

## Specifications DELTA-U

### ***G025 series***

Trench drain element type I in accordance with EN1433:

- Self-supporting, no additional shoring required.
- In accordance with load classes D400-F900 (*delete where not applicable*), with adapted (sub-)foundation that can transfer the load to the underground.
- C60/75 grade, reinforced, self-compacting concrete.
- Environmental class XC4, XF4, XD3.
- Dimensionally stable, smooth finish. Smooth inside contributes to better hydraulic properties.
- Has certified lifting elements for safe placement.
- Internal WxH: (*delete where not applicable*)
  - o W: 300-400-500-600mm
  - o H: 250<sup>(\*)</sup>-300-400-450<sup>(\*\*)</sup>-500-600-700  
*(\*) only W:300mm*  
*(\*\*) only W:500mm*

The concealed drains have galvanised steel protective edges that meet the following conditions:

- Profile at least 4mm high in accordance with EN1433.
- Anchoring of the profile in the drain can withstand a lateral force of at least 40 kN over a width of 20cm in both directions.

The cast-iron grates meet the following conditions:

- Ductile iron EN-GJS-500-7.
- Anchored with 4 (*antitheft delete where not applicable*) stainless steel bolts in the drain element. The bolts are already mounted in the steel protective edges to prevent dirt getting into the anchor sockets during storage and placement on the construction site.
- Anti-slip in accordance with EN124.
- Suitable for wheelchairs in any direction.
- Suitable for bicycles.

The range of concealed drains has adapted sand traps and end caps, to be provided exclusively by the supplier of the drain elements. Customised connectors can be provided. Maximum 1% of the stretch's length may be corrected by grinding on site.

## ***B000 series***

Drain element type I in accordance with EN1433:

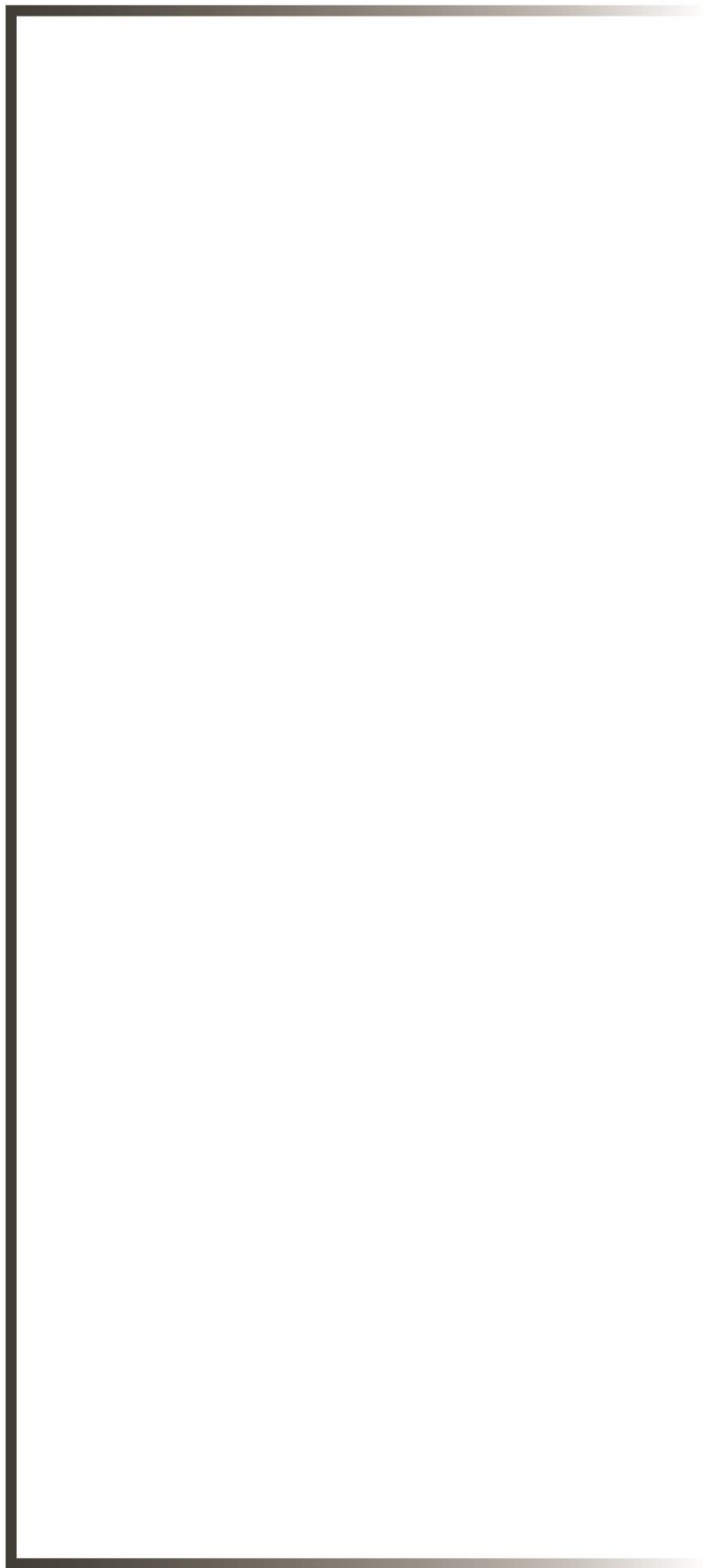
- Self-supporting, no additional shoring required on location.
- In accordance with load class D400, with adapted (sub-)foundation that can transfer the load to the underground.
- C60/75 grade, reinforced, self-compacting concrete.
- Environmental class XC4, XF4, XD3.
- Dimensionally stable, smooth finish. Smooth inside contributes to better hydraulic properties.
- Has certified lifting elements for safe placement.
- Internal WxH: *(delete where not applicable)*
  - o W: 300-400-500-600mm
  - o H: 250<sup>(\*)</sup>-300-400-450<sup>(\*\*)</sup>-500-600-700

