KIT Ø100 vertical outlet	55/80	PE	506114	2,35
	KIT Ø110 vertical outlet	55/80	PE	506115	2,60
	Step connectors from 100 mm to 160 mm	-	Composit	700516	30,90

Mufledrain Smart 100 sump unit with galvanized/stainless steel rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø Side Outlet [mm]	Weight [kg/pz]	Galvanized Steel		Stainless Steel	
							Article number	Euro/pc	Article number	Euro/pc
Sump unit with female-female connection	PE	429,7	158	500	2xØ110 2xØ160 2xØ200	3,35	701016	42,30	701019	63,70

Mufledrain Smart 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	3,60	502126	26,50
	Stainless steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	3,60	502150	93,10
	Galvanized steel square mesh	Bolt and bar (not included)	148	998	32,2 x 32,2	2,90	502127	24,20
	Stainless steel square mesh	Bolt and bar (not included)	148	998	32,2 x 32,2	2,90	502157	87,70
	Ductile iron mesh	Bolt and bar (not included)	148	498	21,5 x 17,5	3,40	502112	14,85
	Polyamide 16 mm slot	Bolt and bar (not included)	148	498	82 x 16	0,80	502307	11,40
C 250								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	5,10	502152	35,55
	Stainless steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	5,10	502175	134,20
	Ductile iron mesh	Bolt and bar (not included)	148	498	21,5 x 17,5	3,80	502115	15,40
	Ductile iron 7 mm slot	Bolt and bar (not included)	148	498	57 x 7	4,10	502105	19,95
	Ductile iron 20 mm slot	Bolt and bar (not included)	148	498	82 x 20	3,60	502113	14,40
	Polyamide 16 mm slot	Bolt and bar (not included)	148	498	82 x 16	1,30	502308	14,00

Mufledrain Smart 100 grating accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	Mufledrain Smart 100 galvanized steel gratings	500421 ⁽¹⁾	1,85
		Stainless steel	Mufledrain Smart 100 stainless steel gratings	500422 ⁽¹⁾	6,05
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	Mufledrain Smart 100 ductile iron gratings	500423 ⁽¹⁾	2,65

⁽¹⁾Valid for 1 meter of channel

Mufledrain Smart 150

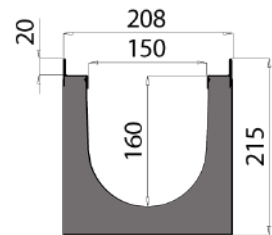
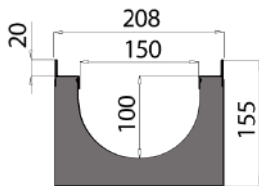
Product information

- Plastic drainage channel, internal width: 150 mm
- Galvanized Steel and stainless steel rail
- For load classes: B 125 – C 250, according to EN 1433 norm
- Equipped with sump unit and foul air trap
- Side and vertical knockouts
- Bolt and bar fixing system for gratings
- Availability of special parts for corners, T-couplings and cross-couplings



Mufledrain Smart 150 channel with galvanized/stainless steel rail

Length 1000 mm, total width 208 mm



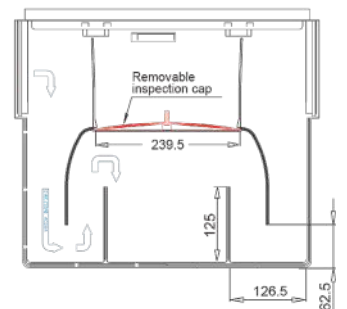
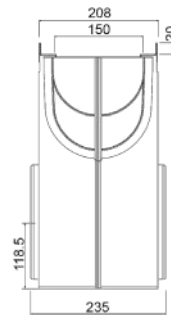
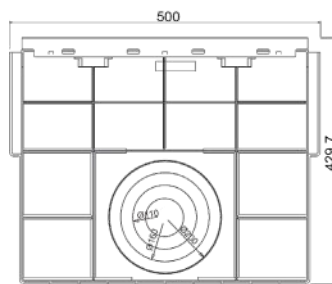
Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Galvanized steel		Stainless steel	
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number	Euro/pc	Article number	Euro/pc
155	100	2 x Ø63	1 x Ø110/160	4,00	40	701005	20,60	701013	40,80
215	160	2 x Ø110	1 x Ø110/160	4,55	30	701004	22,15	701012	42,80

Channel with vertical outlet Ø110/160

Mufledrain Smart 150 channel accessories

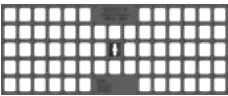
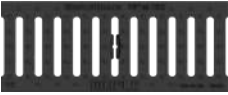
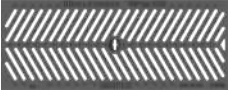
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700512	2,35
		160	PE	700513	2,35
	Ø75 outlet end-cap	100	PE	700524	2,35
	Ø110 outlet end-cap	160	PE	700505	2,35
	Step connectors from 100 mm to 160 mm	-	Composit	700517	33,50

Mufledrain Smart 150 sump unit with galvanized/stainless steel rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø Side Outlet [mm]	Weight [kg/pc]	Galvanized Steel		Stainless Steel	
							Article number	Euro/pc	Article number	Euro/pc
Sump unit with female-female connection	PE	429,7	208	500	2xØ110 2xØ160 2xØ200	3,70	701017	46,40	701020	67,65

Mufledrain Smart 150 channel gratings

Image	Description	Fixing System	Width [mm]	Length [mm]	Slot/Mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	5,30	502130	36,25
	Stainless steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	5,00	502158	128,10
	Galvanized steel square mesh	Bolt and bar (not included)	198	998	32,2 x 32,2	4,10	502131	33,30
	Stainless steel square mesh	Bolt and bar (not included)	198	998	32,2 x 32,2	4,10	502159	123,10
	Ductile iron mesh	Bolt and bar (not included)	198	498	29 x 24,5	4,90	502118	19,50
	Polyamide 16mm slot	Bolt and bar (not included)	198	498	132 x 16	1,70	502302	16,00
C 250								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	7,50	502154	50,95
	Stainless steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	7,50	502177	167,00
	Ductile iron 7mm slot	Bolt and bar (not included)	198	498	81 x 7	5,97	502196	25,50
	Ductile iron 20mm slot	Bolt and bar (not included)	198	498	132 x 20	5,30	502120	20,50
	Polyamide 16mm slot	Bolt and bar (not included)	198	498	132 x 16	2,35	502303	20,50

Mufledrain Smart 150 grating accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	Mufledrain Smart 150 galvanized steel gratings	500424 ⁽¹⁾	2,45
		Stainless steel	Mufledrain Smart 150 stainless steel gratings	500425 ⁽¹⁾	10,05
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	Mufledrain Smart 150 ductile iron gratings	500426 ⁽¹⁾	3,40

⁽¹⁾Valid for 1 meter of channel

Mufledrain Smart 200

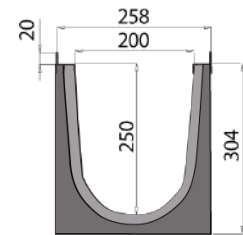
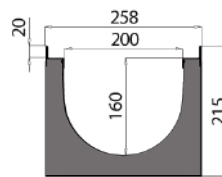
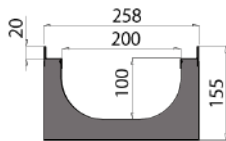
Product information

- Plastic drainage channel, internal width: 200 mm
- Galvanized steel or stainless steel rail
- For load classes: B 125 – C 250, according to EN 1433 norm
- Equipped with sump unit and foul air trap
- Side and vertical knockouts
- Bolt and bar fixing system for gratings
- Availability of special parts for corners, T-couplings and cross-couplings



Mufledrain Smart 200 channel with galvanized/stainless steel rail

Length 1000 mm, total width 258 mm

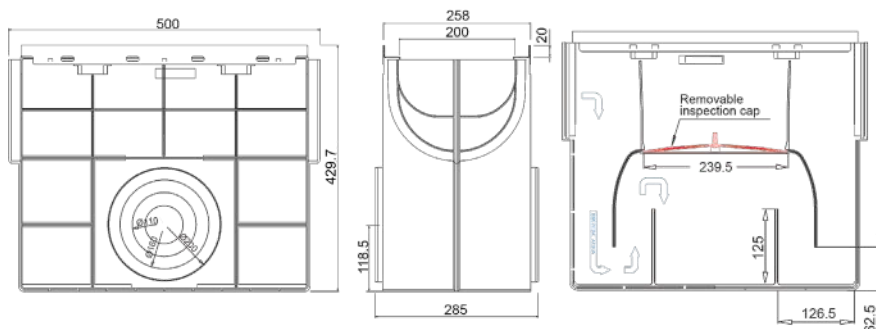


Total Height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Galvanized steel		Stainless steel	
						Article number	Euro/pc	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pc]					
Channel with vertical outlet Ø200/160									
155	100	2 x Ø63	1 x Ø200/160	4,35	32	701007	23,35	701015	42,25
215	160	2 x Ø110	1 x Ø200/160	4,95	24	701006	25,70	701014	45,30
304	250	2 x Ø160/200	1 x Ø200/160	6,30	16	701022	35,00	701023	57,05

Mufledrain Smart 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700514	2,70
		160	PE	700515	3,00
	Ø75 outlet end-cap	100	PE	700526	2,70
	Ø110 outlet end-cap	160	PE	700507	2,70
	Closed end-cap with Ø160 knockout	250	PE	502416	4,95
	Step connectors from 100 mm to 160 mm		Composit	700519	36,25
	Step connectors from 160 mm to 250 mm	-	Composit	700518	37,85

