HYDROTEC

DRAINAGE CHANNELS

SYSTEM HYDRO*block*®

Drainage channel for heavy loads

HYDROTEC

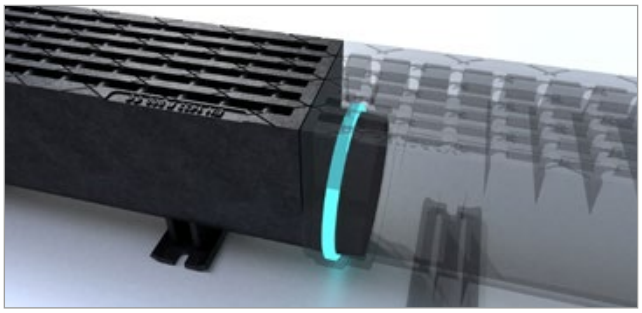
SYSTEM HYDRO*block*®
Product benefits

Drainage channel made of ductile iron

Drainage channel systems in heavy load areas must meet the highest level of safety. This requires complicated installation and substantial concrete encasement. Damage caused by dynamic horizontal forces is the most common reason for drainage channel breakdown. Due to its monolithic design and construction HYDRO*block*® ductile iron drainage channel is totally resistant to recurring dynamic forces up to and including Class F 900.

Perfect for crosswise traffic

Because of its monolithic design made of ductile iron, the safety slot system is perfect for heavy loads, crosswise traffic and is absolutely rattle free.

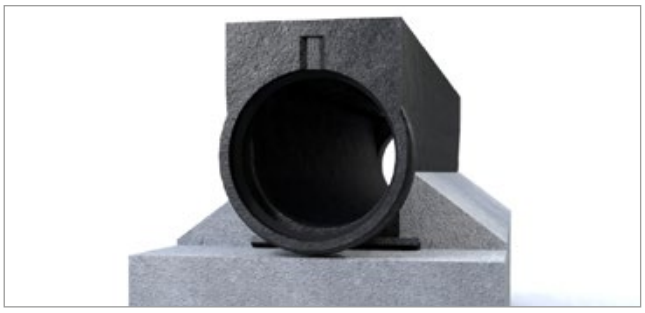


Smart seal system & pedestrian design

HYDRO*block*® drainage channels are connected by an integrated seal which enables an immediate watertight connection without additional sealing. HYDRO*block*® is also available with a slot width of 12 mm (standard slot width 22 mm).

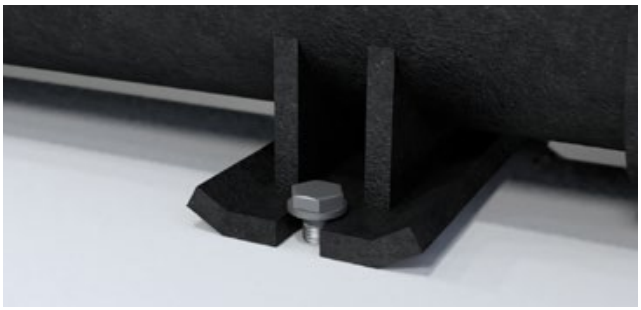
rattle free | weather-resistant

SYSTEM HYDRO*block*®
Product benefits



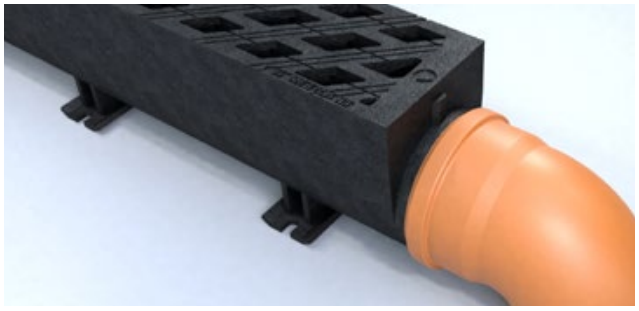
TYPE I and direct asphalting/paving

HYDRO*block*® is certified as a TYPE I channel according EN 1433 which means the channel is able to take horizontal forces without the need for concrete encasement. It only requires a load bearing concrete foundation. The channel can be directly asphalted or paved.



