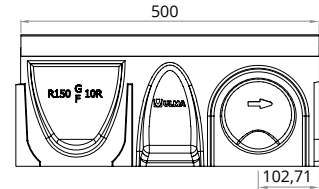
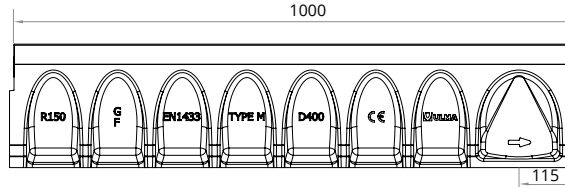
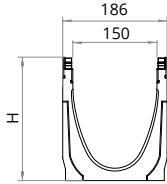




ULMA Linear Drainage Channel, type MULTIV+ R150G; External width 186 mm, Internal width 150 mm, with overall heights between 80 and 320 mm; suitable for cascade-type slopes to collect rainwater; sections 1 LM in length; optimized V-shape with self-cleaning effect; especially designed for channel runs with no longitudinal slope; galvanised steel or ductile iron edges (2) for lateral protection; Either **Rapidlock®** boltless system or screw-fastened. 8 locking points per linear metre.



## CHANNELS

| Channel Code          |                    | L<br>mm | H<br>mm |       | Width<br>mm |     | Ø Outlet*<br>mm |      | Hydraul.<br>Section<br>cm² | Units<br>x pallet | Weight<br>Kg | Qref<br>l/s |
|-----------------------|--------------------|---------|---------|-------|-------------|-----|-----------------|------|----------------------------|-------------------|--------------|-------------|
| Galvanised edges      | Ductile Iron edges |         | Initial | Final | Z           | X   | Vert.           | Hor. |                            |                   |              |             |
| R150GH8**             | -                  | 1000    | 80      | 80    | 186         | 150 | 160             | -    | 60                         | 50                | 14,0         | 1,33        |
| R150GH12**            | -                  | 1000    | 120     | 120   | 186         | 150 | 160             | -    | 119                        | 50                | 16,1         | 4,12        |
| R150G00R              | R150MFG00R         | 1000    | 170     | 170   | 186         | 150 | 160             | -    | 156                        | 45                | 21,6         | 6,33        |
| R150G10R              | R150MFG10R         | 1000    | 220     | 220   | 186         | 150 | 160             | -    | 218                        | 36                | 24,4         | 10,76       |
| R150G11               | R150MFG11          | 1000    | 220     | 225   | 186         | 150 | 160             | -    | 225,5                      | -                 | 24,4         | -           |
| R150G12               | R150MFG12          | 1000    | 225     | 230   | 186         | 150 | 160             | -    | 231,9                      | -                 | 25,0         | -           |
| R150G13               | R150MFG13          | 1000    | 230     | 235   | 186         | 150 | 160             | -    | 238,3                      | -                 | 25,4         | -           |
| R150G14               | R150MFG14          | 1000    | 235     | 240   | 186         | 150 | 160             | -    | 244,6                      | -                 | 26,0         | -           |
| R150G15               | R150MFG15          | 1000    | 240     | 245   | 186         | 150 | 160             | -    | 251                        | -                 | 26,1         | -           |
| R150G16               | R150MFG16          | 1000    | 245     | 250   | 186         | 150 | 160             | -    | 257,4                      | -                 | 26,6         | -           |
| R150G17               | R150MFG17          | 1000    | 250     | 255   | 186         | 150 | 160             | -    | 263,8                      | -                 | 27,0         | -           |
| R150G18               | R150MFG18          | 1000    | 255     | 260   | 186         | 150 | 160             | -    | 270,2                      | -                 | 27,4         | -           |
| R150G19               | R150MFG19          | 1000    | 260     | 265   | 186         | 150 | 160             | -    | 276,5                      | -                 | 27,8         | -           |
| R150G20               | R150MFG20          | 1000    | 265     | 270   | 186         | 150 | 160             | -    | 283                        | -                 | 28,3         | -           |
| R150G20R              | R150MFG20R         | 1000    | 270     | 270   | 186         | 150 | 160             | -    | 283                        | 36                | 28,2         | 16,14       |
| R150G30R              | R150MFG30R         | 1000    | 320     | 320   | 186         | 150 | 160             | -    | 350                        | 27                | 31,5         | 22,34       |
| <b>0,5 M CHANNELS</b> |                    |         |         |       |             |     |                 |      |                            |                   |              |             |
| R150G00RM             | R150MFG00RM        | 500     | 170     | 170   | 186         | 150 | 110             | 90   | 156                        | 60                | 12,5         | -           |
| R150G10RM             | R150MFG10RM        | 500     | 220     | 220   | 186         | 150 | 110             | 125  | 218                        | 50                | 14,6         | -           |
| R150G20RM             | R150MFG20RM        | 500     | 270     | 270   | 186         | 150 | 110             | 160  | 283                        | 40                | 17,7         | -           |

\* Vert. and horiz. outlets on order.

