

### Load Restraint Rated and Tested



The Slide-A-Gate system has been designed and developed to suit a range of payloads that meet or exceed the latest government load restraint guidelines. We have developed and tested a range of models to cater for all facets of the transport industry. For customers who carry cubic freight we have a specific model and load restraint rating tailored to suit your freight needs. In addition, we now have gate systems available that are **rated up to 27 tonne payload** on a typical 45' Curtain Sider. Effectively, this means it will not be compulsory to use conventional methods such as load binders, pallet angles, or ropes to secure freight. Although, these devices may be required when carrying some cargos such as steel coils.

### Benefits of the Slide-a-Gate

- No more manhandling, lifting or storage of gates.
- Easy to use with less risk of personal injury.
- Reduce work care premiums.
- Faster and simpler to operate than standard side gate applications – less downtime.
- No more requirement for gate carriers – less tare and cost.
- Elimination of gate theft due to fixed integrated design.
- Customised configurations to meet your load restraint requirements.
- Retro-fitable – low cost simple installation.
- Retrofit to existing Krueger, Freightler, Vawdrey and other brand trailers.

### MacGregor Plays it Safe

Christine MacGregor has built a multi million dollar business including a new depot in Laverton where she successfully operates a large fleet of vehicles both locally and nationally. During their peak times MacGregor by Road dispatch up to 50 loads a day. The company treats the safety and wellbeing of its employees very seriously which led to Christine calling on Krueger to discuss what options Krueger could offer her company to assist in meeting the latest load restraint guidelines. Christine elected to go with the Krueger Slide-A-Gate system for a number of reasons. One is the Slide-A-Gate system is capable of being retro-fitted to a large proportion of her fleet without any major changes to the existing bodies or aperture openings. Secondly, any new trailers purchased in the future would be fully interchangeable with the vehicles that have been retro-fitted and most importantly, still able to utilise existing assets without the need to invest further funds. The end

result is that MacGregor Transport can now deliver a more competitive edge to its customers while meeting the latest load restraint standards with a cost effective system.



**"Safety of our employees is top priority, without them we don't have a business." Christine MacGregor - Managing Director.**

### Specifications

- Over head roller carriage fitted with 4 ball bearing rollers.
- Over head carriage quick release removal shaft.
- Post 75' x 50' RHS steel galvanised post.
- Gate 20' x 20' RHS steel galvanised tube.
- Gate spade 2 per side gate hinging system.
- Cam lock centre mounted quick release system.
- Load restraint rated up to 27 Tonne.



### Accessories

1. Interlocking latch between gate.
2. Plastic clear sheet outside lining.
3. Carpet rated double post.
4. Alloy Sheet Internal Lining.
5. Centre Wall – Plywood Lined.
6. Centre Mounting Removal Gate.



### Patented By Krueger -

### Licensed Agents Welcomed

To assist our customers in both purchasing and retro fitting the slide-a-gate system to their existing fleets and new purchases that Krueger can not cater for we are currently negotiating on a national basis with a number of companies to become licensed under our **patent No. 2004100501** to manufacture and install the slide-a-gate system into both semi-trailers, rigid bodies and containers. We welcome any interested applicants wishing to enter into a commercial arrangement with Krueger Transport Equipment to manufacture or install the slide-a-gate system under license.

### Retrofits and Conversions - Call Now!

Investing in brand new trailers is a huge financial investment and sometimes can not be avoided as government regulations change. To meet the new load restraint guidelines Krueger has eased the financial outlay by developing a number of economical retro fits and conversion systems that can be easily installed on existing Krueger, Freightler, Vawdrey and other brand trailers.

- ⇒ 5' high standard gate load restraint rated.
- ⇒ 6' high standard gate load restraint rated.
- ⇒ 7' high standard gate load restraint rated.
- ⇒ 8' high standard gate load restraint rated.

## Stringent Development Testing

Krueger engineers have tested the Slide-A-Gate as a side load restraint by tilting a test load, on rollers, 30° in accordance with the Load Restraint Guide 2004, Section I.

The test load simulated a 1200 mm (4'-0") high evenly distributed palletised payload of 27 tonne in a typical 13.7m curtain sider. The side deflection of the gates fell within the 100 mm allowed in the Load Restraint Guide. As shown in the photo, the rating was achieved with no contribution from the side curtains. This is just one example of the many tests carried out by Krueger on the slide-a-gate range.



