# Technical Data Sheet AQUABOX STR

## 1. DESCRIPTION

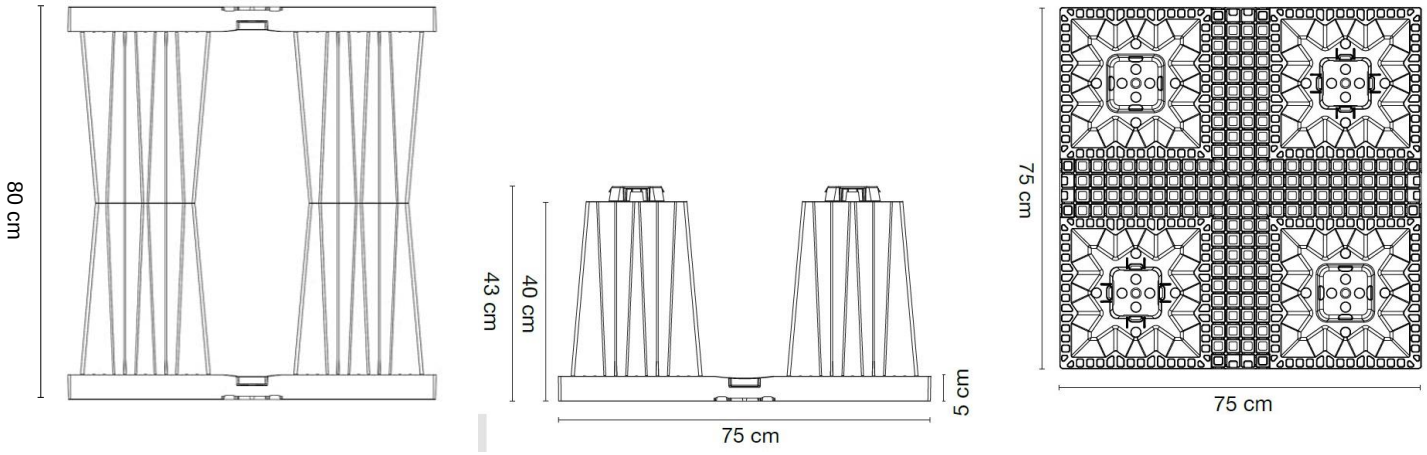
Aquabox is a modular and inspectable element in plastic material used for the realization of underground basins for rainwater infiltration, detention and harvesting.

## 2. TECHNICAL SPECIFICATIONS

| | | | |
|---|---|---|---|
| Material | | Regenerated polypropylene – Type: Graplene FV 5 | |
| Color | - | Black | |
| Dimensions [LxL] * | cm | 75 x 75 | |
| Height [h] * | cm | Half element<br>43 | Full element<br>80 |
| Weight ** | kg | 10,23 | 20,46 |
| Volume | liters | 225 | 450 |
| Net volume | liters | 216 | 432 |
| Void Ratio | % | 96 | |
| Load Class | - | SLW 30 | |
| Production place | - | Italy | |

** in consideration of the recycled material the measurements must be considered with a tolerance of ± 1.5%.*
*** varies according to the climatic conditions of the installation site (± 10%)*

## 3. TECHNICAL DRAWINGS




## 4. PACKAGING AND TRANSPORT

| | | |
|---|---|---|
| Product code | - | EDAQUFV0540 |
| Packaging dimensions | cm | 80 x 152 x H258 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pcs | 80 |
| Sqm per pallet | $m^3$ | 18 |
| Package gross weight (pallet included) | kg | 730 |