Installation support / anchoring

The HYDRO*block*® feet can be used as an additional anchor point to the concrete foundation. Furthermore it facilitates the use of additional shims or clamps to level the HYDRO*block*® to a specific height.



Reliable sealing

The spigot end allows connection of commercially available plastic pipes.

Marking of the flow direction

The flow direction indicator ensures easier installation of the channel elements.

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Installation areas

Industrial parks

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Installation areas

Ports

entry and exit

railway crossings

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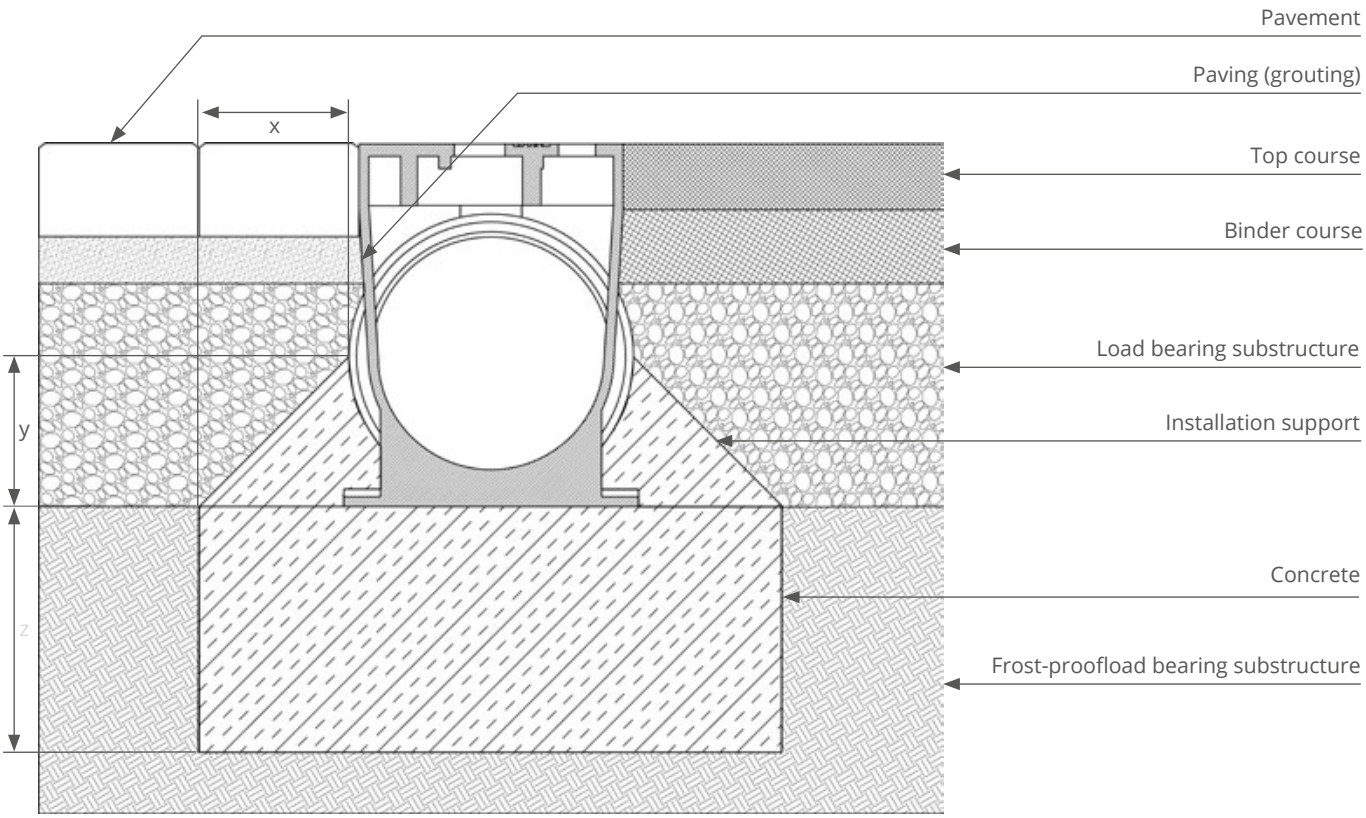
Installation instruction