<b>Victoria Head Office:</b> 275-295 Fitzgerald Road DERRIMUT VIC 3030 T: (03) 9366 2133 Contact: Grant Krueger	<b>New South Wales:</b> Unit 1 & 2, 56 - 60 Newton Road WETHERILL PARK NSW 2164 T: (02) 9757 4944 Contact: Shayne Nicholls	<b>South Australia:</b> Transport Connection 539 Grand Junction Road WINGFIELD SA 5013 T: (08) 8262 6115 Contact: Andrew Schipper	<b>Western Australia:</b> BOS 18 Robinson Road BELLEVUE WA 6056 T: (08) 9250 1773 Contact: Bob Wright	<b>Queensland:</b> Transport City Industries 1/19 Perrin Place SALISBURY QLD 4107 T: (07) 3275 1011 Contact: Mike Grabbe
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## Cubic Freight Restraint Solution

The Linfox name and company are renowned for high quality and standards and when it comes to delivering freight Linfox deliver their freight on time and undamaged. Linfox are continually searching the industry for new technology to improve their freight loading procedures, ensure the freight is load restraint rated inside the vehicle, provide faster turn around times and also importantly find suitable solutions to help make the operator's job easier and minimise accident risks.

Krueger were approached by Linfox to investigate whether Krueger had a load restraint system which would eliminate lifting gates in and out of the trailer and that would eliminate the need to strap or fasten the load down. Linfox required a solution for one particular contract which involves lightweight cubic freight which is hand loaded into 4.6m high Drop Deck curtain siders.

Krueger presented their latest Slide-A-Gate load restraint rated system as the ideal solution for their requirements. Krueger have since retro-fitted the slide-a-gate system to the Linfox B-double combination to enable Linfox to deliver a competitive edge to their customers and address Occupational Health and Safety issues which are a key focus in today's transport industry.



Retro-fitted Cubic Freight Rated Slide-A-Gate.

## Linfox Customise Design

As part of our ongoing design developments we recently designed a fully lined sliding side gate for one of Linfox transport divisions who work very closely with the food chain supply. These gates have been designed to become an internal wall inside the curtain sider that is fully lined with an aluminium sheet with virtually no gap between each gate. The purpose of this design is to provide a smooth surface full length down the trailer, similar to a Pantec wall that will enable a forklift driver to rear load cargo through the rear doors without catching or damaging the freight whilst the loading and unloading process occurs. Krueger and its engineering team continue to work closely with Linfox in developing this new concept in order to gain customer acceptance for trailers fitted with lined gates in the food chain industry. This system can be used as an alternative to a Pantec as unlike the Pantec, a curtain-sider can be back loaded through the side, which can provide very good productivity gains.



Fully Lined Aluminum Slide-A-Gate.



Aluminum Slide-A-Gates make an internal wall.

## TOLL See The Clear Solution

When the award winning Slide-A-Gate system was officially launched at the Freight Congress in 2003 it was a welcome relief for a lot of our customers. One such company is Toll who approached Krueger to assist them on a number of contracts that they operate throughout Australia. Toll gave Krueger the challenge to assist them in solving the problems on various contracts of overcoming the need for lifting gates as well as safely transporting their customer's freight whilst complying with the latest load restraint guidelines.

One of these examples was the cartage of glass bottles that can be carried up to 8 feet high and cannot be effectively secured by load binders or ropes. Given the problem, Krueger's design team proceeded to work closely with Toll to develop a special Slide-A-Gate system that incorporated an extra high side gate to support the pallet to the full height and effectively protect the cargo in transit. In addition, Toll requested as a safety feature that a see through product be fitted to the gate so that the driver could detect any dislodged bottles from the pallet before opening the gate. This has been successfully achieved by a see through plastic lining so that once the curtain is open the driver can clearly view the whole load before releasing any of the sliding side gates.

Once again, productivity is a major issue in this type of industry where loading and unloading of the trailer occurs many times during the day on a very fast frequency. The slide-a-gates can be opened and closed in 90 seconds. This has enabled Toll to deliver the competitive edge to its customers whilst minimising its capital outlay to keep pace with the changing times.



Extra High Plastic Lined Slide-A-Gates minimise freight damage and driver injury.