# Technical Data Sheet AQUABOX CUBE STR

## 5. DESCRIPTION

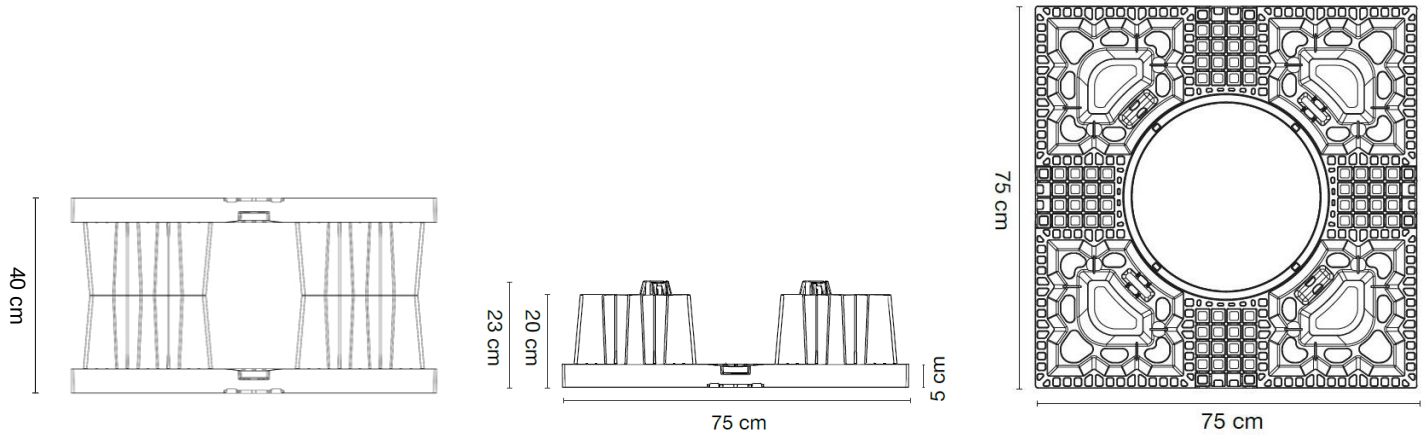
Aquabox Cube is a modular hollow element designed to make inspection shafts for the inspection and management of Aquabox underground tanks.

## 6. TECHNICAL SPECIFICATIONS

| | | | |
|---|---|---|---|
| Material | | Regenerated polypropylene – Type: Graplene FV 5 | |
| Color | - | Black | |
| Dimensions [LxL] * | cm | 75 x 75 | |
| Height [h] * | cm | Half element<br>23 | Full element<br>40 |
| Weight ** | kg | 7,37 | 14,74 |
| Volume | liters | 112 | 225 |
| Net volume | liters | 106 | 212 |
| Void Ratio | % | 94 | |
| Load Class | - | SLW 30 | |
| Production place | - | Italy | |

** in consideration of the recycled material the measurements must be considered with a tolerance of ± 1.5%.*
*** varies according to the climatic conditions of the installation site (± 10%)*

## 7. TECHNICAL DRAWINGS




## 8. PACKAGING AND TRANSPORT

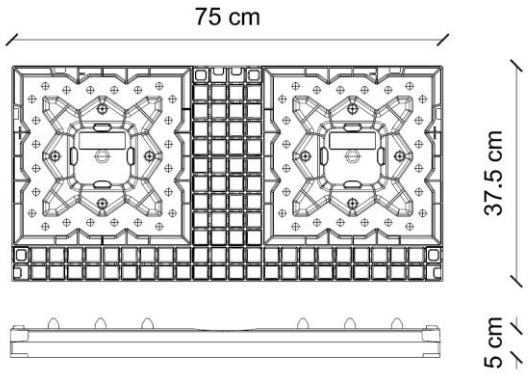
| | | |
|---|---|---|
| Product code | - | EDAQUFV0200 |
| Packaging dimensions | cm | 80 x 152 x H255 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pcs | 88 |
| Package gross weight (pallet included) | kg | 300 |

# Technical data sheet AQUABOX HALF BASE STR

## 9. DESCRIPTION

Element for making layers h 45cm, to be installed with single Aquabox piece.

## 10. TECHNICAL DRAWINGS




** considering recycled material, sizes should be considered with a tolerance of ± 1.5%*

## 11. TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Material | - | Regenerated PP<br>Type: Graplene FV5 |
| Dimension * | cm | 75 x 37,5 x H5 |
| Weight | kg | 2,74 (± 10%) |
| Production place | - | Italy |

