AXHELL

ForMe 70

technical data sheet

why

ForMe

1 **Versatile:** Suitable for different fields of applications.

2 **Pratical:** Designed for installations on small size excavations.

3 **Complete:** Different grating models available.

4 **Safe:** Locking system and Fixing system with bar and screws.

5 **Load class:** C 250 According to standards UNI EN 1433

6 **Light:** Maximum handling.

7 **Assembly:** Quick and safe.

8 **Transport:** Smart and saving.

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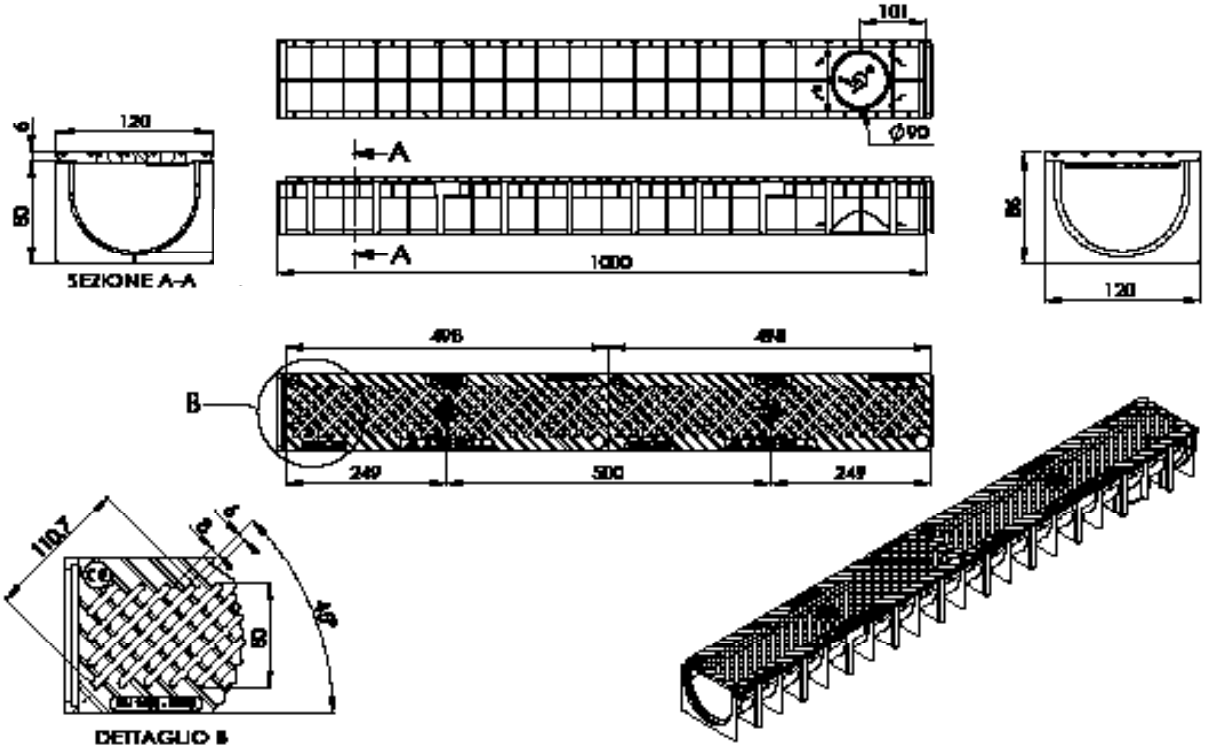
CUI: RO40879600 - ROONRC.J3/993/2019

ForMe

technical data sheet



Dimensions and charateristics	ForMe 70 + slotted 6mm ductile iron grating
System	channel ForMe H70 + slotted ductile iron grating C250/EN 1433
Lenght (mm)	1000
Width (mm)	120
Grating width (mm)	115
Height (mm)	86
Material	PP // ductile iron GJS 500/7 (EN 1563)
Weight (Kg)	5.7
Draining surface (dm^2)	3.106
Surface finishing	PP // epoxy paint
Class of load (UNI EN 1433)	C250 (UNI EN 1433)
Outlets	1x Ø 110

Axhell Drain Srl reserves the right to vary the above mentioned technical features without notice.
The dimensions and weights are subject to the standard tolerance of production.
The products have to be installed according to Axhell's specifications and Standard in force.

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application fields

Pedestrian area
Domestic and civil areas
Sport and leasure
Terrace and balconies
Residencial area with small space for layng

specifications

Supply and installation of rainwater drainage system of ForME Axhell type consisting of 2 elements:
Supply and installation of rainwater drainage system of ForME Axhell type with external stiffening ribs and slotted grating in Ductile Iron, male-female coupling system allowing the assembly between one channel and the next with the relevant pre-assembled gratings.
The channel will have 1 pre-determined points on the bottom, through 4 screws, to house a EPDM drain gate (diameter 110 mm). PP upper edge without profiles and / or frames to allow full support of the grating. The channel surface will be perfectly smooth and have a low roughness coefficient to allow the best water flow. Il will also be perfectly water-tight and devoid of any connection points with the outside. The channel will have the following dimensions: length 1,000 mm, internal net gap 100 mm, internal height 70 mm.
Supply and installation of ductile iron GJS 500/7 (EN 1563) slotted 6mm covering gratings for ForME Axhell drainage channels with bar fixing system, load class C250 according to EN 1433-2008, length 498 mm, width 120 mm. For each channel n. 2 gratings should be used.