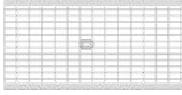
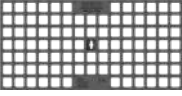
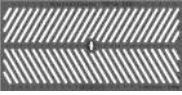
Mufledrain Smart 200 sump unit with galvanized/stainless steel rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Weight [kg/pc]	Galvanized steel		Stainless steel	
							Article number	Euro/pc	Article number	Euro/pz
Sump unit with female-female connection	PE	429,7	258	500	2xØ110 2xØ160 2xØ200	3,85	701018 ⁽¹⁾	48,40	701021 ⁽¹⁾	69,80

⁽¹⁾Not valid for channel height 250

Mufledrain Smart 200 channel gratings

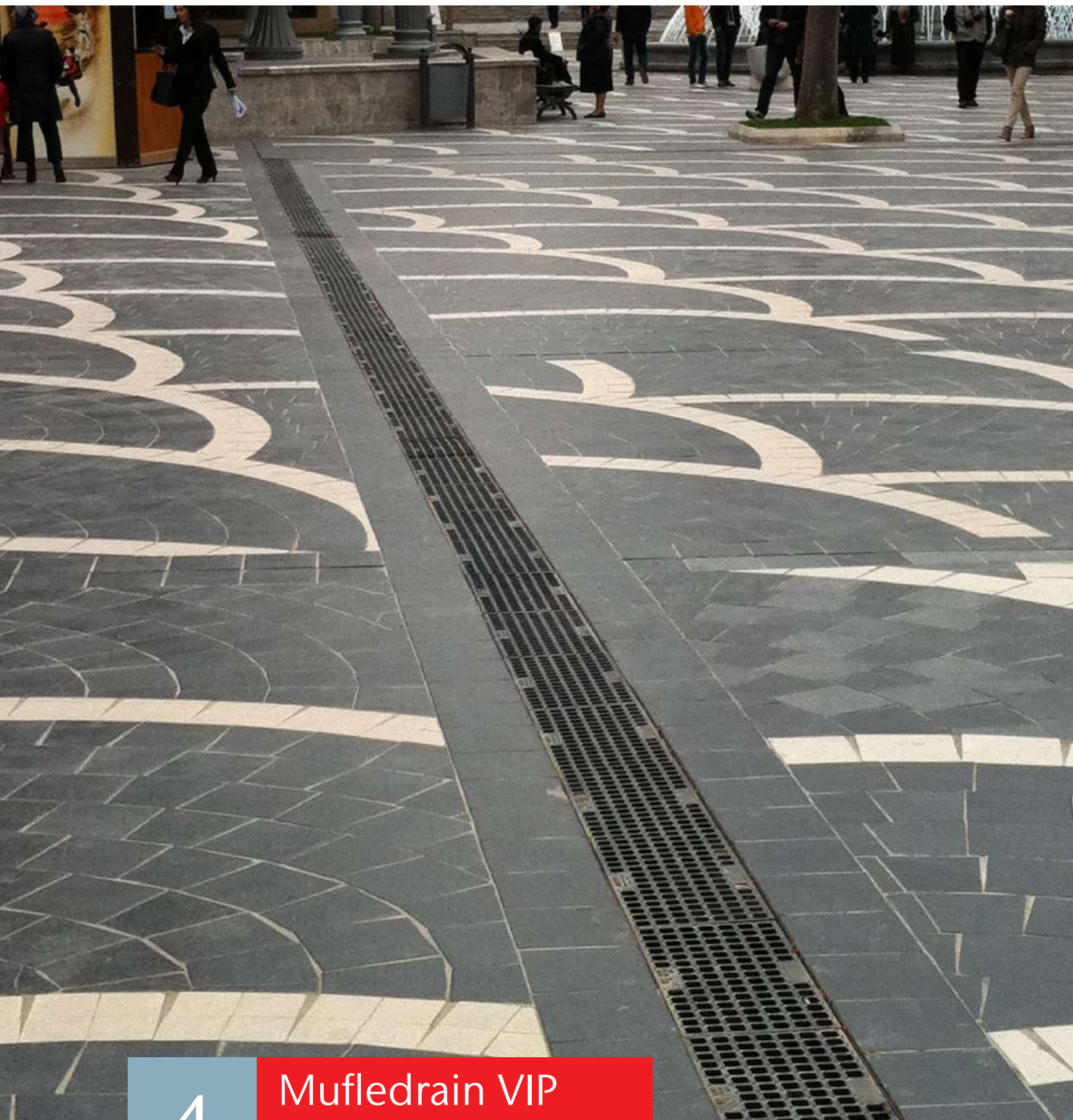
Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/Mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	6,20	502134	43,70
	Stainless steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	6,20	502160	152,95
	Galvanized steel square mesh	Bolt and bar (not included)	248	998	32,2 x 32,2	5,20	502135	39,50
	Stainless steel square mesh	Bolt and bar (not included)	248	998	32,2 x 32,2	5,20	502161	145,60
	Ductile iron grating mesh	Bolt and bar (not included)	248	498	25,5 x 24,5	6,25	502122	24,75
C 250								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	9,50	502156	61,70
	Stainless steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	9,50	502179	204,35
	Ductile iron 7mm slot	Bolt and bar (not included)	248	498	107 x 7	7,70	502195	30,35
	Ductile iron 20mm Slot	Bolt and bar (not included)	248	498	180 x 20	7,00	502124	27,45

Mufledrain Smart 200 grating accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	Mufledrain Smart 200 galvanized steel gratings	500427 ⁽¹⁾	2,65
		Stainless steel	Mufledrain Smart 200 stainless steel gratings	500428 ⁽¹⁾	10,00
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	Mufledrain Smart 200 ductile iron gratings	500429 ⁽¹⁾	3,80

⁽¹⁾Valid for 1 meter of channel

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4

Mufledrain VIP
Drainage channel

Mufledrain VIP – Plastic drainage channels

Mufledrain VIP 100	Channel	P. 50
	Accessories	P. 51
	Sump unit	P. 51
	Gratings and accessories	P. 52
Mufledrain VIP 150	Channel	P. 54
	Accessories	P. 55
	Sump unit	P. 55
	Gratings and accessories	P. 56
Mufledrain VIP 200	Channel	P. 58
	Accessories	P. 59
	Sump unit	P. 59
	Gratings and accessories	P. 60
Mufledrain VIP 300	Channel	P. 61
	Accessories	P. 61
	Gratings and accessories	P. 62



Declaration of performance:
www.mufle.com

Flexibility of the channel system, wide variety of gratings

Mufledrain VIP is a practical and flexible drainage system. The channel body is completely made of high-density polyethylene with an inbuilt rail that ensures protection to the gratings, even without steel.

The large range of gratings makes it possible to customize the drainage line; different designs and, multiple material like galvanized steel, stainless steel, ductile iron, PP-PE and polyamide are all available.

L-shaped SlotTops are available on request.

This product range is particularly suitable for civil applications, pedestrian areas and private parking areas.

Mufledrain VIP 300, with an internal width of 300 mm and 1.5 meters length, is the best solution for large surface drainage applications.

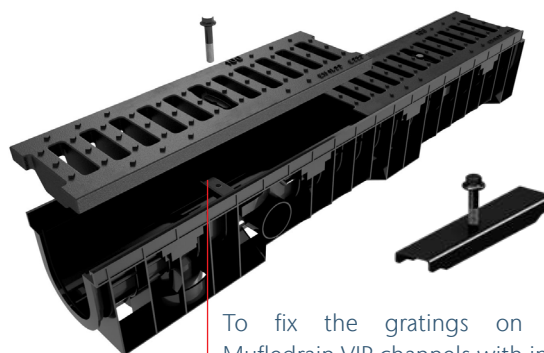


The 20 mm high HD-PE Rail (35 mm for Mufledrain VIP 300) contains and limits the grating, making it easier and comfortable to install.



Main Features

- The channel body is completely made of plastic, certified for load class A 15, B 125 and C 250 according to EN 1433: 2008
- With HD-PE integrated rail
- 4 different nominal widths: 100, 150, 200, 300 mm
- With vertical and lateral knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H 55 and H 80 mm
- Sump unit with foul air trap
- Galvanized/stainless steel brickslots available on request
- Bolt and bar fixing system for the gratings
- Special parts for corners, T-couplings and Cross-couplings available