** considering recycled material, sizes should be considered with a tolerance of ± 1.5%*

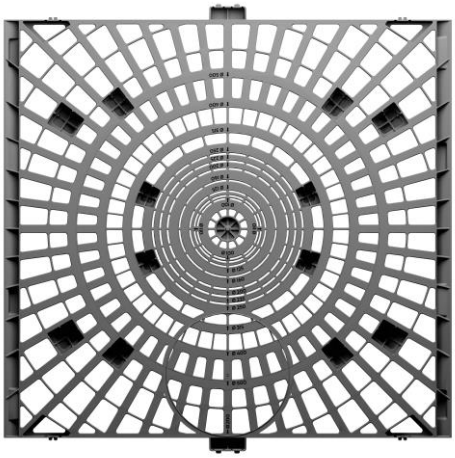
## 12. PACKAGING AND TRANSPORT

| | | |
|---|---|---|
| Product code | - | EDAQBHD3775 |
| Packaging dimensions | cm | 80 x 120 x H258 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pz | 144 |
| Package gross weight (pallet included) | kg | 405 |

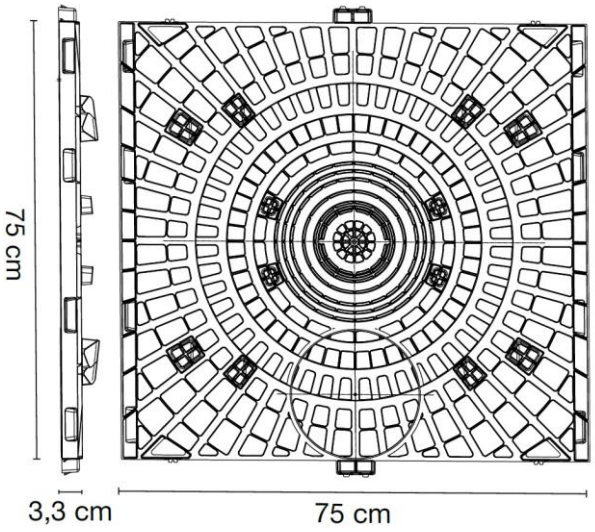
# Technical data sheet SIDEWALL GRID STR

## 13. DESCRIPTION

Aquabox Sidewall grid is used to close the lateral surface of the basin and is fixed to Aquabox with a simple integrated clip.



## 14. TECHNICAL DRAWINGS




** in consideration of the recycled material the measurements must be considered with a tolerance of ± 1.5%.*

## 15. TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Material | - | Regenerated polypropylene Type: Graplene FV 5 |
| Dimensions * | cm | 75 x 75 x H3,3 |
| Weight | kg | 2,74 (± 10%) |
| Pipe nominal diameter inlet/outlet (DN/OD) | cm | 100, 110, 125, 160, 200, 225, 250, 315, 400, 500 |
| Production place | - | Italy |

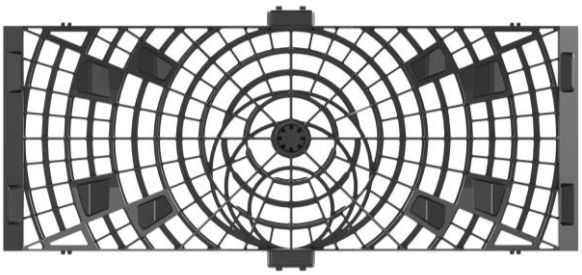
## 16. PACKAGING AND TRANSPORT

| | | |
|---|---|---|
| Product code | - | EDAQSWFV033 |
| Packaging dimensions | cm | 75 x 150 x H250 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pcs | 140 |
| Package gross weight (pallet included) | kg | 350 |

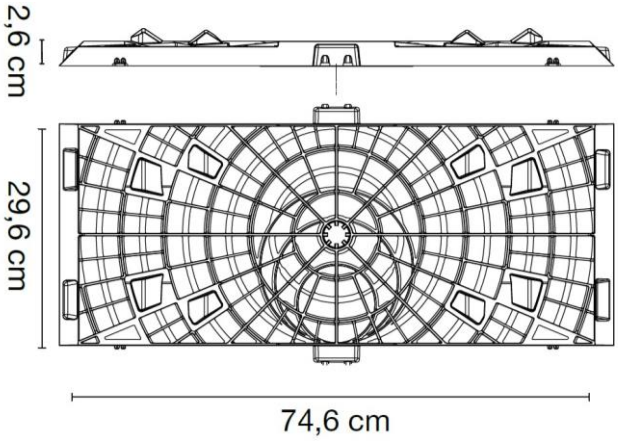
# Technical data sheet SIDEWALL GRID CUBE STR

## 17. DESCRIPTION

Aquabox Cube sidewall grid is used for the side closing of each module when the access point is installed at the perimeter or at the edge of the basin.



