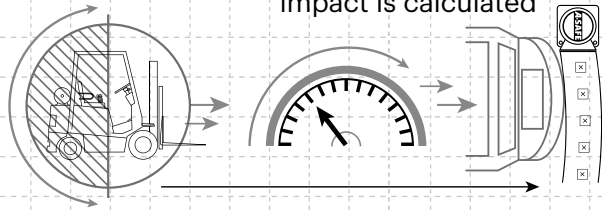


Technical Information

How the energy from a vehicle impact is calculated



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

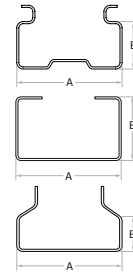
Tested Impact Energy

1,000 Joules

Equivalent vehicle and speed

3.3 Ton x **1.8 mph** impact
90° Impact on RackGuard

RackGuard Profiles



RackGuard Sizes

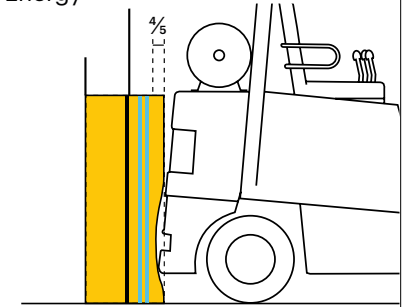
Description	A-Rack width (max)	B-Rack depth (max)
RackGuard (S) SL	4	1%
RackGuard (S) ML	4	2%
RackGuard (S) LL	4	3%
RackGuard (S) SLR	3%	1%
RackGuard (S) MLR	3%	2%
RackGuard (S) LLR	3%	3%
RackGuard (L) SL	5	3
RackGuard (L) SLR	4%	3

All RackGuards are available in 15% and 23% inch heights.

Impact Test

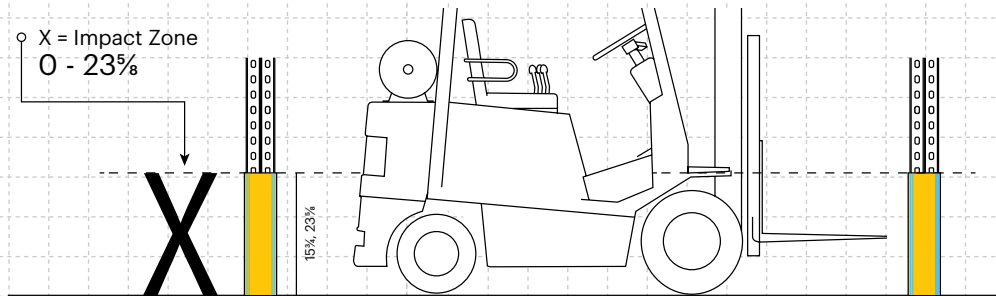
Max Energy (Joules) **1,000**

Deflection at Max Energy
4/5 inch



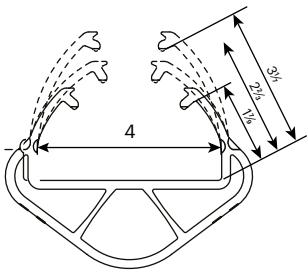
Dimensions (inches)

X = Impact Zone
0 - 23 5/8

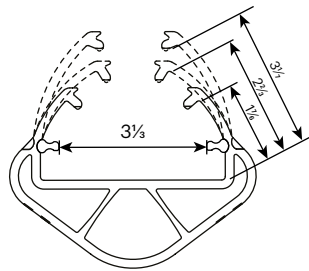


Compression hinges have various widths to fit a range of racking profiles.

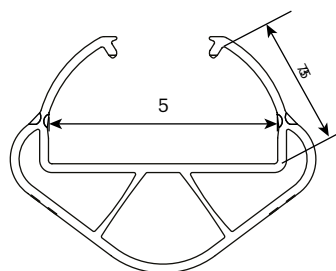
RackGuard (S) SL, ML, LL



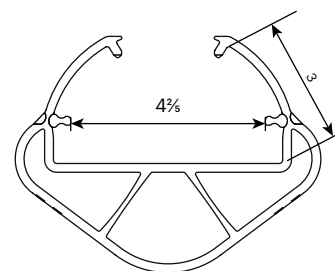
RackGuard (S) SLR, MLR, LLR



RackGuard (L) SL



RackGuard (L) SLR



Material Properties

MEMAPLEX™

Temperature Range	-22°F to 32°F
Ignition Temperature	698°F to 734°F
Flash Point	662°F to 698°F
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)	1015 - 1016 Ω
Hygiene Seals	No

* 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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