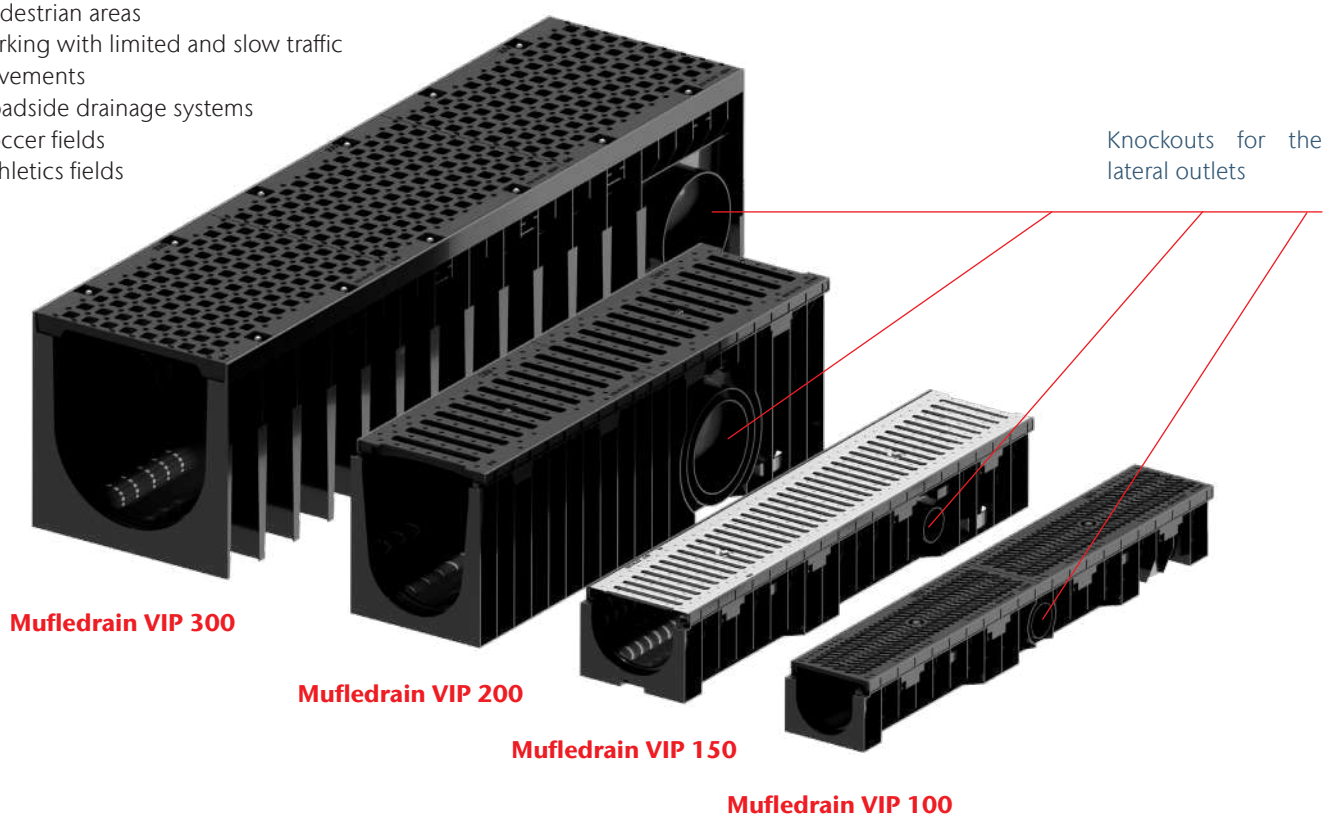
To fix the gratings on the Mufledrain VIP channels with internal width 100, 150 and 200 mm, you will need one bar and bolt every half meter of channel.

To fix the grating on the Mufledrain VIP 300 channels, you will need 4 nuts for every half meter of channel.

Mufledrain VIP

Typical applications

- Residential areas
- Pedestrian areas
- Parking with limited and slow traffic
- Pavements
- Roadside drainage systems
- Soccer fields
- Athletics fields



Polyamide grating detail



Mufledrain VIP 100

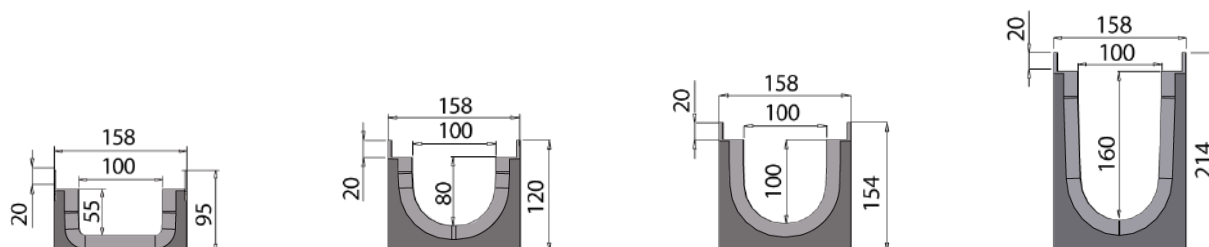
Product information

- Plastic drainage channel, internal width: 100 mm
- HD-PE rail
- For load classes: A 15, B 125 and C 250, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H 55 and H 80 mm; knockouts on all other sizes
- Wide range of gratings
- Galvanized/stainless steel brickslots available on request
- Bolt and bar fixing system for the gratings
- Special parts for corners, T-couplings and cross-couplings are available



Mufledrain VIP 100 channel

Length 1000 mm, total width 158 mm

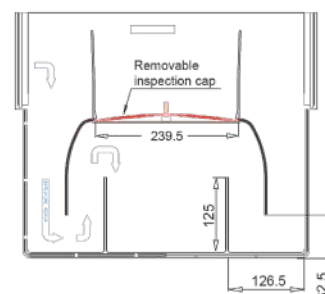
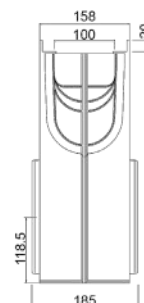
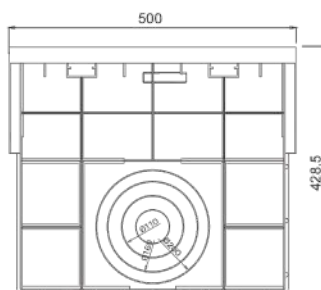


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pc]			
Channel with vertical outlet kit Ø100/110							
95	55	2 x Ø40	1 x Ø100/110	1,56	84	702010	5,90
120	80	2 x Ø63	1 x Ø100/110	1,70	70	702009	6,65
Channel with vertical outlet Ø110							
154	100	2 x Ø63	1 x Ø110	2,05	56	702001	8,70
214	160	2 x Ø110	1 x Ø110	2,55	42	702000	9,75

Mufledrain VIP 100 channel accessories

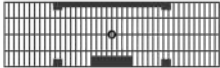
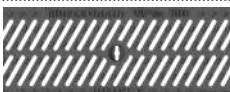
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	55	PE	700508	2,00
		80	PE	700509	2,00
		100	PE	700510	2,25
		160	PE	700511	2,35
	Ø40 outlet end-cap	55	PE	700500	2,00
	Ø50 outlet end-cap	80	PE	700521	2,00
	Ø75 outlet end-cap	100	PE	700522	2,35
		160	PE	700523	2,35
	KIT Ø100 vertical outlet	55/80	PE	506114	2,35
	KIT Ø110 vertical outlet	55/80	PE	506115	2,60
	Step connectors from 100 mm to 160 mm	-	Composit	700516	30,90

Mufledrain VIP 100 sump unit with PE rail



Description	Material	Height	Width	Length	Ø side outlet	Weight	Article number	Euro/pc
		[mm]	[mm]	[mm]	[mm]	[kg/pc]		
Sump unit with female-female connection	PE	428,5	158	500	2xØ110 2xØ160 2xØ200	2,60	702006	29,10

Mufledrain VIP 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
Pedestrian								
	PP-PE mesh	Lateral plastic hook	148	498	34 x 8.5	0,44	502103	3,00
A 15								
	Galvanized steel slot	Bolt and bar (not included)	148	998	83 x 8.5	1,60	502128	6,40
	Stainless steel slot	Bolt and bar (not included)	148	998	83 x 8.5	1,60	502129	15,85
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	3,60	502126	26,50
	Stainless steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	3,60	502150	93,10
	Galvanized steel square mesh	Bolt and bar (not included)	148	998	32,2 x 32,2	2,90	502127	24,50
	Stainless steel square mesh	Bolt and bar (not included)	148	998	32,2 x 32,2	2,90	502157	87,70
	Ductile iron mesh	Bolt and bar (not included)	148	498	21,5 x 17,5	3,40	502112	14,85
	Polyamide 16 mm slot	Bolt and bar (not included)	148	498	82 x 16	0,80	502307	11,40
C 250								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	5,10	502152	35,55
	Stainless steel heel safe mesh	Bolt and bar (not included)	148	998	33 x 15	5,10	502175	134,20
	Ductile iron 7 mm slot	Bolt and bar (not included)	148	498	57 x 7	4,10	502105	19,95
	Ductile iron 20 mm slot	Bolt and bar (not included)	148	498	82 x 20	3,60	502113	14,40
	Ductile iron mesh	Bolt and bar (not included)	148	498	21,5 x 17.5	3,80	502115	15,40
	Polyamide 16 mm slot	Bolt and bar (not included)	148	498	82 x 16	1,30	502308	14,00

Mufledrain VIP 100 grating accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x55 TBL combi bolt	Galvanized steel	Mufledrain VIP 100 galvanized steel gratings	500421 ⁽¹⁾	1,85
		Stainless steel	Mufledrain VIP 100 stainless steel gratings	500422 ⁽¹⁾	6,05
	Bolt and bar kit + M8x55 black hex head bolt	Galvanized steel	Mufledrain VIP 100 ductile iron gratings	500423 ⁽¹⁾	2,65

⁽¹⁾Valid for 1 meter of channel

Mufledrain VIP 150

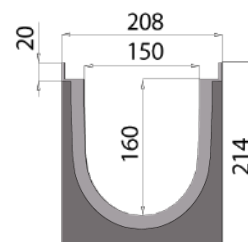
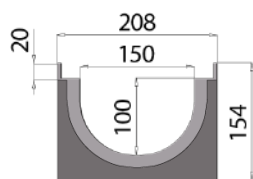
Product information

- Plastic drainage channel, internal width: 150 mm
- HD-PE rail
- For load classes: A15, B125 and C250, according to EN 1433 norm
- Sump Unit with foul air trap
- Side and vertical knockouts
- Wide range of gratings
- Galvanized/stainless steel brickslots available on request
- Bolt and bar fixing system for the gratings
- Special parts for corners, T-couplings and cross-couplings are available