## 18. TECHNICAL DRAWINGS




** in consideration of the recycled material the measurements must be considered with a tolerance of ± 1.5%.*

## 19. TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Material | - | Regenerated polypropylene Type: Graplene FV 5 |
| Dimensions * | cm | 75 x 30 x H2,6 |
| Weight | kg | 1,36(± 10%) |
| Pipe nominal diameter inlet/outlet (DN/OD) | cm | 100,160, 200 |
| Production place | - | Italy |

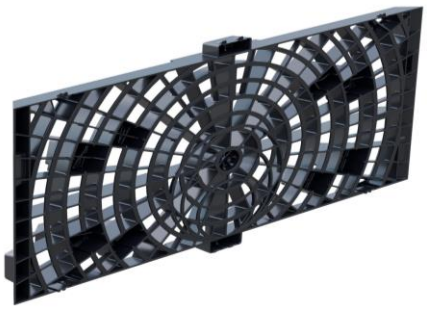
## 20. PACKAGING AND TRANSPORT

| | | |
|---|---|---|
| Product code | - | EDAQUFV0026 |
| Packaging dimensions | cm | 75 x 150 x H250 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pcs | 280 |
| Package gross weight (pallet included) | kg | 350 |

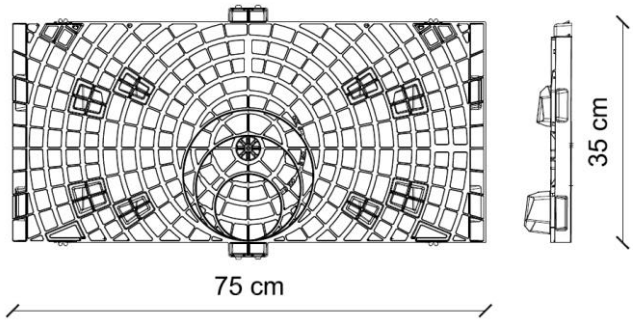
# Technical data sheet AQUABOX HALF GRID STR

## 21. DESCRIPTION

Side closure element for Aquabox Half Base.



## 22. TECHINCAL DRAWINGS




** considering recycled material, sizes should be considered with a tolerance of ± 1.5%.*

## 23. TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Material | - | Regenerated polypropylene Type: Graplene FV5 |
| Dimension * | cm | 75 x 35 |
| Weight | kg | 1.40 (± 10%) |
| Place of production | - | Italy |

** considering recycled material, sizes should be considered with a tolerance of ± 1.5%*

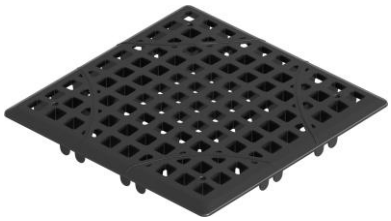
## 24. PACKAGING AND TRANSPORT

| | | |
|---|---|---|
| Product code | - | EDAQHSC0035 |
| Packaging dimensions | cm | 85 x 120 x H258 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pz | 237 |
| Package gross weight (pallet included) | kg | 345 |

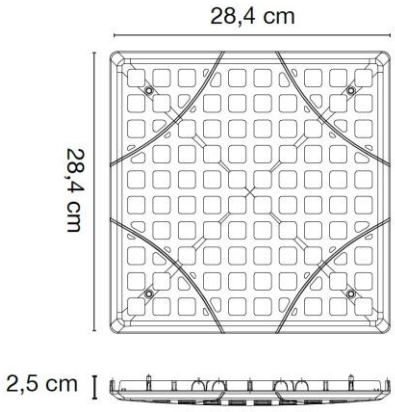
# Technical data sheet STR TOP CAP

## 25. DESCRIPTION

Perforated closing cap for the top surface of the Aquabox and Aquabox Cube element.