ASPHALT / PAVEMENT



z (according to calculation)	
D 400 E 600 / F 900	20 cm concrete C25/30 25 cm concrete C25/30

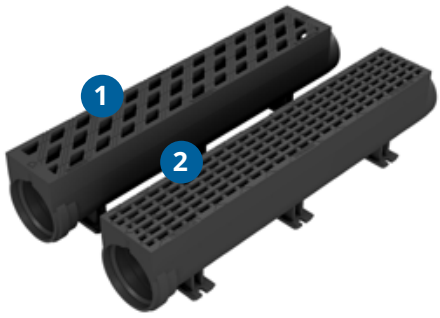
x y (according to calculation)	
D 400 E 600 / F 900	15 cm concrete C25/30 20 cm concrete C25/30

General notes

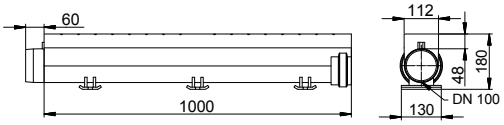
The installation instructions are only provided as a recommendation. The construction companies charged with installation can naturally incorporate any of their own improvements. The construction company is responsible for the correct installation of the drainage channels.

All installed parts must be examined before installation to ensure that they are undamaged. For reasons of liability never install damaged parts and contact the supplier immediately to submit a claim.

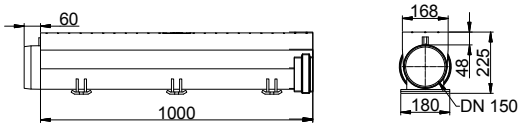
SYSTEM HYDRO*block*®
Basic elements



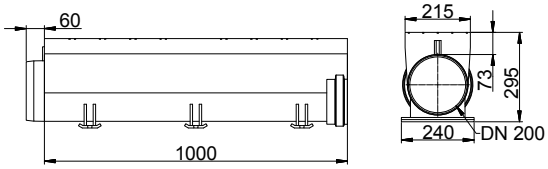
	Type	Art. No.	Class	Nominal width mm	Height mm	Length mm	Inlet area cm²/m	kg	Pallet
1	Basic element	60060**050**	F 900	100	180	1000	337	30,5	45
		60160**050**		150	225		520	50,3	20
		60260**050**		200	295		718	66,1	15
		60360**050**		300	420		1190	110,0	6
2	Basic element in pedestrian design	60163**050**		150	225		380	53,0	20
		60263**050**		200	295		566	71,4	15
		60360**0501**		300	420		839	112,0	6



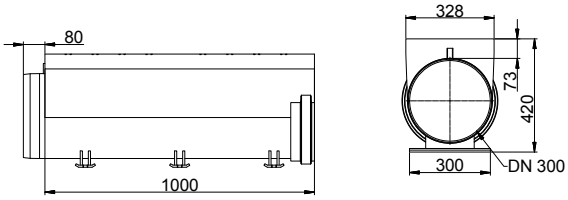
Nominal width 100 mm



Nominal width 150 mm



Nominal width 200 mm



Nominal width 300 mm

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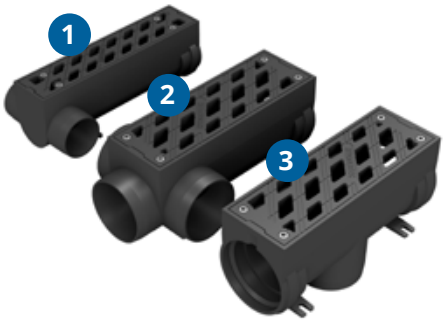
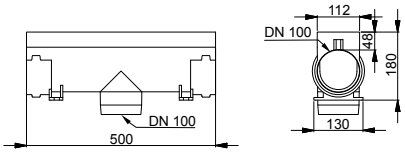
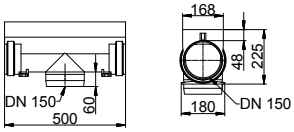
Special elements