Mufledrain VIP 150 channel

Length 1000 mm, total width 208 mm

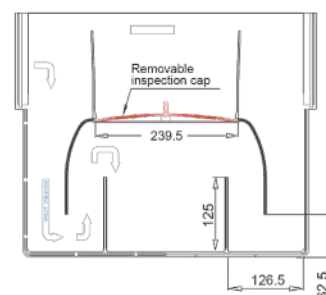
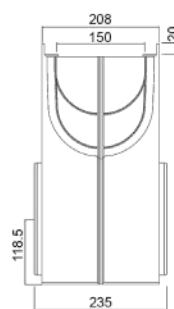
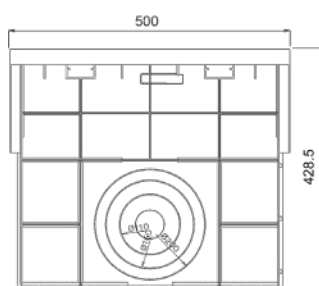


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pc]			
Channel with vertical outlet Ø110/160							
154	100	2 x Ø63	1 x Ø110/160	2,45	40	702003	11,40
214	160	2 x Ø110	1 x Ø110/160	3,00	30	702002	13,20

Mufledrain VIP 150 channel accessories

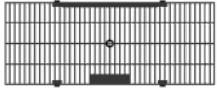
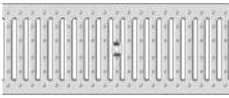
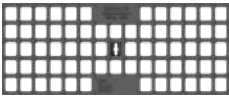
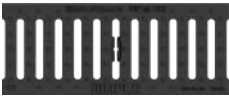
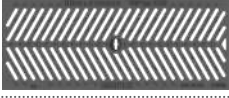
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700512	2,35
		160	PE	700513	2,35
	Ø75 outlet end-cap	100	PE	700524	2,35
	Ø110 outlet end-cap	160	PE	700505	2,35
	Step connectors from 100 mm to 160 mm		Composit	700517	33,50

Mufledrain VIP 150 sump unit with PE rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Weight [kg/pc]	Article number	Euro/pc
Sump unit with female- female connection	PE	428,5	208	500	2xØ110 2xØ160 2xØ200	2,85	702007	32,65

Mufledrain VIP 150 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
Pedestrian								
	PP-PE mesh	Lateral plastic hook	198	498	34 x 8.5	0,82	502104	4,00
A 15								
	Galvanized steel slot	Bolt and bar (not included)	198	998	130 x 8.5	2,90	502132	14,60
	Stainless steel slot	Bolt and bar (not included)	198	998	130 x 8.5	2,90	502133	32,80
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	5,30	502130	36,25
	Stainless steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	5,00	502158	128,10
	Galvanized steel square mesh	Bolt and bar (not included)	198	998	32,2 x 32,2	4,10	502131	33,30
	Stainless steel square mesh	Bolt and bar (not included)	198	998	32,2 x 32,2	4,10	502159	123,10
	Ductile iron mesh	Bolt and bar (not included)	198	498	29 x 24,5	4,90	502118	19,50
	Polyamide 16mm slot	Bolt and bar (not included)	198	498	132 x 16	1,70	502302	16,00
C 250								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	7,50	502154	50,95
	Stainless steel heel safe mesh	Bolt and bar (not included)	198	998	33 x 15	7,50	502177	167,00
	Slot 7mm ductile iron	Bolt and bar (not included)	198	498	81 x 7	5,97	502196	25,50
	Ductile iron 20mm slot	Bolt and bar (not included)	198	498	132 x 20	5,30	502120	20,50
	Polyamide 16mm slot	Bolt and bar (not included)	198	498	132 x 16	2,35	502303	20,50

Mufledrain VIP 150 grating accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x55 TBL combi bolt	Galvanized steel	Mufledrain VIP 150 galvanized steel gratings	500424 ⁽¹⁾	2,45
		Stainless steel	Mufledrain VIP 150 stainless steel gratings	500425 ⁽¹⁾	10,05
	Bolt and bar kit + M8x55 black hex head bolt	Galvanized steel	Mufledrain VIP 150 ductile iron gratings	500426 ⁽¹⁾	3,40

⁽¹⁾Valid for 1 meter of channel

Mufledrain VIP 200

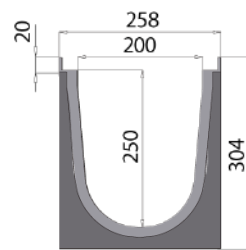
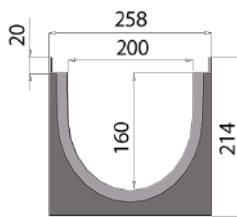
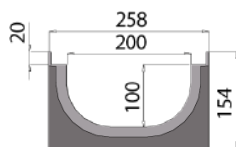
Product information

- Plastic drainage channel, internal width: 200 mm
- HD-PE rail
- For load classes: A 15, B 125 and C 250, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- Wide range of gratings
- Galvanized/stainless steel brickslots available on request
- Bolt and bar fixing system for the gratings
- Special parts for corners, T-couplings and cross-couplings are available



Mufledrain VIP 200 channel with HD-PE rail

Length 1000 mm, total width 258 mm

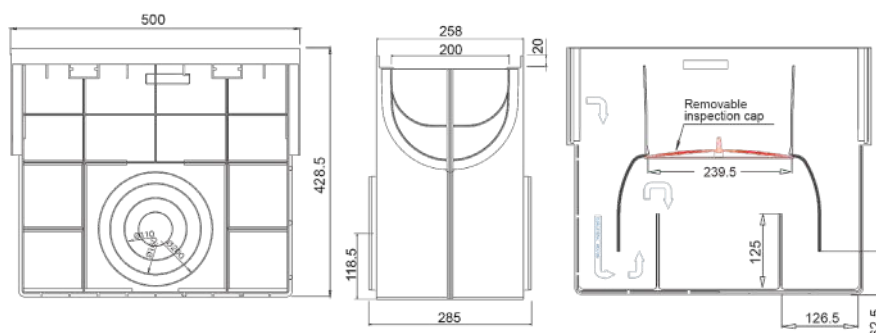


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pz]			
Channel with vertical outlet Ø200/160							
154	100	2 x Ø63	1 x Ø200/160	2,80	32	702005	13,00
214	160	2 x Ø110	1 x Ø200/160	3,40	24	702004	14,60
304	250	2 x Ø160/200	1 x Ø200/160	5,00	16	502042	21,15

Mufledrain VIP 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700514	2,70
		160	PE	700515	3,00
	Ø75 outlet end-cap	100	PE	700526	2,70
	Ø110 outlet end-cap	160	PE	700507	2,70
	Closed end-cap with Ø160 knockout	250	PE	502416	4,95
	Step connectors from 100 mm to 160 mm	-	Composit	700519	36,25
	Step connectors from 160 mm to 250 mm	-	Composit	700518	37,85

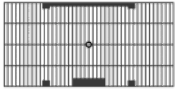
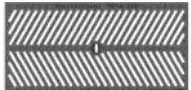
Mufledrain VIP 200 sump unit with PE rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Weight [kg/pc]	Article number	Euro/pc
Sump unit with female-female connection	PE	428,5	258	500	2xØ110 2xØ160 2xØ200	3,10	702008 ⁽¹⁾	35,55

⁽¹⁾It is not designed for connection to H250 channels

Mufledrain VIP 200 channel gratings

Image	Description	Fixing System	Width [mm]	Length [mm]	Slot/Mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
Pedestrian								
	PP-PE mesh	Lateral plastic hook	248	498	58,5 x 8,5	1,06	502106	5,15
A 15								
	Galvanized steel slot	Bolt and bar (not included)	248	998	130 x 8,5	4,80	502136	21,00
	Stainless steel slot	Bolt and bar (not included)	248	998	130 x 8,5	4,90	502198	49,90
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	6,20	502134	43,70
	Stainless steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	6,20	502160	152,95
	Galvanized steel square mesh	Bolt and bar (not included)	248	998	32,2 x 32,2	5,20	502135	39,50
	Stainless steel square mesh	Bolt and bar (not included)	248	998	32,2 x 32,2	5,20	502161	145,60
	Ductile iron mesh	Bolt and bar (not included)	248	498	25,5 x 24,5	6,25	502122	24,75
C 250								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	9,50	502156	61,70
	Stainless steel heel safe mesh	Bolt and bar (not included)	248	998	33 x 15	9,50	502179	204,35
	Ductile iron 7mm slot	Bolt and bar (not included)	248	498	107 x 7	7,70	502195	30,35
	Ductile iron 20mm slot	Bolt and bar (not included)	248	498	180 x 20	7,00	502124	27,45

Mufledrain VIP 200 grating accessories

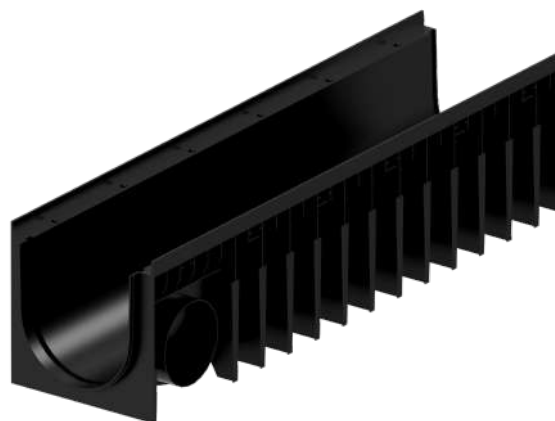
Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x55 TBL combi bolt	Galvanized steel	Mufledrain VIP 200 galvanized steel gratings	500427 ⁽¹⁾	2,65
		Stainless steel	Mufledrain VIP 200 stainless steel gratings	500428 ⁽¹⁾	10,00
	Bolt and bar kit + M8x55 black hex head bolt	Galvanized steel	Mufledrain VIP 200 ductile iron gratings	500429 ⁽¹⁾	3,80

