



# RackGuard Rack Leg Protector

Designed to protect vulnerable rack legs from front, side and scrape impacts by workplace vehicles.

RackGuard protectors absorb and deflect impacts, transferring energy around the rack leg rather than through it, preventing damage to uprights and maintaining the structural integrity of racking systems.

Frictional grip points ensure a secure fit to any sized rack leg.



Ultra-low maintenance material is chemical and water-resistant, non-corroding, non-scratch and self-coloured, so no repainting, rusting, flaking or corrosion.



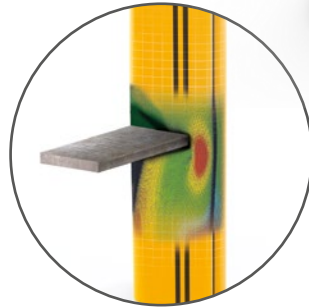
Huge return on investment from incident prevention and downtime avoidance as barriers, vehicles, floors and equipment do not need replacing or repair.

✓ Rigorously tested to fully comply with EN 15512, EN 15635 and the Australian standard AS 4084

✓ Independently certified by world-leading test experts TÜV Nord



A rubber compression hinge provides added strength under impact, improving performance and longevity.



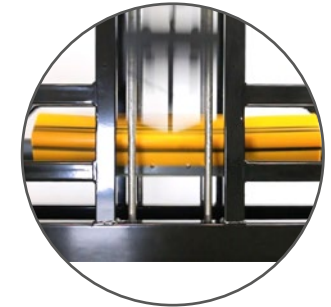
Molecular reorientation during manufacturing creates a unique built-in memory that enables the RackGuard to fully recover following impacts.



RackGuard can be personalised with your company logo to create a unified branding experience throughout your warehouse facility.



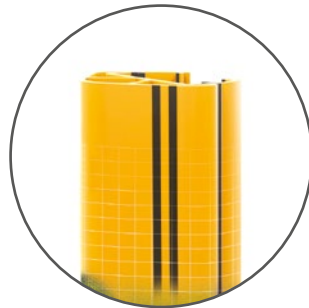
RackGuard works with a specially designed Installation Toolkit (sold separately) to ensure it can be installed and removed easily.



RackGuard has been rigorously tested to fully comply with the highest standards for storage equipment, including EN 15512, EN 15635 and the Australian standard AS 4084. Furthermore, testing has been independently verified by TÜV Nord – one of the world's leading independent test organisations – for total peace of mind.



Cold Storage option available. Purpose engineered for cold storage temperatures as low as -30°C. See separate data sheet for details.



Memaplex™ ultimate strength polymer is an exclusive composition of the most sophisticated polyolefins and rubber additives that have been blended by experts to provide unparalleled strength and flexibility.



Ergonomically designed with a slim profile to limit intrusion into warehouse aisles.



Eco-friendly and 100% recyclable.

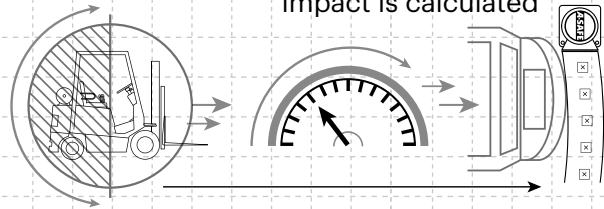


RackGuards can also be installed above ground level to protect racks from loading and unloading damage.



