



Aqua-Max

Highly Efficient Gully Grate
with added Safety & Security




SAINT-GOBAIN

PIPELINES

For internal use only

Aqua-Max



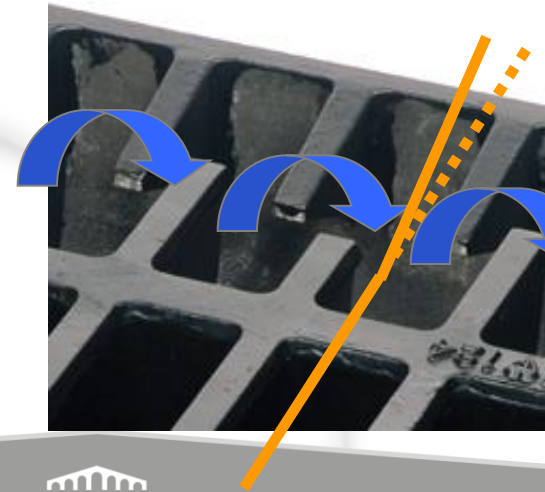
- Absorption capacity:** highly efficient gully grating
- H&S:** reduced risk of injuries
- Durability:** reliable design, reduced stresses on chamber
- Security:** anti-theft and anti-vandalism



Aqua-Max

Maximum absorption 1240cm^2

- Surface water runs along kerb face
 - ▶ Hydraulic efficiency must be high in the immediate area adjacent to the kerb
- The specific design of Aqua-Max *disrupts water flow and improve absorption efficiency*
 - ▶ Concave and irregular design



Aqua-Max

Health & Safety

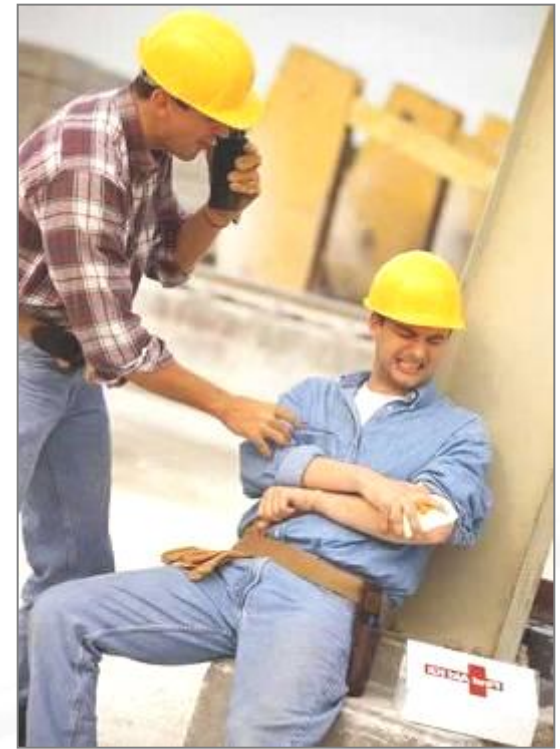


- **Safety for employees and road users**

- ▶ Permanently captive, the grating cannot come free
- ▶ No risk the grating fall out during offload, installation etc.
- ▶ No risk children fall in or hurt their fingers
- ▶ No risk of litigation

- **No loss of money**

- ▶ Injuries/accidents cost LA or Wplc up to **1 working year**



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Health & Safety



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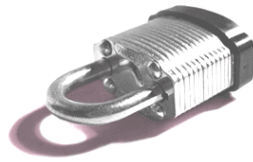
Truly captive hinge

→ unique grating and frame design



Aqua-Max

Security



- **Deterrence from theft and vandalism**

- ▶ Prising bar must be used to unlock the integral spring bar
- ▶ Spring bar locking requires strength to be disengaged

- **No traffic disturbed and delayed**

- ▶ Due to missing grate

- **No emergency operations**

- ▶ Due to missing grate

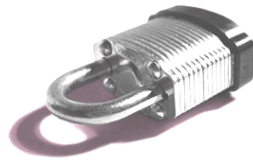


Automatic locking system

→ ductile iron spring bar

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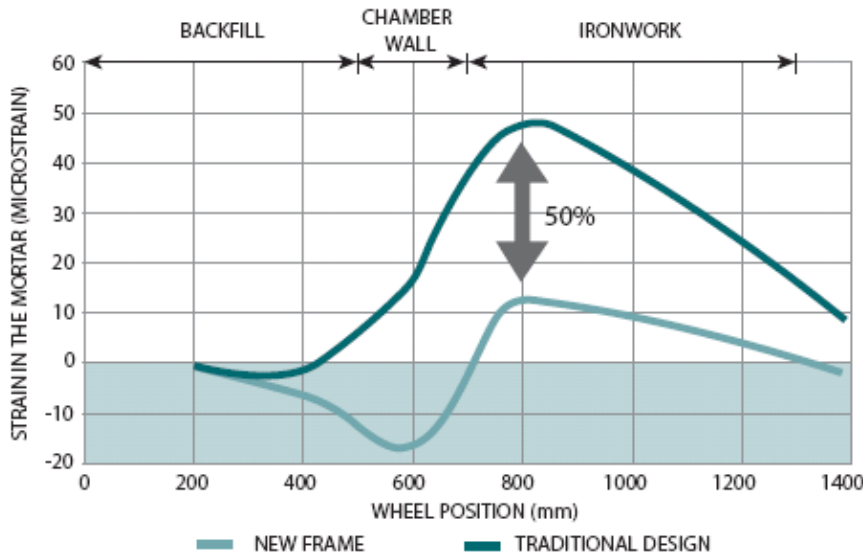
- ▶ Due to missing grate