⁽¹⁾Valid for 1 meter of channel

Mufledrain VIP 300

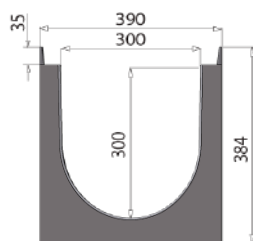
Product information

- Plastic drainage channel, internal width: 300 mm
- HD-PE rail
- For load classes: A 15, B 125 and C 250, according to EN 1433 norm
- 1500 mm long elements
- Grating fixed with 8 nuts per meter
- With lateral and vertical knockout



Mufledrain VIP 300 channel with HD-PE rail

Length 1500 mm, total width 390 mm

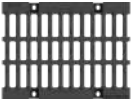
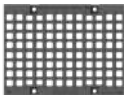


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pc]		
384	300	2 x Ø200	1 x Ø160, 1 x Ø200	9,30	502018	60,30

Mufledrain VIP 300 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	300	Galvanized steel	503411	33,85
	Ø200 outlet end-cap	300	Galvanized steel	503412	109,15

Mufledrain VIP 300 channel gratings

Image	Description	Fixing system	Width	Length	Slot/mesh	Weight	Article number	Euro/pc
			[mm]	[mm]	[mm]	[kg/pc]		
B 125								
	Ductile iron slot mesh	8 bolt/meter (not included)	376	498	90 x 25	13,00	502261	50,60
C 250								
	Ductile iron square mesh	8 bolt/meter (not included)	376	498	25 x 25	16,50	503117	65,45

Mufledrain VIP 300 grating accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Blind M10 nut	Galvanized steel	Mufledrain VIP 300 ductile iron gratings	503310 ⁽¹⁾	6,20
		Stainless steel	Mufledrain VIP 300 ductile iron gratings	503311 ⁽¹⁾	9,45

⁽¹⁾Valid for 1,5 meter of channel

[illegible]



5

Mufledrain Easy
Drainage channel

Mufledrain Easy – Plastic drainage channels

Mufledrain Easy 100	Channel	P. 68
	Channel accessories	P. 69
	Sump unit	P. 69
	Gratings and accessories	P. 70
Mufledrain Easy 150	Channel	P. 71
	Channel accessories	P. 72
	Sump unit	P. 72
	Gratings and accessories	P. 73
Mufledrain Easy 200	Channel	P. 74
	Channel accessories	P. 75
	Sump unit	P. 75
	Gratings and accessories	P. 76



Declaration of performance:
www.mufle.com

Mufledrain Easy, the installation in residential contexts

Mufledrain Easy is the linear drainage system completely made of HD-PE with no rails.

The absence of rail ensures that the grating completely covers the channel and allows a drainage line installation without interruptions or discontinuities; this, many times, increases the aesthetics of installation in architectural projects and contexts.

The absence of any rail is a plus when it gets to height reduction in difficult installation sites and makes it possible to install the channel in all areas with reduced excavation depth.



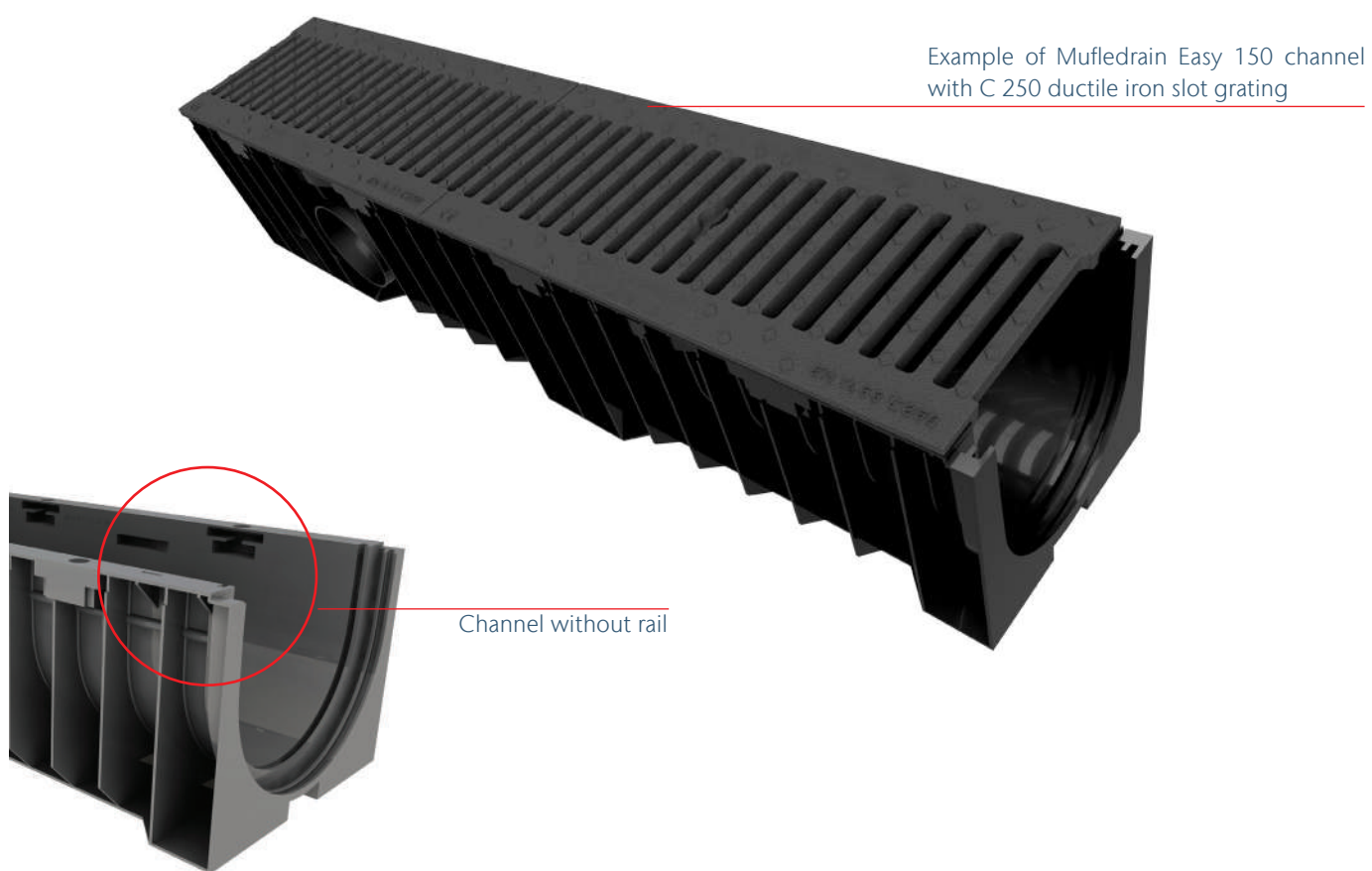
Main features

- Channel body completely made of plastic
- The grating covers completely the channel body
- 3 different internal widths: 100, 150, 200 mm are available
- Sump unit with foul air trap
- With side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Galvanized/stainless steel brickslots available on request
- Bolt and bar fixing system for the gratings.
- Special pieces for corners, "T" couplings and cross couplings are available
- End-caps or end-caps with outlets

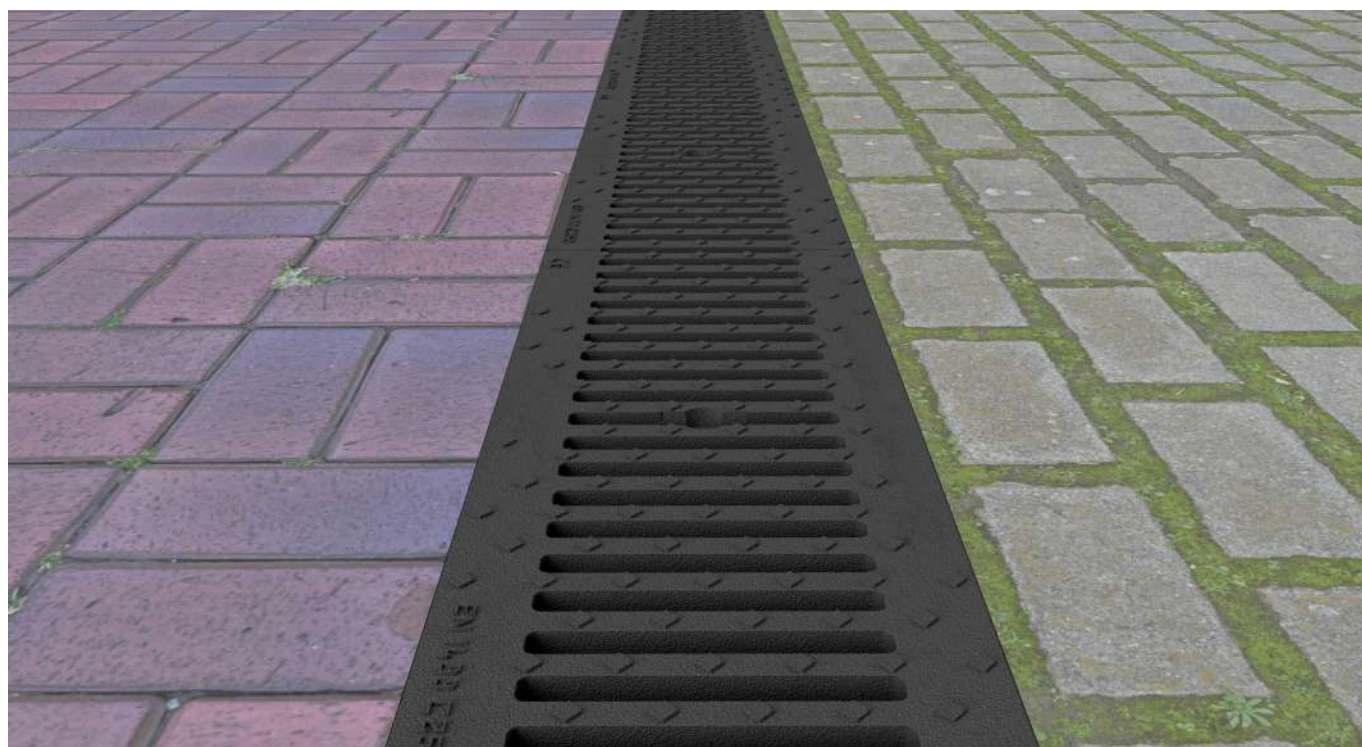
Typical applications

- Domestic and civil use
- Pedestrian areas
- Cycle paths
- Gardens
- Sports facilities
- Terraces and flat roofs
- Multi-level car parking