accessories

Supply and installation of fixing system with bar in PP for ForME Axhell drainage channels with interlocking coupling system in the appropriate seat of the channel and suitable screws for tightening through the appropriate hole provided in the grating. The system is equipped with elements of variable thickness to allow the correct tightening of the screw with grating of different materials.
Supply and installation of HD-PE end caps for ForME Axhell drainage channels with coupling system into the special channel housing. Supply and installation ForME Axhell type PP drain box siphonable for ForME Axhell drainage channels, with external stiffening ribs and male- female coupling system. The top of the built-in siphon in the drain box shall be detachable in order to allow the cleaning and anti-odor system consisting of a mobile strip.
The drain box will have 1 preformed outlets on the bottom with diameter until 110 mm.
The sizes of the drain box shall be length 120 mm, internal net gap 100 mm, internal height 70 mm.
The surface exposed to traffic must have a grating, in class C250 according to EN1433-2008 and must be equipped with all the markings required by the EN 1433-2008 standard and the CE mark.

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installation

1

Establish the exact lay out that the draining line will have to follow.

2

Work out the trench sizes.

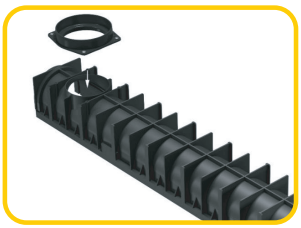
Taking into consideration: the channel sizes (width x height); the thick-ness for the concrete bed on which the channel will lay (pay attention to the calculation considering also the eventual height for the space of the bottom outlet, when it is required).

3

Proceed with the concrete cast for creating the laying bed and wait that the concrete has reached the right consistency (one hour at least).
The trench should be 100 mm higher than the channel height for the concrete laying bed and 200 mm wider than the channel width for the side flankings. The concrete should be obtain to mix three parts of sand, one of cement and half a part of water (water/ cement ratio=0,5); the gravel will be with a maximum diameter of 15 mm, in this way to the concrete will be rather "fluid".
(remember to leave the space of the bottom outlet, when it is required).

4

To drain the water, you can use the bottom outlet:
Break the outlet in the special seat with a hammer.

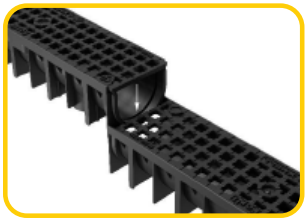


Insert the outlet in the channel fixing it with the four screws supplied.

5

Lay the channel on the laying bed.
Link up the drainage pipes to the sewerage.

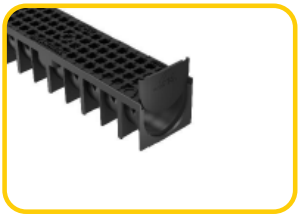
6



If the draining line requires more than one channel, connect the chan-nels by the coupling system "male- female".

The channels inside the packaging are equipped with the gratings already fixed throu-gh a special system of protrusions in the channel itself. The special coupling system "male-female" allows the channels connection without disas-sembling the gratings.

7



Before doing the flanking, insert the end caps.

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installation

8

Create the flanking.

9

Level out the channels.

Be careful to leave enough space without flanking, when a final covering (tiles, blockpaving, etc...) is necessary.

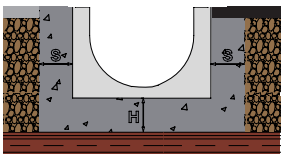
10

Coat with the final covering.

The area will be practicable not before 72 hours.

note

a) The height of the surface layer must exceed the edge of the grating by approximately 3 mm.
b) In case of concrete flooring, to absorb the horizontal expansion forces
it is advisable provide expansion joints in both directions.
c) we recommend using Class S4 concrete (EN 206-1)
and stone aggregate with maximum diameter 8 mm.



SUMMARY TABLE				
Load class (UNI EN 1433)		A 15	B 125	C 250
Applicable load (UNI EN 1433)	KN	15	125	250
Minimum height H of concrete laying bed	mm	100	100	150
Minimum thickness S of concrete fl anking	mm	100	100	150
Concrete compression strenght class (EN 206-1)		C 20/25	C 25/30	C 25/30
Class of concrete compression resistance (EN 206-1) In case of concrete exposed to freeze / thaw cycles		C 30/37 XF4	C 30/37 XF4	C 30/37 XF4

The installation instructions and the relative example drawings are provided as an indication and do not take into account any specific characteristics of the place of installation, the particularities of the ground, the morphology and the position of any slopes. For particular installation methods, the indications must be provided by the technician in charge.

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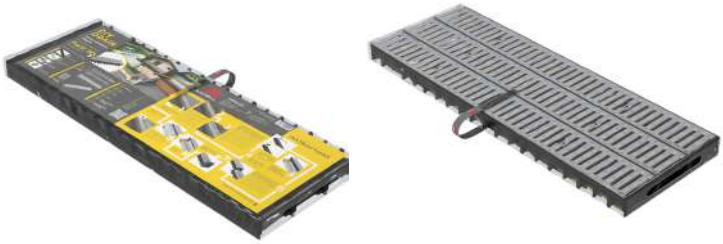
packaging

Packaging	Tripack ForMe
Item	3 linear meters ForMe H70 + Slotted ductile iron grating
Code	506151
Packaging dimensions	1000 x 360 x H86
Weight (Kg)	17,1
Quantity per pallet (number of package)	28
Linear meters per pallet	84
Pallet dimensions	800 x 1200 x H 1200

3 linear meters



84 linear meters

Item	ForMe 70 + slotted ductile iron grating
Code	1 linear meter channel + assembled grating
Description	502151
Quantity per pallet (linear meters)	120
Pallet dimension	800 x 1200 x H 1200

120 linear meters

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