# Technical Information

How the energy from a vehicle impact is calculated



$$\frac{1}{2} \text{ Mass} \times \text{Speed}^2 = \text{Joules}$$

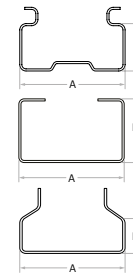
Tested Impact Energy

**1,000 Joules**

Equivalent vehicle and speed

**3 tonne** x **1.8 mph** impact  
90° Impact on RackGuard

## RackGuard Profiles



## RackGuard Sizes

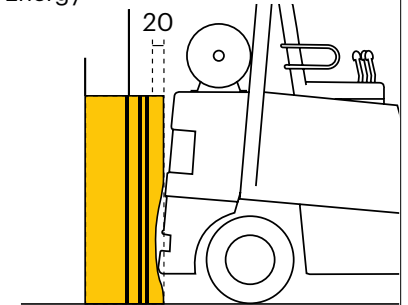
Description	A-Rack width (max)	B-Rack depth (max)
RackGuard (S) SL	102	44
RackGuard (S) ML	102	68
RackGuard (S) LL	102	80
RackGuard (S) SLR	85	45
RackGuard (S) MLR	85	68
RackGuard (S) LLR	85	80
RackGuard (L) SL	126	75
RackGuard (L) SLR	112	75

All RackGuards are available in 400mm and 600mm heights.

## Impact Test

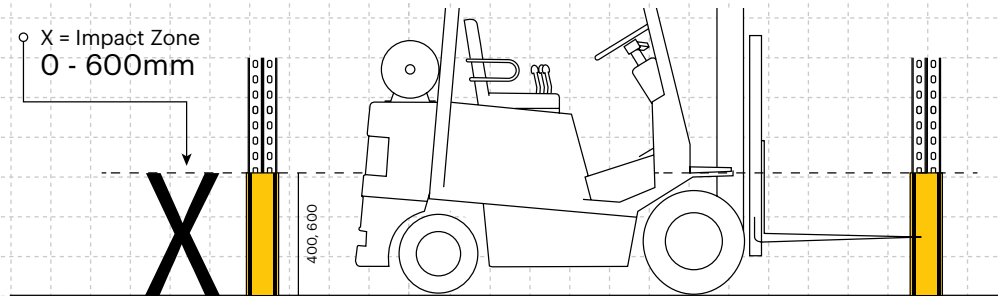
Max Energy (Joules) **1,000**

Deflection at Max Energy 20mm



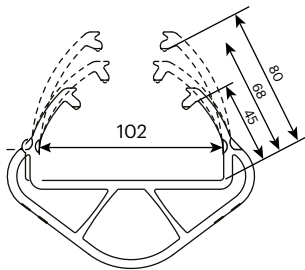
Dimensions (mm)

X = Impact Zone  
0 - 600mm

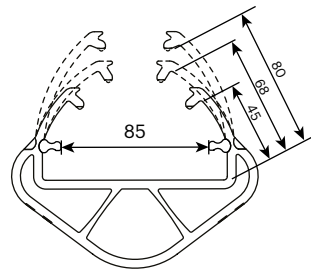


Compression hinges have various widths to fit a range of racking profiles.

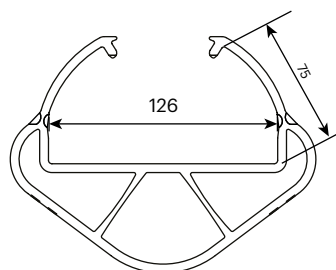
RackGuard (S) SL, ML, LL



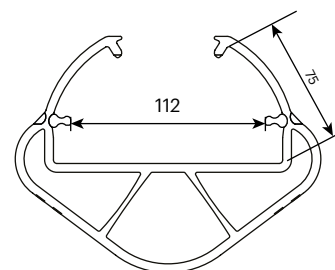
RackGuard (S) SLR, MLR, LLR



RackGuard (L) SL



RackGuard (L) SLR



## Material Properties

**MEMAPLEX™**

Temperature Range	-10°C to 50°C
Ignition Temperature	370°C to 390°C
Flash Point	350°C to 370°C
Toxicity	Not Hazardous
Chemical Resistance	Excellent - ISO/TR 10358
Weathering Stability (Grey Scale)	5/5*
Light Stability (Blue Wool Scale)	7/8**
Static Rating (Surface Resistivity)	10 <sup>15</sup> - 10 <sup>16</sup> Ω/sq

\* Weathering scale 1 is very poor and 5 is excellent

\*\* Light stability scale 1 is very poor and 8 is excellent

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