## 26. TECHNICAL DRAWINGS




## 27. TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Material | - | Regenerated polypropylene Type: Graplene FV 5 |
| Dimensions * | cm | 28,4 x 28,4 x H2,5 |
| Weight | kg | 0,36 (± 10%) |
| Production place | - | Italy |

** in consideration of the recycled material the measurements must be considered with a tolerance of ± 1.5%.*

## 28. PACKAGING AND TRANSPORT

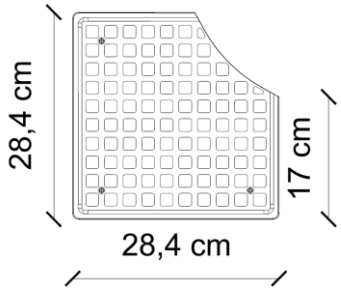
| | | |
|---|---|---|
| Product code | - | EDAQTFV0524 |
| Packaging dimensions | cm | 90 x 120 x H255 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pcs | 1200 |
| Package gross weight (pallet included) | kg | 410 |

# Technical data sheet AQUABOX CUBE TOP CAP STR

## 1. DESCRIPTION

Element for upper basin closure, specifically for Aquabox Cube, walkable for system installation.

## 2. TECHNICAL DRAWINGS




## 3. TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Material | - | Regenerated polypropylene<br>Type: Graplene FV5 |
| Dimension * | cm | 28,4 x 28,4 x H2,5 |
| Weight | kg | 0,26 (± 10%) |
| Place of production | - | Italy |

## 4. PACKAGING AND TRANSPORT

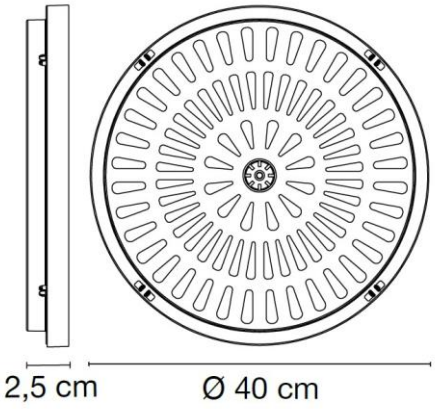
| | | |
|---|---|---|
| Product code | - | EDACTOFV050 |
| Packaging dimensions | cm | 90 x 120 x H255 |
| Type of packaging | - | Stacked and wrapped with plastic film |
| Pieces per pallet | pz | 1200 |
| Package gross weight (pallet included) | kg | 370 |

# Technical data sheet D4 STR CAP

## 29. DESCRIPTION

Circular lid to close the bottom side of the Aquabox Cube inspection shaft.

## 30. TECHNICAL DRAWINGS




** in consideration of the recycled material the measurements must be considered with a tolerance of ± 1.5%.*

## 31. TECHNICAL SPECIFICATIONS – PACKAGING AND TRANSPORT

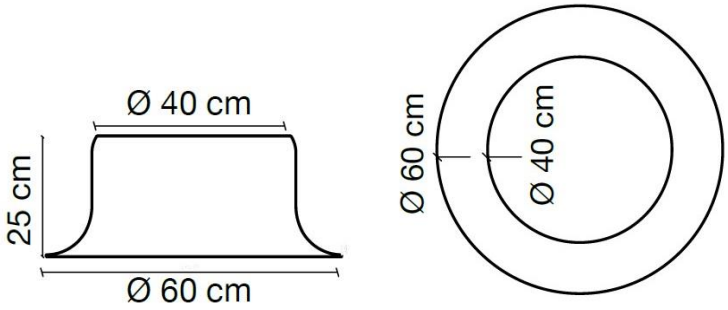
| | | |
|---|---|---|
| Product code | - | EDAQUFV0400 |
| Material | - | Regenerated polypropylene<br>Type: Graplene FV 5 |
| Dimensions | cm | 2,5 - Ø 40 |
| Weight | kg | 1,11 (± 10%) |
| Packaging dimensions | cm | 82 x 122 x H258 |
| Pieces per pallet | | 312 |
| Production place | - | Italy |

# Technical data sheet D4 CONNECTOR

## 32. DESCRIPTION

Connection element to facilitate the insertion of the corrugated tube into the Aquabox Cube pit.

