

## FLOOR DRAIN – Vertical deep floor drain

**Part No.**  
**141881**

**Type D10S20**

100mm diameter outlet with hinged Heelguard 200mm x 200mm grate

### Product Features

#### 1. Stainless steel height adjustable assembly\* with lockable Heelguard grate secured with M6 Hex socket screws



Load Class L15 (EN 1253), similar to Class A10kN (AS 3996)



Grates designed to resist the penetration of a 8mm heel. ASME A112.6.3 (Section 7.12) compliant – American high heel Standard



AS 3996 (Clause 3.3.5) compliant for surface openings in pedestrian areas



AS 1428.2 (Clause 9c) compliant for wheelchair and walking cane safety



AS 3996 (Clause 3.3.6) compliant for bicycle tyre penetration resistance

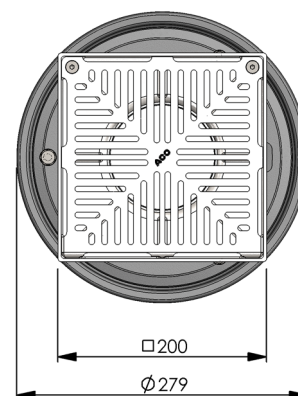
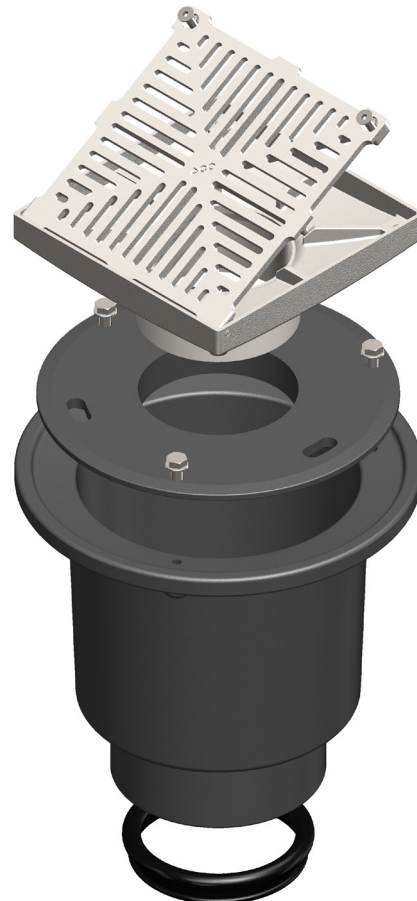
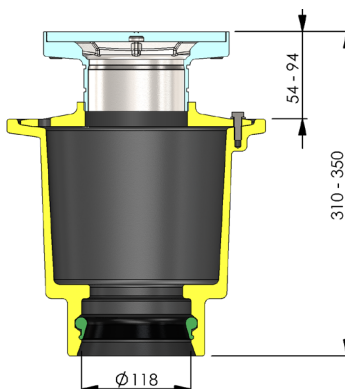
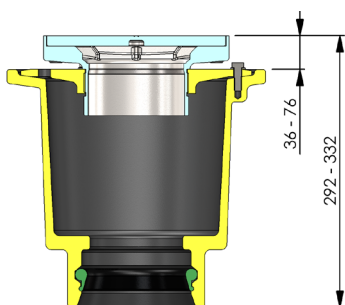
\* Optional fixed and removable strainer baskets available

#### 2. Cast iron body

- Cast iron clamp ring (secured with 3 x M8 Hex head bolts) incorporates weep holes to ensure integrity of rolled waterproof membrane
- Nitrile rubber seal for push-fit connection to suit PVC and HDPE pipe

#### 3. Hydraulic data

- Intake area: 13,734 mm<sup>2</sup>
- 5.59 L/s (based on 20mm head of water)



**Note:** All dimensions are in mm

ACO Specification Information

## Specification Clause

This floor drain shall be ACO Wexel Type D10S20 (Part No. 141881). The drain body is to suit a 100mm diameter vertical outlet.