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Optimum Durability

- Improved quality and longevity of the whole installation
- Long lasting products improve long-term cost savings



Load Transfer system



1 - Corner web



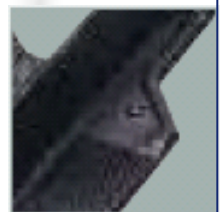
2 - Rib positioning



3 - Bonding ribs



4 - Flange stiffness



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Silent in use

- Respect of the neighbourhood
- No complaints

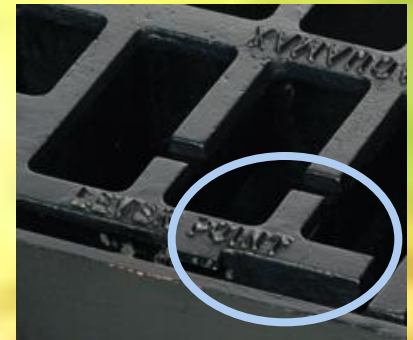
Aqua-Max

Silent in use

- Grate set into the frame
- No movements of the grate



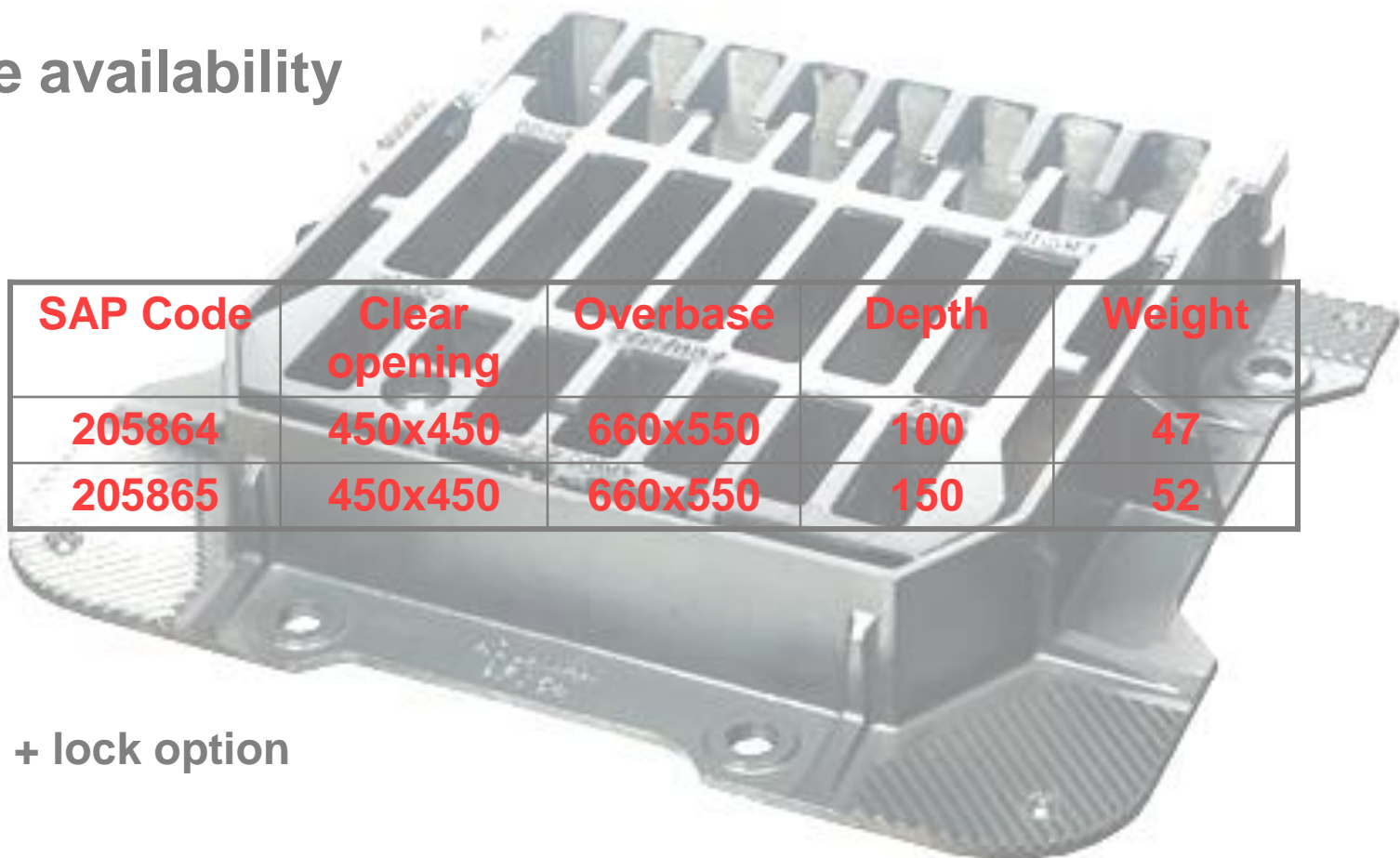
Large front wedge seatings



Captive spring bar

Aqua-Max

Size availability

A detailed view of the Aqua-Max manhole cover, showing its grid pattern and the surrounding frame. The cover is made of a dark material, likely cast iron or steel, and has a textured surface for grip. The grid consists of rectangular openings separated by raised bars. The frame around the grid is also textured and has several mounting points or bolts visible.

SAP Code	Clear opening	Overbase	Depth	Weight
205864	450x450	660x550	100	47
205865	450x450	660x550	150	52

+ lock option