

## FLOOR DRAIN – Vertical floor drain with puddle flange

**Part No.**  
**141893**

**Type R10S30**

100mm diameter outlet with hinged Heelguard 300mm x 300mm grate

### Product Features

#### 1. Stainless steel height adjustable assembly with lockable hinged 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



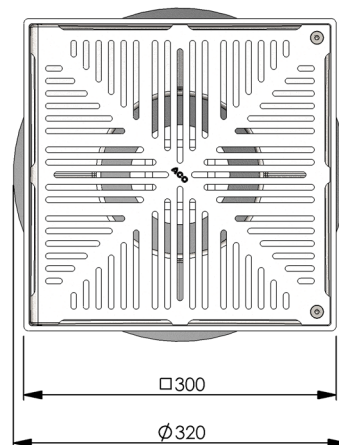
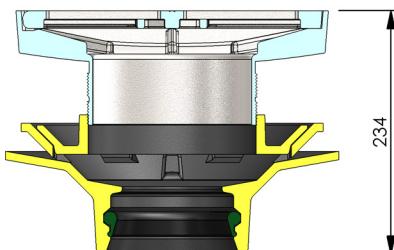
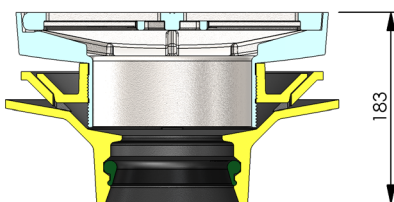
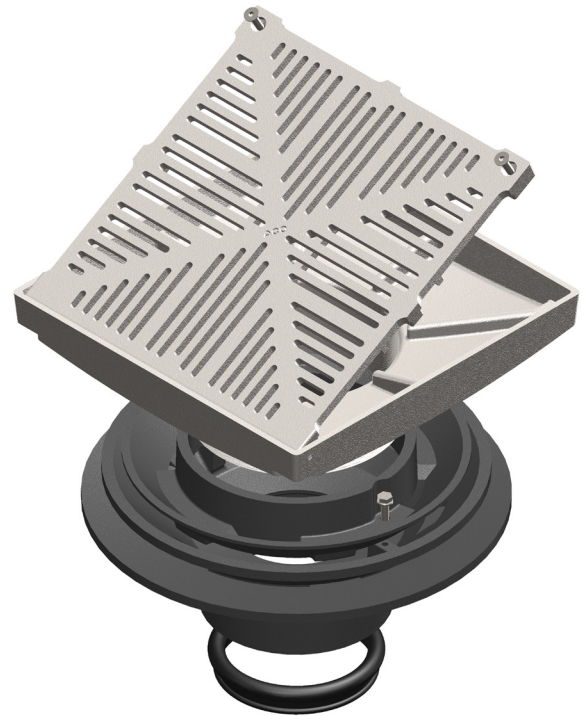
AS 3996 (Clause 3.3.6) compliant for bicycle tyre penetration resistance

#### 2. Cast iron body

- Cast iron clamp ring (secured with 2 x M6 Hex head bolts) incorporates weep holes to ensure integrity of rolled waterproof membrane
- Integral puddle flange incorporates weep holes to ensure integrity of subsurface waterproof (liquid) membrane
- Nitrile rubber seal for push-fit connection to suit PVC and HDPE pipe

#### 3. Hydraulic data

- Intake area: 28,310 mm<sup>2</sup>
- 11.53 L/s (based on 20mm head of water)



**Note:** All dimensions are in mm

## Specification Clause

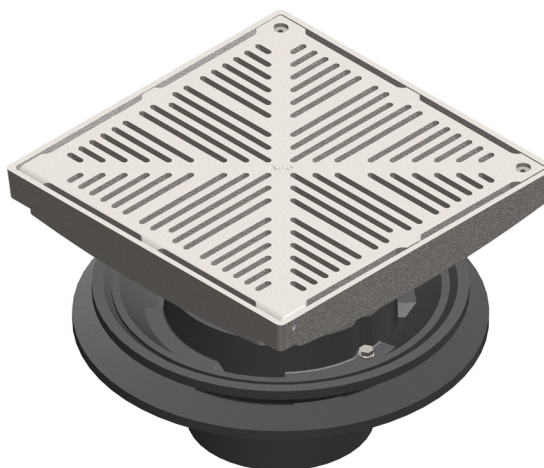
This floor drain shall be ACO Wexel Type R10S30 (Part No. 141893) with puddle flange. The drain grate shall be Heelguard, 300mm x 300mm square grate (hinged) with an optional removable strainer (Part No. 141920). The drain body is to suit a 100mm diameter vertical outlet.

### Materials and Design

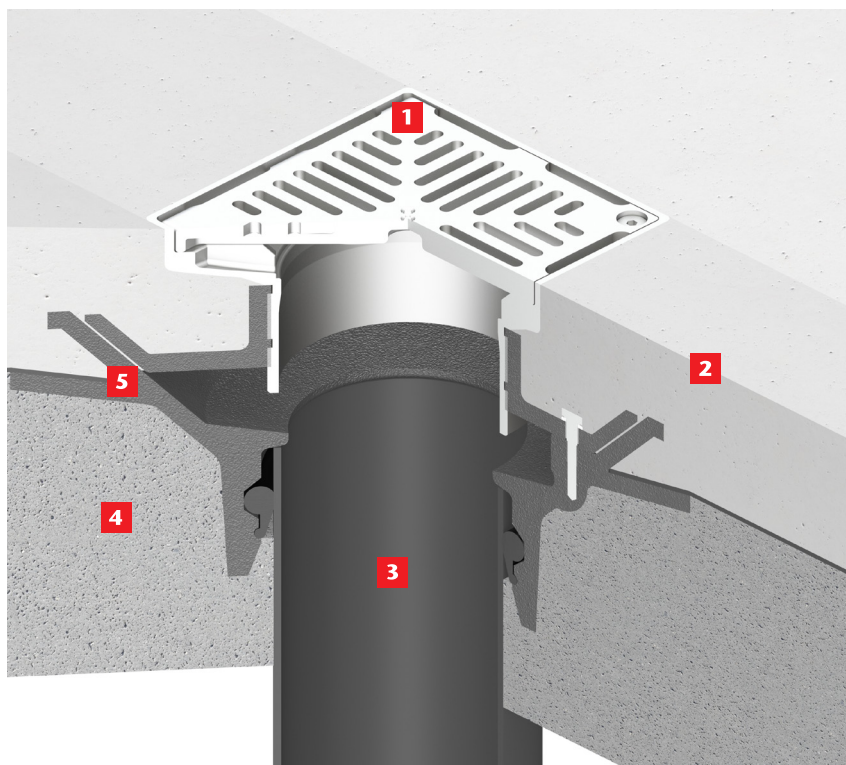
The grate shall be cast stainless steel, lockable with 2 x M6 Hex socket screws. The grate shall be hinged.

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 2 x M6 Hex head bolts) and puddle flange both incorporating weep holes. For push-fit pipe connection, the body shall have a nitrile rubber seal.



## General Installation Illustration



### Full bodied vertical floor drain with puddle flange installed in screed floor

- 1** Floor drain – R10S15 shown
- 2** Screed/mortar
- 3** Outlet pipe – HDPE or PVC
- 4** Concrete slab
- 5** Waterproof membrane

**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)

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