\*\* U shaped section.

\*\*\* Available channels with blocking screws (Code: R100F).

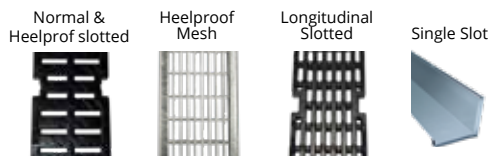


(1) For cross-drainage in heavy traffic areas, we recommend our KOMPAQDRAIN® system.

(2) Available Range in Stainless Steel (Code: R100GX).

# MULTIV+150

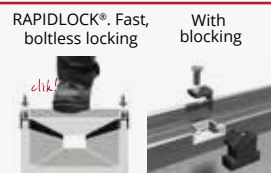
## GRATINGS



| Material         | Design                  | Load | Code             | L mm | Width mm | Opening mm | Units x ml | Weight kg | Intake area cm <sup>2</sup> /ml |
|------------------|-------------------------|------|------------------|------|----------|------------|------------|-----------|---------------------------------|
| DUCTILE IRON     | HEELPROOF SLOTTED       | C250 | FNHX150RGCM      | 500  | 177      | 8          | 2          | 5,4       | 391                             |
|                  | SLOTTED                 | D400 | FNX150RGDM       | 500  | 177      | 14         | 2          | 5,5       | 671                             |
|                  | HEELPROOF SLOTTED       | D400 | FNHX150RGDM      | 500  | 177      | 8          | 2          | 6,1       | 390                             |
|                  | HEELPROOF LONG. SLOTTED | D400 | FNLHX150RGDEM    | 500  | 177      | 8          | 2          | 8,9       | 384                             |
| GALVANISED STEEL | MESH (1)                | C250 | GEHX150RGC       | 1000 | 177      | 30 x 10    | 1          | 7,7       | 1057                            |
|                  | SINGLE SLOT (1)         | D400 | GRL150RODH200E18 | 1000 | 181      | 18 / H200  | 1          | 11,7      | 180                             |
|                  | SINGLE SLOT (1)         | D400 | GRL150ROD        | 1000 | 181      | 9,8 / H105 | 1          | 9,0       | 98                              |
|                  | SINGLE SLOT (1)         | D400 | GRL150RODE18     | 1000 | 181      | 18 / H105  | 1          | 8,2       | 180                             |
|                  | SINGLE SLOT (1)         | D400 | GRL150RODH150    | 1000 | 181      | 9,8 / H150 | 1          | 9,9       | 98                              |
|                  | SINGLE SLOT (1)         | D400 | GRL150RODH150E18 | 1000 | 181      | 18 / H150  | 1          | 9,9       | 180                             |
|                  | SINGLE SLOT (1)         | D400 | GRL150RODH200    | 1000 | 181      | 9,8 / H200 | 1          | 11,3      | 98                              |

(1) Available in stainless steel, consult design

## LOCKING SYSTEM



| Rapidlock | With blocking                 |          |   |
|-----------|-------------------------------|----------|---|
|           | Code                          | Units ml |   |
| (2)       | TR615+<br>BLOCK-<br>PRG18020T | 8 + 8    |   |
| (2)       |                               | 8 + 8    |   |
| (2)       |                               | 8 + 8    |   |
| (2)       |                               | 8 + 8    |   |
| (2)       |                               | 8 + 8    |   |
| (2)       |                               | 8 + 8    |   |
| (2)       |                               | (3)      | - |
| (2)       |                               | (3)      | - |

(1) Integrated into the channel  
(2) Supported

## SUMP UNITS

|  | Code             |                    | L mm | H mm | Width mm | Lateral outlets Ø mm | Front outlet Ø mm | Sump units | Weight Kg |
|--|------------------|--------------------|------|------|----------|----------------------|-------------------|------------|-----------|
|  | Galvanised edges | Ductile Iron edges |      |      |          |                      |                   |            |           |
|  | AR150G           | AR150MFG           |      |      |          |                      |                   |            |           |

## BUCKET

|  | Code  |
|--|-------|
|  | CR150 |

AR150G TCR150G20MMA AR150G

R150G20 R150G19 R150G18 ..... R150G13 R150G12 R150G11 R150G11 R150G12 R150G13 ..... R150G18 R150G19 R150G20

Sump unit AR150G  
Outlet Diam. 110/160/200

**POLYMER CONCRETE CHANNEL WITH PRESLOPED OF 0.5%**


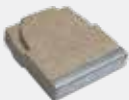

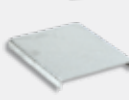

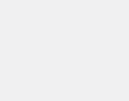
- Self-cleaning effect.
- Minimum maintenance.