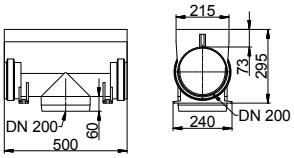
	Type	Art. No.	Class	Nominal width mm	Height mm	Length mm	Inlet area cm²/m	kg	Pallet
1	Outlet left/right	60060**358**	F 900	100	180	500	337	17,0	-
		60260**358**		200	295	500	718	45,0	
2	Outlet face side/left/right	60060**458**		100	180	500	337	17,0	
		60160**458**		150	255	500	520	32,0	
3	Vertical outlet	60060**358**		100	180	500	337	17,0	
		60160**058**		150	225	500	520	31,0	
		60260**058**		200	295	500	718	44,0	
		60360**058**		300	420	750	1190	105,0	



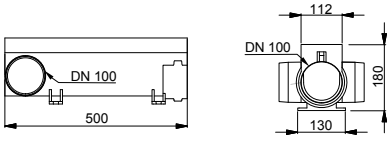
Vertical outlet - Nominal width 100 mm



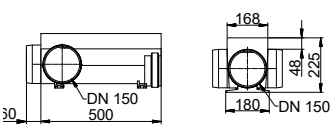
Vertical outlet - Nominal width 150 mm



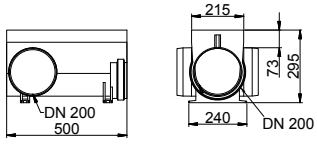
Vertical outlet - Nominal width 200 mm



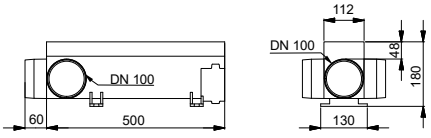
Outlet left/right - Nominal width 100 mm



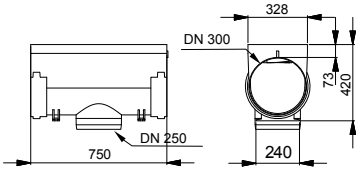
Outlet left/right - Nominal width 150 mm



Outlet left/right - Nominal width 200 mm



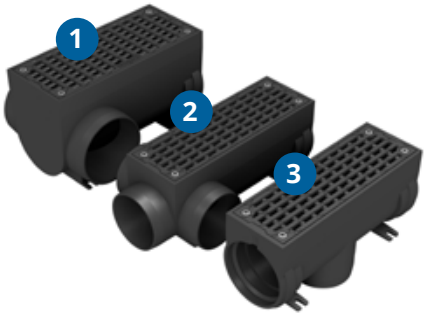
Outlet face side/left/right - Nominal width 100 mm



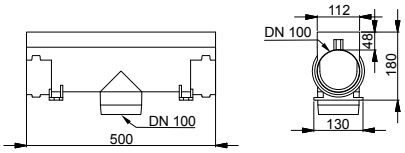
Vertical outlet - Nominal width 300 mm

SYSTEM HYDRO*block*®

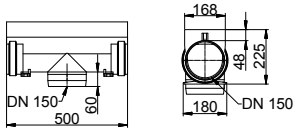
Special elements in pedestrian design



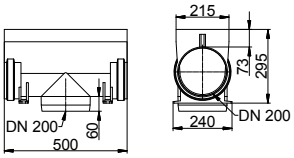
	Type	Art. No.	Class	Nominal width mm	Height mm	Length mm	Inlet area cm²/m	kg	Pallet
1	Outlet left/right	60263**358**	F 900	200	295	500	566	45,0	-
2	Ablauf face side/left/right	60163**458**		150	255	500	380	32,0	
3	Vertical outlet	60163**058**		150	225	500	380	31,0	
		60263**058**		200	295	500	566	71,4	
		603600**582**		300	420	750	839	96,0	



