



**SMALL GAP  
BIG DIFFERENCE**

## CURVED HEELGUARD TRENCH CECIL STREET, SOUTH MELBOURNE

The busy intersection of Bank Street and Cecil Street in South Melbourne presented a serious challenge in achieving adequate drainage, while ensuring the popular pedestrian thoroughfare was safe and remained accessible to the variety of vehicles utilising the intersection.

Adjoined by parks, residences, shops and a passage to local pubs and clubs, the eclectic range of pedestrians, bicycles and wheelchairs necessitated drainage grates that ensured community safety at all hours of the day and night.

Complicating the design was a history of garbage trucks and buses mounting the kerbs, requiring trench grates capable of withstanding sudden impacts by heavy loads.

R&S Grating took on the task of developing a system of trench grates and frames that would not only ensure pedestrian safety and vehicle traversability, but also added to the ambience of the area and matched the curvature of all four corners of the intersection.

Utilising a combination of R&S Grating new ductile iron heelguard sump grate range and custom rolled, curved mild steel trench grates, a seamless transition between straight and curved grated sections was achieved.

The ductile iron heelguard sump grates presented the ideal solution for the area, featuring a small gap between bars of around 5mm and sporting R&S Grating's Boomerang antislip pattern, the grates are also stocked in class D, heavy duty, ideal for areas where larger vehicles routinely mount the kerb.

The challenge came in ensuring a smooth transition between the straight ductile iron sections and the curved mild steel sections. Manufactured at R&S Grating's Dandenong South factory, the curved sections were precision rolled and meticulously welded to ensure a high standard of consistency was achieved.

Incorporating lifting points for easy maintenance access, the finished product achieved all that it set out to. Geometrically eye catching, the strong grates ensured the longevity of the solution, while the small gap and

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Boomerang anti-slip ensured pedestrians at all hours of the day and night could safely utilise the area.

Perhaps most importantly, the area now incorporates a high capacity drainage trench that prevents localised flooding, while completely mitigating the community risks that are often associated with large trenches.

Now stocked in a variety of sizes for both light duty class B and heavy duty class D loads, R&S Grating's ductile iron heelguard sump grate range represent the ideal solution for areas regularly accessed by pedestrians. Available standard bolted down with lifting keys for standard AS3996 lifting keys, the range is the pinnacle of pedestrian safety, with a small gap that is impenetrable by wheelchair tyres and even the most stubborn stiletto. Additionally, the Boomerang anti-slip pattern ensures the grate is safe, even in the wettest of conditions.





# HEELGUARD SUMP GRATES

R&S Grating's new range of galvanised ductile iron Heelguard sump grates are now available. The range includes:

**5mm GAP**

A 5mm gap between the bars ensures that the grate is DDA compliant and impenetrable by wheelchair tyres, bicycle tyres and even high heel shoes.

**ANTI-SLIP**

Featuring R&S Grating's Boomerang anti-slip pattern, the range achieves the highest slip resistance possible, an R13 Slip Resistance Assessment Group rating in Oil-Wet Ramp Slip Resistance testing.

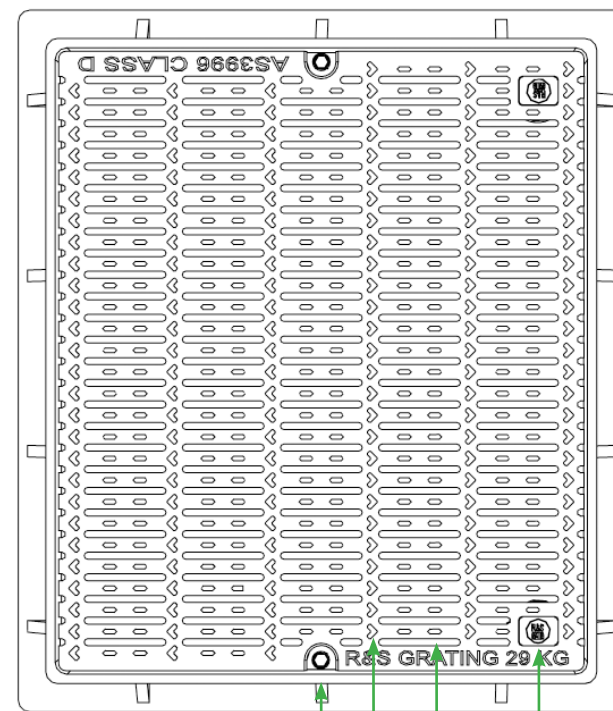
**BOLT DOWN**

Using two 12mm stainless steel cap head bolts per grate, the range is bolted down to prevent dislodgement and secure the grate from tampering and unwanted access.

**STRONG**

Available in light duty (class B) and heavy duty (class D) of AS3996 in the following sizes.

Pit Size (mm)	Class B Available	Class D Available
300 x 300	✓	
450 x 450	✓	✓
600 x 600	✓	✓
900 x 600	✓	✓
900 x 900	✓	✓



- Bolt Down**  
Two 12mm stainless steel cap head bolts per grate.
- Anti-slip**  
R&S Grating's Boomerang anti-slip pattern for safety.
- Heelguard**  
Featuring a 5mm gap, the grate is impenetrable by high heel shoes.
- Lifting Points**  
Easily opened using standard AS3996 lifting keys.

# 2017 NATIONAL WORKS & ENGINEERING CONFERENCE

R&S Grating will be in attendance at the 2017 National Works & Engineering Conference in Bendigo on the 31st August & 1st September.

We've been working hard developing our range and introducing new products, so we're very excited to show them off. If you're attending the conference this year, feel free to swing by our stall and have a chat.



# FRP ECOLITES NOW VICROADS APPROVED

R&S Grating's FRP Ecolite covers are now approved for use by Vic Roads. Available in class B (light duty), class C (medium duty) and class D (heavy duty), the FRP Ecolite cover is the ideal solution for problem areas where concrete regularly breaks or a tougher cover is required.

Available in a variety of pit sizes for junction and side entry pits, the FRP Ecolite is also available with a variety of accessories to provide a complete package solution for areas where concrete regularly breaks. These include rubber or steel lintels as well as rubber surrounds to eliminate the nuisance of cracking concrete. In addition to the high strength of the FRP Ecolite range, the range is also much lighter than concrete alternatives, making them ideal when regular maintenance access is required.



# 2017 NEW CHINA DINNER - 30th AUGUST



R&S Grating's annual New China dinner will be held on Wednesday 30th August this year. The evening will include a three course dinner, with beer, wine and champagne provided. The details of the evening are as follows:

Date	Wednesday 30th August 2017.
Entry Cost	\$10 at the door (includes one raffle ticket entry).
Arrival	from 5.30PM onwards.
Address	New China Restaurant, 1 View Point, Bendigo.
RSVP	by 9th August 2017 by calling (03) 9238 5888 or send an email to sales@grating.com.au

This year a raffle will be held with all proceeds to support *beyondblue*. Additional tickets are \$10 on the night with the following prizes.

1st Prize:	\$500
2nd Prize:	\$300
3rd Prize:	\$200



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