System overview



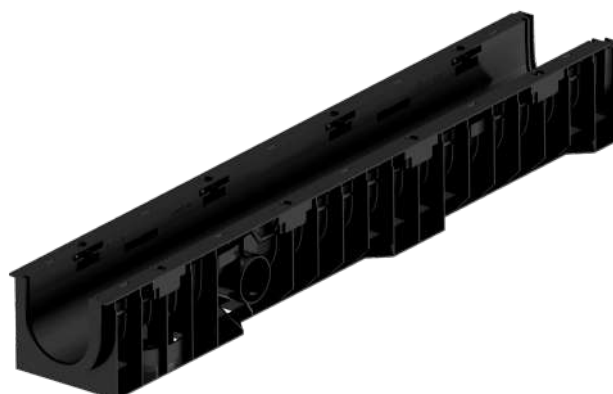
Detail of the installed channel



Mufledrain Easy 100

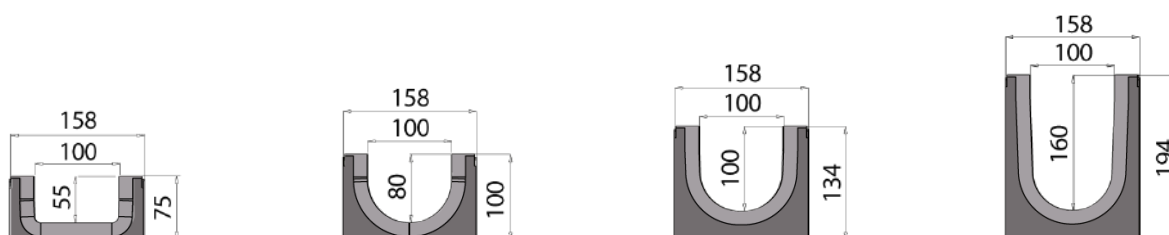
Product information

- Plastic drainage channel, internal width: 100 mm
- Suitable for load classes: A 15, B 125 and C 250, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H 55 and H 80 mm
- Wide range of gratings
- Special parts for corners, T-couplings and cross-couplings are available



Mufledrain Easy 100 channel

Length 1000 mm, total width 158 mm

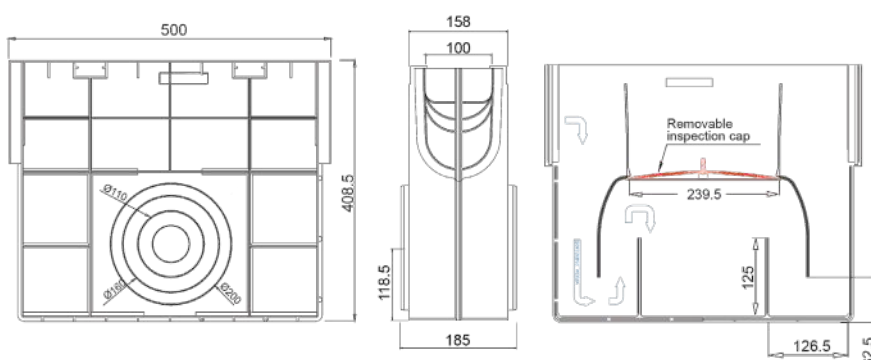


Total height	Internal height	Ø side outlet	Ø Vertical outlet	Weight	Pieces/pallet	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pc]			
Channel with vertical outlet kit Ø100/110							
75	55	2 x Ø40	1 x Ø100/110	1,40	98	700007	5,90
100	80	2 x Ø63	1 x Ø100/110	1,60	70	700006	6,35
Channel with vertical outlet Ø110							
134	100	2 x Ø63	1 x Ø110	1,90	56	700001	8,40
194	160	2 x Ø110	1 x Ø110	2,40	42	700000	9,65

Mufledrain Easy 100 channel accessories

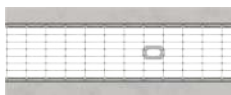
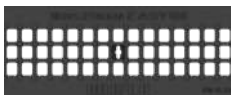
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	55	PE	700508	2,00
		80	PE	700509	2,00
		100	PE	700510	2,25
		160	PE	700511	2,35
	Ø40 outlet end-cap	55	PE	700500	2,00
	Ø50 outlet end-cap	80	PE	700521	2,00
	Ø75 outlet end-cap	100	PE	700522	2,35
		160	PE	700523	2,35
	Vertical outlet KIT Ø100	55/80	PE	506114	2,35
	Vertical outlet KIT Ø110	55/80	PE	506115	2,60
	Step connectors from 100 mm to 160 mm	-	Composit	700516	30,90

Mufledrain Easy 100 sump unit



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Weight [kg/pc]	Article number	Euro/pc
Sump unit with female-female connection	PE	408,5	158	500	2xØ110 2xØ160 2xØ200	2,50	700008	29,10

Mufledrain Easy 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
A 15								
	Galvanized steel slot	Bolt and bar (not included)	154	998	83 x 8,5	1,80	500109	5,80
	Stainless steel slot	Bolt and bar (not included)	154	998	83 x 8,5	1,80	500111	20,55
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	154	998	33 x 15	3,90	500105	27,00
	Stainless steel heel safe mesh	Bolt and bar (not included)	154	998	33 x 15	3,90	500104	126,50
	Galvanized steel square mesh	Bolt and bar (not included)	154	998	34,2 x 32,2	3,30	500106	24,45
	Stainless steel square mesh	Bolt and bar (not included)	154	998	34,2 x 32,2	3,30	500108	116,45
	Ductile iron mesh	Bolt and bar (not included)	154	498	21,5 x 17,5	3,00	500143	12,60
C 250								
	Ductile iron 13mm Slot	Bolt and bar (not included)	154	498	80,0 x 13,0	4,20	500144	16,50

Mufledrain Easy 100 gratings accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	Mufledrain Easy 100 galvanized steel gratings	500412 ⁽¹⁾	1,85
		Stainless steel	Mufledrain Easy 100 stainless steel gratings	500413 ⁽¹⁾	5,75
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	Mufledrain Easy 100 ductile iron gratings	500414 ⁽¹⁾	2,45

⁽¹⁾Valid for 1 meter of channel

Mufledrain Easy 150

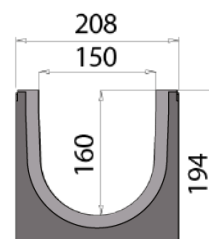
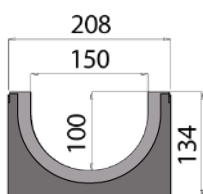
Product information

- Plastic drainage channel, internal width: 150 mm
- Suitable for load classes: A 15, B 125 and C 250, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- Wide range of gratings
- Special parts for corners, T-couplings and cross-couplings are available



Mufledrain Easy 150 channel

Length 1000 mm, total width 208 mm

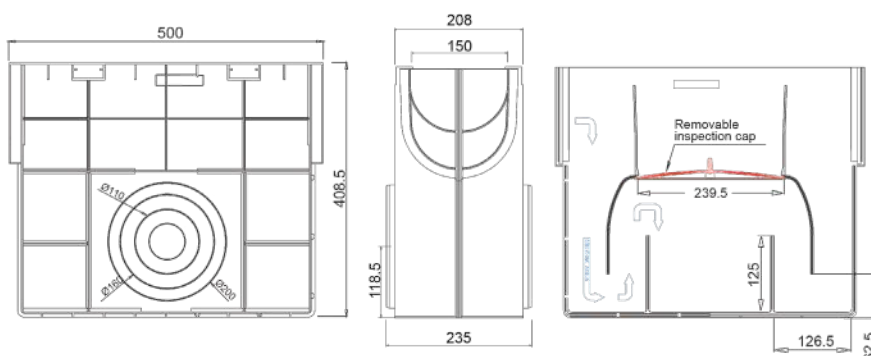


Total height	Internal height	Ø Side outlet	Ø Vertical outlet	Weight	Pieces/pallet	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pc]			
Channel with Vertical outlet Ø110/160							
134	100	2 x Ø63	1 x Ø110/160	2,30	40	700003	10,30
194	160	2 x Ø110	1 x Ø110/160	2,85	30	700002	11,75

Mufledrain Easy 150 channel accessories

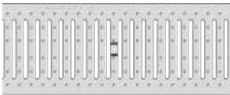
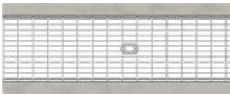
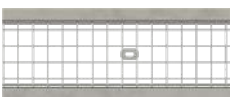
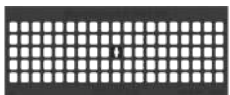
Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700512	2,35
		160	PE	700513	2,35
	Ø75 outlet end-cap	100	PE	700524	2,35
	Ø110 outlet end-cap	160	PE	700505	2,35
	Step connectors from 150/100 to 150/160	-	Composit	700517	33,50

Mufledrain Easy 150 sump unit



Description	Material	Height	Width	Lenght	Ø Side Outlet	Weight	Article Number	Euro/pc
		[mm]	[mm]	[mm]	[mm]	[kg/pc]		
Sump unit with female-female connection	PE	408,5	208	500	2xØ110 2xØ160 2xØ200	2,78	700009	32,65