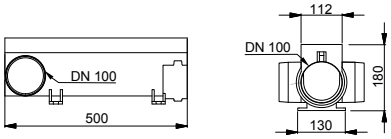
Vertical outlet - Nominal width 100 mm



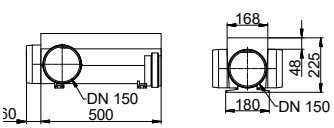
Vertical outlet - Nominal width 150 mm



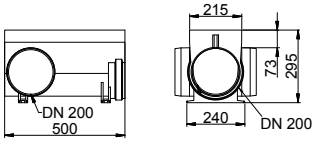
Vertical outlet - Nominal width 200 mm



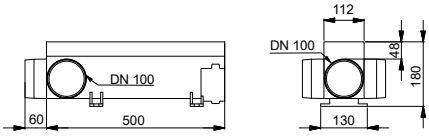
Outlet left/right - Nominal width 100 mm



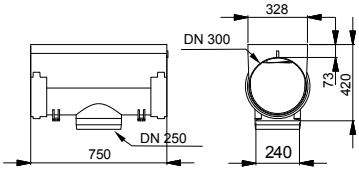
Outlet left/right - Nominal width 150 mm



Outlet left/right - Nominal width 200 mm



Outlet face side/left/right - Nominal width 100 mm



Vertical outlet - Nominal width 300 mm

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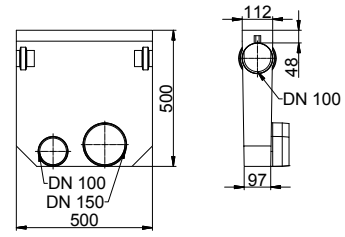
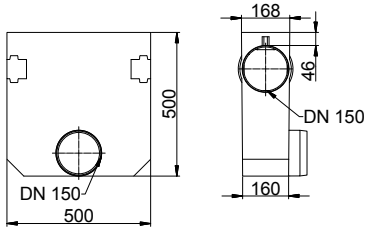
SYSTEM HYDRO*block*®
Feed boxes

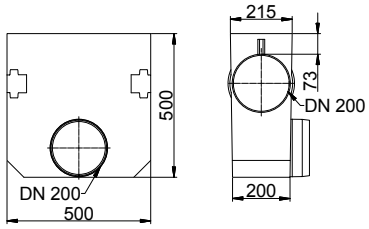
	Type	Art. No.	Class	Nominal width mm	Height mm	Length mm	Inlet area cm²/m	kg	Pallet
1	Feed box	60060**008**	F 900	100	500	500	337	38,0	-
		60160**008**		150			520	55,0	
		60260**008**		200			718	62,0	
2	Feed box in pedestrian design	60163**008**		150			380	54,0	
		60263**008**		200			566	63,6	



Nominal width 100 mm



Nominal width 150 mm



Nominal width 200 mm

SYSTEM HYDRO*block*®
Accessories

Type	Art. no.	Height mm
End piece DN 100, socket end	7001**210**	
End piece DN 100, spigot end	7001**211**	
End piece DN 150, socket end	7001**215**	
End piece DN 150, spigot end	7001**216**	
End piece DN 200, socket end	7001**220**	
End piece DN 200, spigot end	7001**230**	
End piece DN 300, socket end	7001**232**	
End piece DN 300, spigot end	7001**231**	
Installation aid NW 100	7009**923**	
Installation aid NW 150 / 200 / 300	7009**920**	
HYDRO*block* 300 Dirt strainer for vertical outlet	0301**533**	

End piece

End piece, spigot

Dirt strainer

Installation aid

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