The drain grate shall be Heelguard, 200mm x 200mm square grate (hinged) with optional removable strainer\* (Part No. 141920) and a fixed strainer\* (Part No. 141921).

### Materials and Design

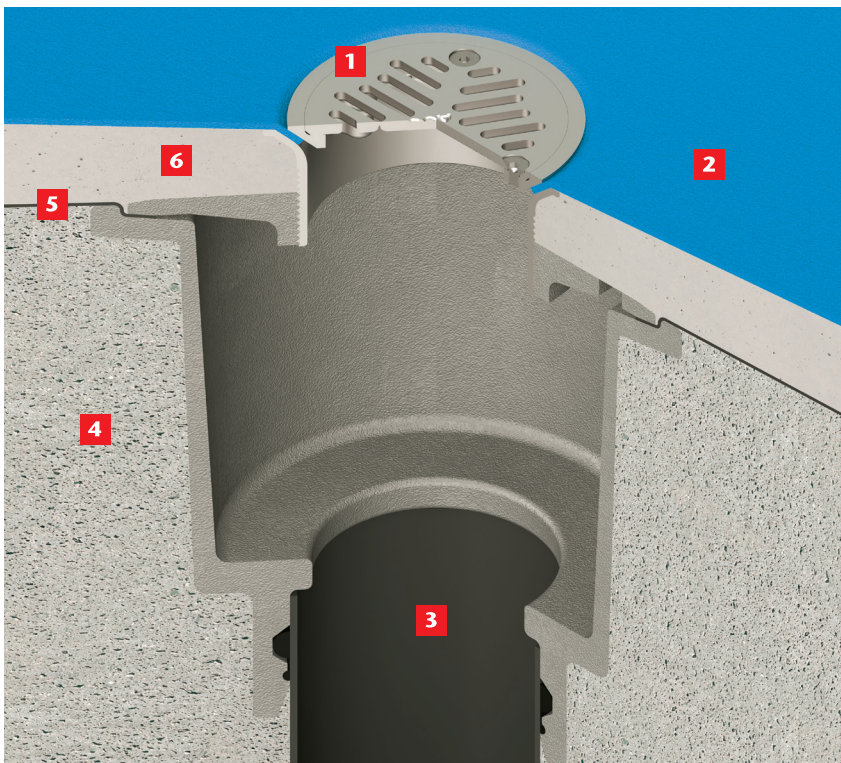
The grate shall be cast stainless steel, lockable with 2 x M6 Hex socket screws. The grate shall be hinged.

For strength and pedestrian safety, the grate shall be designed to meet load class L15kN (EN 1253), comply with AS 1428.2 (Clause 9c), AS 3996 (Clause 3.3.5 and 3.3.6) and ASME A112.6.3 (Section 7.12).

The iron body shall have a cast iron membrane clamp ring (secured with 3 x M8 Hex head bolts) incorporating weep holes. For push-fit pipe connection, the body shall have a nitrile rubber seal.



## General Installation Illustration



### Full bodied vertical deep floor drain installed in vinyl floor

- 1** Floor drain – D10V14 shown
- 2** Vinyl sheet
- 3** Outlet pipe – HDPE or PVC
- 4** Concrete slab
- 5** Waterproof membrane
- 6** Screed / mortar

**Note:** The illustration is shown for guidance only and shows a typical drain and not necessarily the specific type described on the data sheet.

For downloadable drawings, visit [www.acowexel.com.au](http://www.acowexel.com.au)

### ACO Polycrete Pty Ltd, Australia

Ph: 1300 765 226  
[www.acowexel.com.au](http://www.acowexel.com.au)  
[sales@acoaus.com.au](mailto:sales@acoaus.com.au)

### ACO Limited, New Zealand

Ph: 0800 448 080  
[www.acowexel.co.nz](http://www.acowexel.co.nz)  
[sales@aconz.co.nz](mailto:sales@aconz.co.nz)

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