## SLOPE DESIGNS



# MULTIV+150

## END CAPS


|   | Code channel           | Material         | Open               |      |           | Closed            |
|---|------------------------|------------------|--------------------|------|-----------|-------------------|
|   |                        |                  | Code               | Ø mm | Accessory | Code              |
|    | R150GH8                | GALVANISED STEEL | -                  | -    | -         | TR150H8C          |
|   |                        | POLYMER CONCRETE | -                  | -    | -         | THPR150GH8C (1)   |
|    | R150GH12               | GALVANISED STEEL | -                  | -    | -         | TR150H12C         |
|   |                        | POLYMER CONCRETE | -                  | -    | -         | THPR150GH12C (1)  |
|    | R150G00R<br>R150MFG00R | GALVANISED STEEL | TR15000A           | 110  | -         | TR15000C          |
|   |                        | POLYMER CONCRETE | THPR150G00AJ (1)   | 110  | Joint     | -                 |
|   |                        | POLYMER CONCRETE | THPR150MFG00AT (1) | 110  | Pipe      | THPR150G00C (1)   |
|   |                        | POLYMER CONCRETE | THPR150MFG00AJ (2) | 110  | Joint     | THPR150MFG00C (2) |
|    | R150G10R<br>R150MFG10R | GALVANISED STEEL | TR15010A           | -    | -         | TR15010C          |
|   |                        | POLYMER CONCRETE | THPR150G10AJ (1)   | 160  | Joint     | -                 |
|   |                        | POLYMER CONCRETE | THPR150G10AT (1)   | 160  | Pipe      | THPR150G10C (1)   |
|   |                        | POLYMER CONCRETE | THPR150MFG10AJ (2) | 160  | Joint     | THPR150MFG10C (2) |
|    | R150G20R<br>R150MFG20R | POLYMER CONCRETE | THPR150MFG10AT (2) | 160  | Pipe      | -                 |
|   |                        | GALVANISED STEEL | TR15020A           | -    | -         | TR15020C          |
|   |                        | POLYMER CONCRETE | THPR150G20AJ (1)   | 160  | Joint     | -                 |
|   |                        | POLYMER CONCRETE | THPR150G20AT (1)   | 160  | Pipe      | THPR150G20C (1)   |
|  | R150G30R<br>R150MFG30R | POLYMER CONCRETE | THPR150MFG20AJ (2) | 160  | Joint     | THPR150MFG20C (2) |
|   |                        | POLYMER CONCRETE | THPR150MFG20AT (2) | 160  | Pipe      | -                 |
|   |                        | GALVANISED STEEL | TR15030A           | -    | -         | TR15030C          |
|   |                        | POLYMER CONCRETE | THPR150G30AJ (1)   | 160  | Joint     | -                 |
|   |                        | POLYMER CONCRETE | THPR150G30AT (1)   | 160  | Pipe      | THPR150G30C (1)   |
|   |                        | POLYMER CONCRETE | THPR150MFG30AJ (2) | 160  | Joint     | THPR150MFG30C (2) |
|   |                        | POLYMER CONCRETE | THPR150MFG30AT (2) | 160  | Pipe      | -                 |

\*End caps also available with stainless steel edge.

(1) Galvanised steel edge

(2) Ductile Iron edge


## CONNECTORS

|  | Code channel | Material     | Open end caps   |                   |
|---|--------------|--------------|-----------------|-------------------|
|   |              |              | Galvanised edge | Ductile Iron edge |
|   | R150G00R     | POLYMERBETON | TCR150G00MMA    | TCR150MF00MMA     |
|   | R150G10R     | POLYMERBETON | TCR150G10MMA    | TCR150MF10MMA     |
|   | R150G20R     | POLYMERBETON | TCR150G20MMA    | TCR150MF20MMA     |
|   | R150G30R     | POLYMERBETON | TCR150G30MMA    | TCR150MF30MMA     |

## ACCESSORIES

|  | Step Units |
|---|------------|
|   | Code       |
|   | CER150     |

To install in the changes of height with cascaded slope.

|  | Security lock |                 |
|---|---------------|-----------------|
|   | Code          | Units x channel |
|   | BLOQPRG18020  | 8               |

