

# Custom Fabrications & Optional Extras

## Curved fabrications

Several Lathamgrate™ profiles are suitable for curving. In the aluminium range these include the following series; ALGPL, ALGNS and when the trench liner is not required the ALGLS Series can also be curved. In the brass range, only the BRGPL and BRGNS series are suitable for curving. Curving involves the side sections and the centre T's being rolled to the required curve before the systems are welded together. Depending on the grate series selected, the grates can be rolled to a radius as tight as 900mm. Please contact Latham Australia or your Latham Australia representative to discuss your application further.

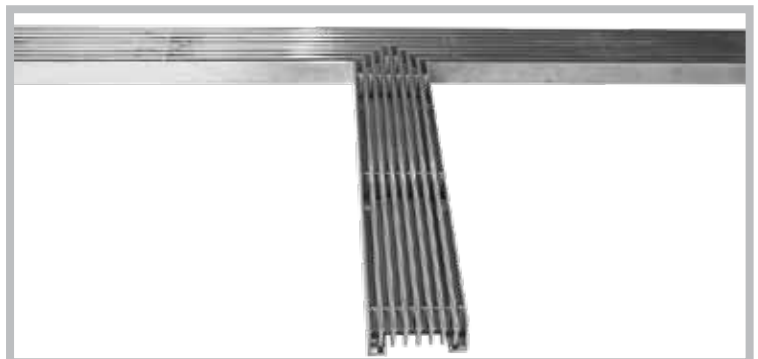


## T's, L's, Angles and Crossovers

All Lathamgrate™ profiles with the exception of the ALGLSX Series can be supplied with factory fabricated and fully welded T's, L's, Angles and Crossovers. Systems that carry a trench liner can also have this fabricated accordingly.



Factory fabricated corner.



Factory fabricated T.

## Frame Surround Ends and Block Ends



ALGLS Aluminium Series with frame ends (without trench liner).



A number of the Lathamgrate™ Profiles can be supplied with block ends.



ALGLS Aluminium Series with surround frame and trench with block ends.

A number of the Lathamgrate™ Series can be supplied with frame surround ends and block ends. This is when the external edge frame is carried around the end of the grate.

This solution is most commonly considered with the ALGRS, BRGRS, HDGLS, ALGLS, BRGLS, ALGNS and BLGNS Series grates.

This option finishes the grates off nicely, and reduces the possibility of trips when surface mounted grates are installed (ALGRS and BRGRS), and where traffic can approach from multiple directions.



ALGRS Aluminium Series with frame ends, shown with special clear anodised finish (available on request). Also available in BRGRS Brass Series.



ALGNS Aluminium Series with surround frame. Also available in BRGNS Brass Series.

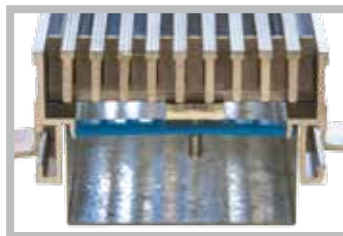
A number of the Lathamgrate™ Profiles can be supplied with block ends. The ALBATH and BRBATH Bathroom Series Grates and Liners are supplied with block ends as standard. This results in a removable grate from the aluminium or brass liner which forms the trough.

Similarly the ALGLS, ALGLSX and HDGLS Series with galvanised liner and the BRGLS Series with brass liner also can be supplied with block ends to suit the overall required length, once again resulting in a trough.

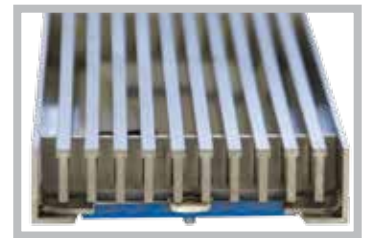


Custom angles and fabrications available on request. Contact your Latham representative.

## Hidden Locking Mechanisms



Locking Mechanism 1.



Locking Mechanism 2.

The following Lathamgrate™ ranges can be supplied with hidden locking mechanism, ALGLS, ALGNS, BRGNS, ALGLSX, ALPAN and HDGLS. As an alternative the ALGRS and BRGRS can be fixed through the side flanges. This option reduces the chance of someone accessing or stealing the grates. Depending on the profile selected, this would consist of an aluminium or brass plate about 25mm x 12mm being welded to the underside of the grate with a locking bar that is screw fixed through the top of the grate. When the locking bar is tightened the grate insert will be held in place. The ALGRS and BRGRS surface mounted series can be site fixed through the side flanges to reduce the likelihood of theft.

## Factory Welded Spigots

On request grates with trench liners can have a factory welded spigot welded into the liner in an appropriate location. The spigot size is dependent on the trench width.



BRGLS Brass Series with factory welded spigot.

# Slip resistant testing - Lathamgrate

## Dry slip resistant testing

Latham Australia Pty Ltd has had independent testing carried out by a NATA approved laboratory in Accordance with AS/NZS 4586:2004 Slip Resistance Classification of new pedestrian surface materials - Appendix B.

The established results are detailed as follows:

### Latham Serrated Top Aluminium Grates

- Mean Dynamic Coefficient of Friction 0.65
- Classification according to Appendix B F

### Latham Serrated Top Brass Grates

- Mean Dynamic Coefficient of Friction 0.75
- Classification according to Appendix B F



## Wet slip resistant testing

Latham Australia Pty Ltd has had independent testing carried out by a NATA approved laboratory in Accordance with AS/NZS 4586-2004 Slip Resistance Classification of new pedestrian surface materials - Appendix A.

The established results are detailed as follows:

### Latham Serrated Top Aluminium Grates

- Mean British Pendulum Number 60
- Classification according to Appendix A V

### Latham Serrated Top Brass Grates

- Mean British Pendulum Number 55
- Classification according to Appendix A V

## Wet Dry Classifications from above results

The established results are detailed as follows:

### Latham Serrated Top Aluminium Grates

- Classification according to Appendix A & B VF

### Latham Serrated Top Brass Grates

- Classification according to Appendix A & B VF

Australian Standards are available through SAI Global, <http://www.saiglobal.com>, whilst the Building Code of Australia is available through the Australian Building Codes Board <http://www.abcb.gov.au>

A copy of the full test results is available by contacting Latham Australia.

## Custom grate and grid mat details

Latham are happy to discuss custom applications that you may have, including wall systems, ventilation applications and curved applications. Contact your Latham representative to discuss any applications.



Brass grates custom fabricated for wall application.