Mufledrain Easy 150 channel gratings

Image	Description	Fixing System	Width [mm]	Length [mm]	Slot/Mesh [mm]	Weight [kg/pc]	Article Number	Euro/pc
A 15								
	Galvanized steel slot	Bolt and bar (not included)	204	998	130 x 8.5	3,00	500123	12,85
	Stainless steel slot	Bolt and bar (not included)	204	998	130 x 8.5	3,30	500124	24,70
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	204	998	33 x 15	5,40	500117	36,75
	Stainless steel heel safe mesh	Bolt and bar (not included)	204	998	33 x 15	5,40	500119	162,35
	Galvanized steel square mesh	Bolt and bar (not included)	204	998	34,2 x 32,2	4,60	500120	32,60
	Stainless steel square mesh	Bolt and bar (not included)	204	998	34,2 x 32,2	4,60	500122	143,60
	Ductile iron mesh	Bolt and bar (not included)	204	498	21.5 x 17,5	4,70	500149	19,45
C 250								
	Ductile iron 13 mm Slot	Bolt and bar (not included)	204	498	130 x 13	5,50	500151	21,85

Mufledrain Easy 150 grating accessories

Image	Description	Material	Valid for	Article Number	Euro/pc
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	Mufledrain Easy 150 galvanized steel gratings	500415 ⁽¹⁾	2,65
		Stainless steel	Mufledrain Easy 150 stainless steel gratings	500416 ⁽¹⁾	9,70
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	Mufledrain Easy 150 ductile iron gratings	500417 ⁽¹⁾	3,40

⁽¹⁾Valid for 1 meter of channel

Mufledrain Easy 200

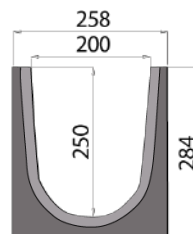
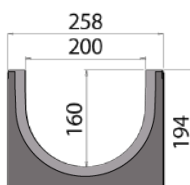
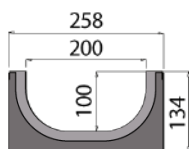
Product information

- Plastic drainage channel, internal width: 200 mm
- Suitable for load classes: A 15, B 125 and C 250, according to EN 1433 norm
- Sump unit with foul air trap
- Side and vertical knockouts
- Wide range of gratings
- Special parts for corners, T-couplings and cross-couplings are available



Mufledrain Easy 200 channel

Length 1000 mm, total width 258 mm

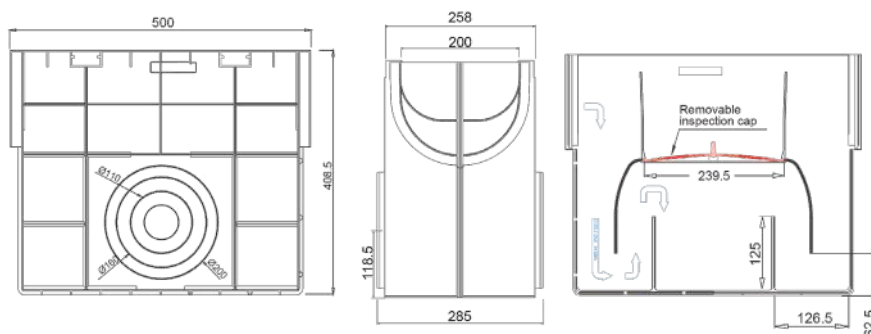


Total height	Internal height	Ø side outlet	Ø Vertical outlet	Weight	Pieces/pallet	Article number	Euro/pc
[mm]	[mm]	[mm]	[mm]	[kg/pc]			
Channel with Vertical outlet Ø200/160							
134	100	2 x Ø63	1 x Ø200/160	2,65	32	700005	12,00
194	160	2 x Ø110	1 x Ø200/160	3,25	24	700004	14,30
284	250	2 x Ø160/200	1 x Ø200/160	4,80	16	500013	21,20

Mufledrain Easy 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number	Euro/pc
	Closed end-cap	100	PE	700514	2,70
		160	PE	700515	3,00
	Ø75 outlet end-cap	100	PE	700526	2,70
	Ø110 outlet end-cap	160	PE	700507	2,70
	Closed end-cap with Ø160 knockout	250	PE	502416	4,95
	Step connectors from 100 mm to 160 mm	-	Composit	700519	36,25
	Step connectors from 160 mm to 250 mm	-	Composit	700518	37,85

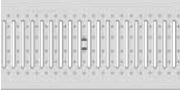
Mufledrain Easy 200 sump unit



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Weight [kg/pc]	Article number	Euro/pc
Sump unit with female-female connection	PE	408,5	258	500	2xØ110 2xØ160 2xØ200	3,00	700010 ⁽¹⁾	35,55

⁽¹⁾It is not designed for connection to H250 channels

Mufledrain Easy 200 gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/Mesh [mm]	Weight [kg/pc]	Article number	Euro/pc
A 15								
	Galvanized steel slot	Bolt and bar (not included)	254	998	130 x 8.5	5,00	500135	22,75
	Stainless steel slot	Bolt and bar (not included)	254	998	130 x 8.5	3,90	500255	53,65
B 125								
	Galvanized steel heel safe mesh	Bolt and bar (not included)	254	998	33 x 15	6,60	500131	49,15
	Stainless steel heel safe mesh	Bolt and bar (not included)	254	998	33 x 15	6,60	500132	194,30
	Galvanized steel square mesh	Bolt and bar (not included)	254	998	34.2 x 32.2	5,20	500133	42,80
	Stainless steel square mesh	Bolt and bar (not included)	254	998	34.2 x 32.2	5,20	500134	169,05
	Ductile iron mesh	Bolt and bar (not included)	254	498	21.5 x 17.5	5,85	500154	24,35
C 250								
	Ductile iron 13 mm slot	Bolt and bar (not included)	254	498	180 x 13	7,20	500155	31,40

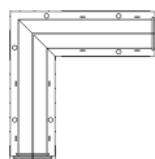
Mufledrain Easy 200 grating accessories

Image	Description	Material	Valid for	Article number	Euro/pc
	Bolt and bar kit + M8x40 TBL combi screw	Galvanized steel	Mufledrain Easy 200 galvanized steel gratings	500418 ⁽¹⁾	2,80
		Stainless steel	Mufledrain Easy 200 stainless steel gratings	500419 ⁽¹⁾	10,00
	Bolt and bar kit + M8x40 black hex head screw	Galvanized steel	Mufledrain Easy 200 ductile iron gratings	500420 ⁽¹⁾	3,60

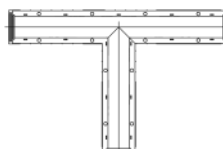
⁽¹⁾Valid for 1 meter of channel

Mufledrain range special parts

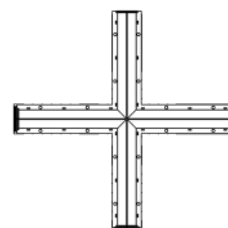
90° corner



"T" special part



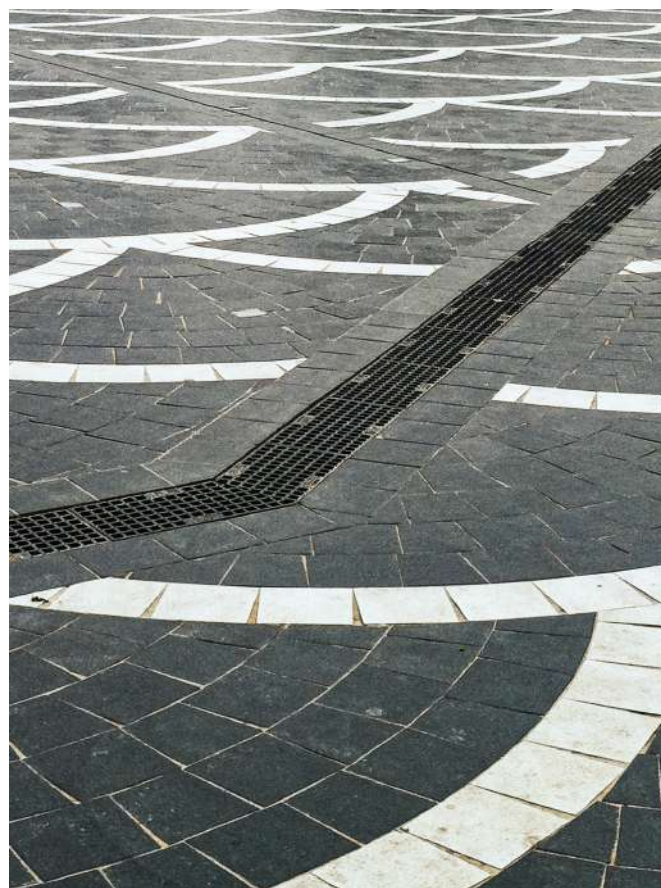
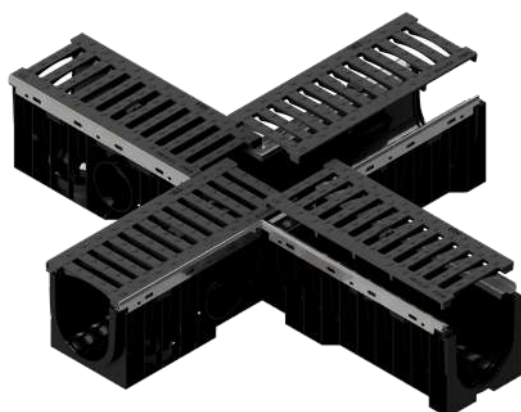
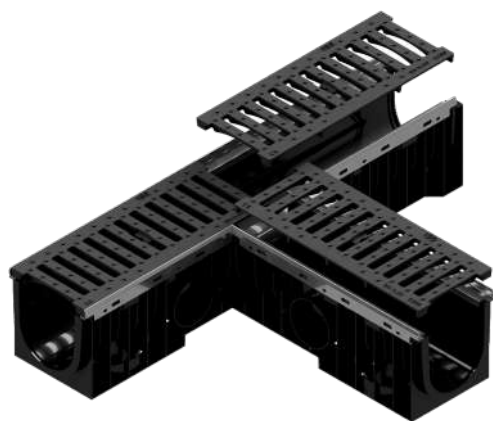
Cross special part



Article numbers and ICP on request

Main Features

- Special parts are available for all the Mufledrain ranges
- Ductile iron, galvanized steel, stainless steel, HD-PE rail.
- Left or right 90° corners
- Left or right "T" special part
- Left or right cross special part
- Fixing system for each gratings
- Custom lenght special parts
- Male-male / female-female special parts





4ALL - Plastic channels with gratings

4ALL channel with grating	4ALL garage pack	P. 82
	Inspection box	P. 82
	4ALL single channel	P. 83
	Kit vertical outlet + 2 end caps	P. 83
	Inspection box	P. 83



Declaration of performance at:
www.mufle.com

EXCELLENT PERFORMANCE FOR EVERYONE

4ALL is the ENTRY LEVEL channel produced by Mufle, equipped with all the features necessary to obtain safe and efficient drainage.