*(\*) only W:300mm*  
*(\*\*) only W:500mm*

The concrete covers meet the following conditions:

- C60/75 grade, reinforced, self-compacting concrete.
- Contact sides of the drain and cover must be smooth.
- The concrete lid must always be supported in the drain element on a neoprene strip at least 3mm high and 40mm wide.

The range of drains has adapted sand traps and end caps, to be provided exclusively by the supplier of the drain elements. Customised connectors can be provided. Maximum 1% of the stretch's length may be corrected by grinding on site.



## ***B050 series***

Drain element type I in accordance with EN1433:

- Self-supporting, no additional shoring required on location.
- In accordance with load class A15, with adapted (sub-)foundation that can transfer the load to the underground.
- C60/75 grade, reinforced, self-compacting concrete.
- Environmental class XC4, XF4, XD3.
- Dimensionally stable, smooth finish. Smooth inside contributes to better hydraulic properties.
- Has certified lifting elements for safe placement.
- Internal WxH: *(delete where not applicable)*
  - o W: 300-400-500-600mm
  - o H: 250<sup>(\*)</sup>-300-400-450<sup>(\*\*)</sup>-500-600-700

*(\*) only W:300mm*  
*(\*\*) only W:500mm*

The concrete covers meet the following conditions:

- C60/75 grade, reinforced, self-compacting concrete.
- Contact sides of the drain and cover must be smooth.

The range of drains has adapted sand traps and end caps, to be provided exclusively by the supplier of the drain elements. Customised connectors can be provided. Maximum 1% of the stretch's length may be corrected by grinding on site.

## ***B150 series***

Drain element type I in accordance with EN1433:

- Self-supporting, no additional shoring required on location.
- In accordance with load class D400, with adapted (sub-)foundation that can transfer the load to the underground.
- C60/75 grade, reinforced, self-compacting concrete.
- Environmental class XC4, XF4, XD3.
- Dimensionally stable, smooth finish. Smooth inside contributes to better hydraulic properties.
- Has certified lifting elements for safe placement.
- Internal WxH: *(delete where not applicable)*
  - o W: 300-400-500-600mm
  - o H: 250<sup>(\*)</sup>-300-400-450<sup>(\*\*)</sup>-500-600

*(\*) only W:300mm*  
*(\*\*) only W:500mm*

The concrete covers meet the following conditions:

- C60/75 grade, reinforced, self-compacting concrete.
- Contact sides of the drain and cover must be smooth.
- The concrete lid must always be supported in the drain element on a neoprene strip at least 3mm high and 40mm wide.

The range of drains has adapted sand traps and end caps, to be provided exclusively by the supplier of the drain elements. Customised connectors can be provided. Maximum 1% of the stretch's length may be corrected by grinding on site.