## 33. TECHNICAL DRAWINGS



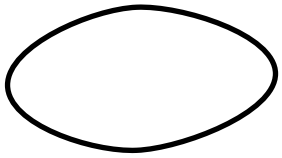

## 34. TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Product code | - | EDCONND0040 |
| Material | - | ABS – Type: Gratene Black |
| Dimensions | cm | Ø 40 x 25 |
| Weight | kg | 1,3 |
| Production place | - | Italy |

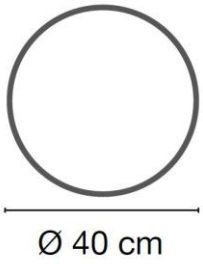
# Technical data sheet O-RING

## 35. DESCRIPTION

Sealing gasket



## 36. TECHNICAL DRAWINGS



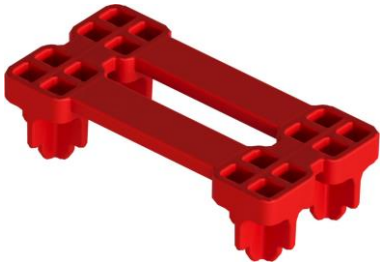

## 37. TECHNICAL SPECIFICATIONS

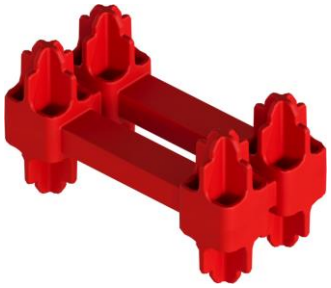
| | | |
|---|---|---|
| Product code | - | EDGUARA0040 |
| Material | - | Elastomer |
| Dimensions | cm | Ø 40 x 3,7 |
| Weight | kg | 0,51 |
| Production place | - | Italy |

# Technical data sheet JOINTS

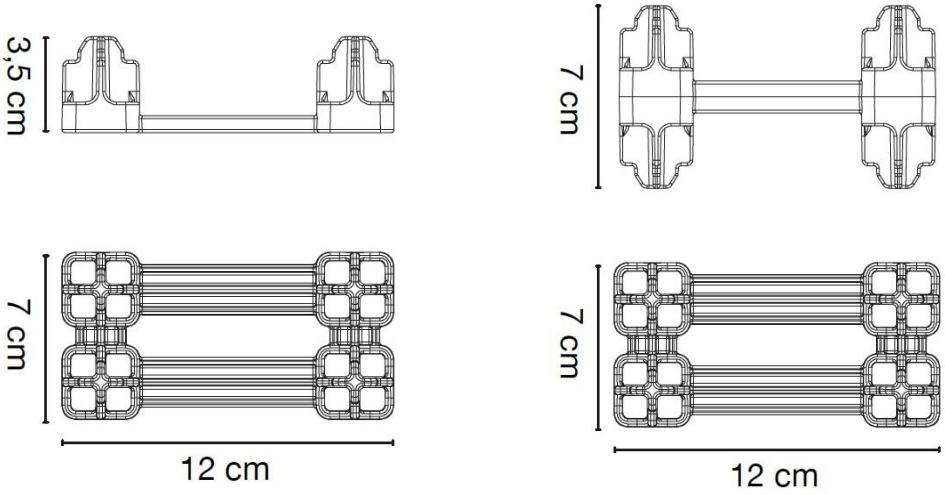
## 38. DESCRIPTION

Universal connection components for Aquabox and Aquabox Cube





## 39. TECHNICAL DRAWINGS




## 40. TECHNICAL SPECIFICATIONS – PACKAGING AND TRANSPORT

| | | | |
|---|---|---|---|
| Product code | - | EDAQJOI0035 | EDAQJOI0070 |
| Material | - | Polypropylene - Type: Graplene VN | |
| Color | - | Red | |
| Dimensions | cm | Single<br>12 x 7 x H3,5 | Double<br>12 x 7 x H7 |
| Weight | kg | 0,042 (± 10%) | 0,073 (± 10%) |
| Pieces per bag | | 400 | 300 |
| Production place | - | Italy | Italy |