The smooth and waterproof surface, the lightness, the special compact geometry and the guaranteed performances for the load classes A15 and B125, are the main features that make the **4ALL** unique in its kind.

With its size of only 120x92x1000mm and weight just over 1,90 Kg (in the version with galvanized steel grating, load class A15), the **4ALL channel** can be installed and put into operation in a simple and easy way, without the help of special professional equipment, and this is precisely what makes it a product for everyone.

The gratings are fixed to the channel through a mechanical system with hooks, that do not require the use of bolts or nuts or special tools; an innovation that definitely simplifies the most traditional fixing systems.

The different models of **4ALL** can all claim of being CE marked, answering in this way to all the requirements of the European reference standard EN1433.

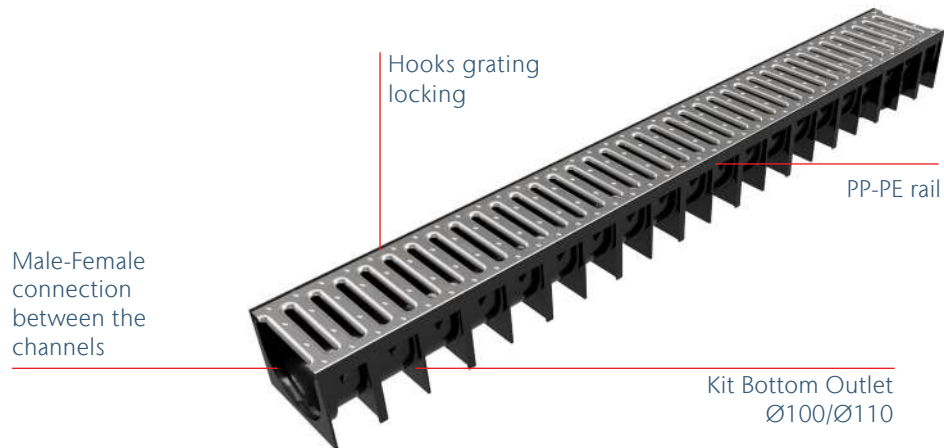
To protect and guarantee the declared and expected performance throughout its useful life in operation, the entire production chain is subject to strict quality controls that go well beyond those indicated as “minimum” by legislation.

Typical Applications

- Green areas
- Pedestrian areas and cycle paths
- Terraces



System overview



Main Features

- Click the grating in and out, no screws required.
- Designed in accordance with EN 1433.
- Easy to assemble.
- The smooth waterproof surface allows a quick water evacuation.
- The external structure with ribs improves the anchoring between concrete and plastic.
- The channel ribs help to improve strength and stiffness.
- High mechanical and chemical resistance.
- Lightweight.
- Easy to carry

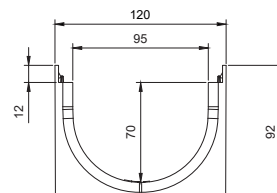
4ALL Garage pack

Product information

- The package contains:
 - 3 plastic channels, 3 gratings, 2 end caps, 1 Ø 75/110 mm PP-PE vertical outlet
- Channel internal size (WxH): 95 x 70 mm
- PP-PE rail
- Gratings load class: A 15, B 125
- Built-in fixing system
- Pack size (LxWxH): 1100 x 370 x 90 mm



Kit: Vertical Outlet + End caps
(inside the pack)



4ALL Garage pack : 3 plastic channels, 3 gratings, 1 vertical outlet, 2 end caps

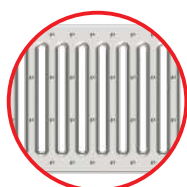
Grating Type	Load Class	Slot	Dimensions			Pc/Pal	Artic. Num.	Price/pc
			Length	Width	Height			
		[mm]	[mm]	[mm]	[mm]	[n.]		[EUR]
1. PP-PE	A 15	8	1000	120	92	26	613003	18,70
2. Galvanized steel	A 15	8	1000	120	92	26	613001	24,75
3. Galvanized steel SLIM	A 15	5	1000	120	92	26	613031	25,75
4. Stainless steel	A 15	8	1000	120	92	26	613017	43,70
5. Stainless steel SLIM	A 15	5	1000	120	92	26	613037	45,45
6. Ductile iron	B 125	6	1000	120	92	26	613032	72,10



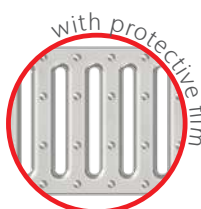
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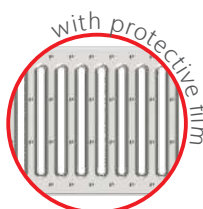
2



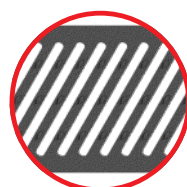
3



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6

4ALL inspection box with plastic rail

- It allows to add a side knockout to the channel
- It allows to make cross, "T" and "L" couplings

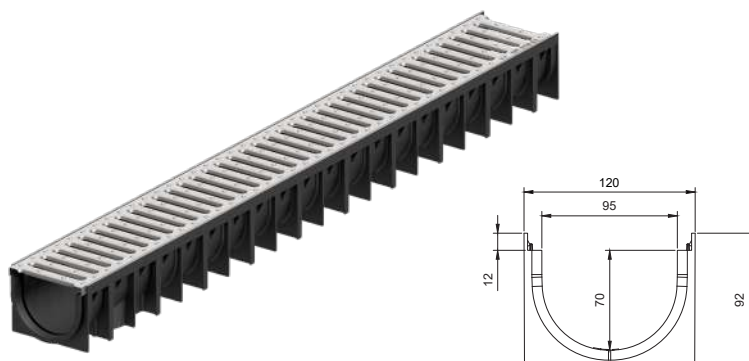


Grating Type	Load Class	Slot	Dimensions			Pc/Box	Artic. Num.	Price/pc
			Length	Width	Height			
		[mm]	[mm]	[mm]	[mm]	[n.]		[EUR]
1. PP-PE	A 15	8	145	120	92	20	613201	3,85
2. Galvanized steel	A 15	8	145	120	92	20	613200	4,35
3. Galvanized steel SLIM	A 15	5	145	120	92	20	613207	4,70
4. Stainless steel	A 15	8	145	120	92	20	613204	5,70
5. Stainless steel SLIM	A 15	5	145	120	92	20	613209	6,00
6. Ductile iron	B 125	6	145	120	92	20	613206	7,20

4ALL Single channel

Product information

- Plastic Channel
- Channel internal size (WxH): 95 x 70 mm
- PP-PE rail
- Gratings load classes A 15, B 125
- Built-in fixing system

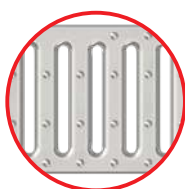


4ALL channel with installed grating

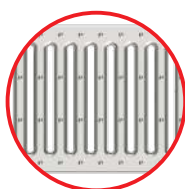
Grating Type	Load Class	Slot [mm]	Dimensions			Pc/Pal [n.]	Artic. Num.	Price/pc [EUR]
			Length [mm]	Width [mm]	Height [mm]			
1. PP-PE	A 15	8	1000	120	92	72	613005	5,60
2. Galvanized steel	A 15	8	1000	120	92	72	613000	7,50
3. Galvanized steel SLIM	A 15	5	1000	120	92	72	613038	7,80
4. Stainless steel	A 15	8	1000	120	92	72	613016	13,95
5. Stainless steel SLIM	A 15	5	1000	120	92	72	613040	14,50
6. Ductile iron	B 125	6	1000	120	92	72	613030	23,25



1



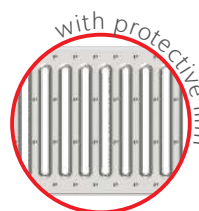
2



3



4



5



6

4ALL channel kit: vertical outlet + 2 end caps

- 2 PP-PE End caps
- 1 Ø75/110 mm PP-PE vertical outlet



Description	Pc/Box	Artic. Num.	Price/pc
	[n.]		
1. Kit vertical outlet + end caps	50	513200	3,00

4ALL channel inspection box with plastic rail

- See information on the previous page

TERMS AND CONDITIONS

- Valid for deliveries from 01/07/2021 to 31/12/2021
 - Transport condition: EXW MufleSystem warehouse
 - Pallet EPAL: 13.00 €
 - Plastic pallet: 13.00 €
-



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