





## ROOF DRAIN – Flat Grate

**Part No.**  
141905

**Type R10PL**  
100mm diameter outlet with 250mm diameter light duty flat grate

### Product Features

#### 1. Hot dip galvanised iron lockable grate secured with M12 Hex head socket screw

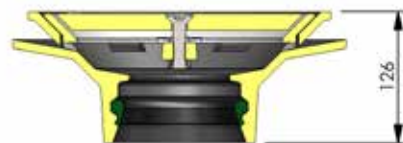
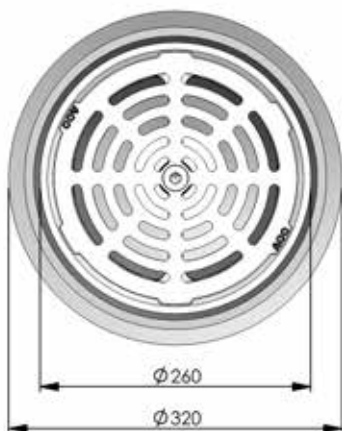
-  Load Class L15 (EN 1253), similar to Class A10kN (AS 3996)
-  AS 3996 (Clause 3.3.5) compliant for surface openings in pedestrian areas
-  AS 1428.2 (Clause 9c) compliant for wheelchair and walking cane safety
-  AS 3996 (Clause 3.3.6) compliant for bicycle tyre penetration resistance

#### 2. Cast iron body

- Cast iron clamp ring (secured with M6 Hex head bolt) incorporates weep holes to ensure integrity of rolled waterproof roof membrane
- Integral puddle flange incorporates weep holes to ensure integrity of subsurface waterproof (liquid) membrane
- Nitrile rubber seal for push-fit connection to suit all types of drainage pipe

#### 3. Hydraulic data

- Intake area: 15,180 mm<sup>2</sup>
- 6.18 L/s (based on 20mm head of water)



**Note:** All dimensions are in mm

## Specification Clause

The roof drain shall be ACO Wexel Type R10PL (Part No. 141905), 100mm diameter outlet with 250mm diameter light duty flat grate.

### Materials and Design

The grate shall be hot dip galvanised iron, lockable with M12 Hex head socket screw.

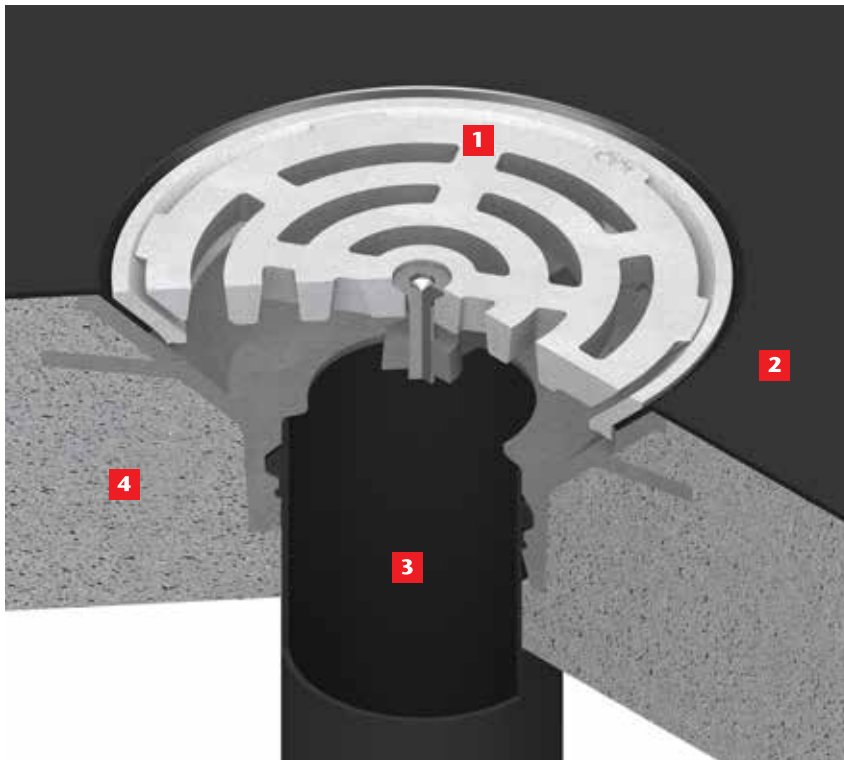
For strength and pedestrian safety, the grate shall be designed to meet load class L15kN (EN 1253) and comply with AS 3996 (Clause 3.3.5 and 3.3.6) and AS 1428.2 (Clause 9c).

The iron body shall have a cast iron membrane clamp ring (secured with M6 Hex head bolt) and puddle flange both incorporating weep holes.

For push-fit pipe connection, the body shall have a nitrile rubber seal.



## General Installation Illustration



### Roof drain with flat grate

- 1** Roof drain (R10PH shown)
- 2** Roof membrane
- 3** Outlet pipe – HDPE or PVC
- 4** Concrete slab

**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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