

## 02

ASSET  
PROTECTION

Products in this section are designed to protect humans and assets through their ability to absorb and dissipate the force of impacts. These include products like our 'Shock Absorbing Guard Rail' on page 23 which has the ability to absorb repeated vehicle impacts by tilting or shifting sideways.

Typically, these impacts are occurring in environments where vehicles are travelling or manoeuvring at lower speeds, such as in off road situations like car parks, warehouses and institutions.

You may also be interested in pages:



07  
SHOCK ABSORBING  
BOLLARDS



38  
CHANNEL RAIL



51  
RACKING GUARDS



106  
ZONE FENCING



## MENNI – Asset protection

Menni is a set of four modular components that can be plugged together in any combination to satisfy a wide range of end user applications.

These applications may include protecting physical assets by preventing vehicles from coming into contact with them. Alternatively, Menni can be used where goods are stored near pedestrian zones to prevent encroachment by forklifts and other vehicles.

There are four modules in the Menni system. The end module, the body module, the 'T' or intersection module and the 90 degree corner module.

All Menni modules are manufactured from a high tech Linear Low Density Polyethylene (LLDPE) with solid colour. They will not fade, rot, rust or crack and they have built-in reflectors for enhanced night visibility.

Suitable for use anywhere your imagination takes you.

And finally, Menni has been designed and developed in Australia, referencing the relevant standards and using premium virgin grade materials suited to tough local conditions.

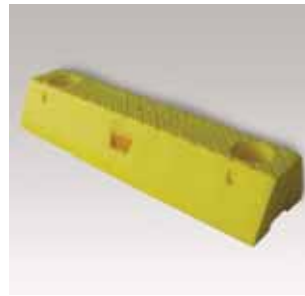
**One product – Menni solutions.**

See page 41 for installation procedure.

### Value features:

- » Designed to comply with AS2890.1:2004 for wheel stops and AS1657:1992 for walkways.
- » Solid colour, U.V. stabilised, high tech composite plastic construction.
- » Supplied with fixings, blanking plugs and connectors ready for installation.
- » Built-in edge reflectors for improved visibility for approaching vehicles.
- » Optional top reflector plugs for improved pedestrian safety.
- » Slip resistant texture moulded into surface.
- » Excellent outdoor weathering characteristics.
- » Lightweight with incredible strength.
- » Modular design for ease of use and handling.

PART No.	DESCRIPTION
<b>BME-Y</b>	Menni end module – Yellow
<b>BBM-Y</b>	Menni body module – Yellow
<b>BMT-Y</b>	Menni T-intersection module – Yellow
<b>BMC-Y</b>	Menni 90 degree corner module – Yellow
<b>BMR</b>	Optional top reflector plugs



### MENNI BMB-Y BODY MODULE

Body modules are used to provide length. They can be used in any quantity and they may be combined with end, corner & 'T' modules.

L550 x W150 x H100mm.



### MENNI BME-Y END MODULE

End modules provide a start and end point for any installation. The rounded and sloping end reduces tripping hazards or the risk of tyre damage to vehicles.

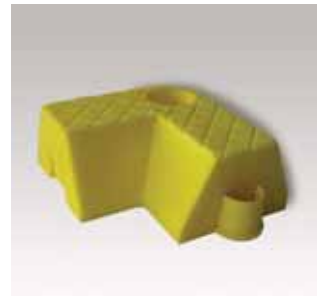
L550 x W150 x H100mm.



### MENNI BMT-Y T-INTERSECTION MODULE

T-intersection modules allow intersecting lines of modules to connect to each other. Particularly useful in pedestrian fencing or trolley bay applications.

L(a)300 x L(b)225  
x W150 x H100mm.



### MENNI BMC-Y 90 DEGREE CORNER MODULE

Corner modules allow for left or right changes in direction of 90 degrees. Can be used with all other modules.

L(a)225 x L(b)225  
x W150 x H100mm.



## MENNI FEATURES

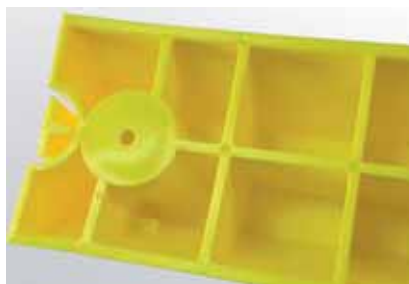
21

SECTION  
02



### Australian designed and developed

The Menni solutions system has been designed and developed in Australia for tough Australian conditions. It has been designed to comply to the Australian Standards relevant to its intended uses.



### Super tough construction

Super tough Linear Low Density Polyethylene (LLDPE) with its flexible character, plus the gusseted design of Menni combine to create a highly durable, U.V. and impact resistant product.



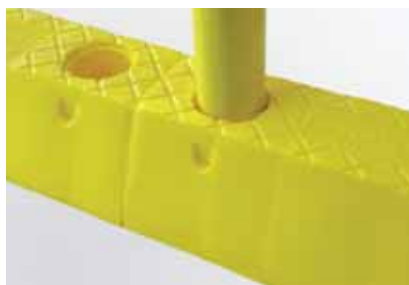
### Moulded textured surface

The top surface of Menni has a textured surface to help with slip resistance. This texture is moulded in, which means it is there for the life of the product.



### Unique moulded connection

This image demonstrates the principle of the connection between modules. The blanking plug doubles as a connector which locks the modules together prior to them being fixed to the surface. Even if a fixing were to come loose on one module it is still held in place by the connector.



### 50mm holes accept FRP post

All module mounting holes double as a socket to receive our 50mm diameter FRP posts. This allows Menni to be used with our unique Q-Fence system, see page 40 for more information.



### Optional top reflectors

All Menni modules are supplied with blanking plugs to close off the mounting holes after installation. As an alternative, optional reflector plugs can be used for enhanced visibility by pedestrians.



### Standard side reflector

Modules come standard with moulded in side reflectors. These built-in reflectors improve visibility for approaching vehicles. Optional top reflectors are available on request.



### Supplied with all fixings

All modules are supplied with a full set of fixings, including large 50mm diameter load sharing washers, anchors and blanking plugs.



### Supplied with blanking plugs

Standard blanking plugs are supplied with all modules and serve 2 purposes.

1. They cap off mounting holes after installation.
2. They double as the module connector when inverted.

Optional reflector plugs are available on request.



## BUMPA-BAR – Single rail

Bumpa-bar is a heavy duty guard rail system designed for use around industrial complexes and carparks, etc., for the protection of buildings, equipment and pedestrians from moving vehicles and fork lifts.

The single heavy duty 90mm rails have a galvanised finish while the 140mm posts are galvanised and finished in safety yellow powder coat. Posts are available in surface mount or in-ground, while the rails come in three convenient lengths.

Buyers interested in this product should also look at our Double Rail Bumpa-bar on page 23 and also the Shock Absorbing Guard Rail on page 25.

### Value features:

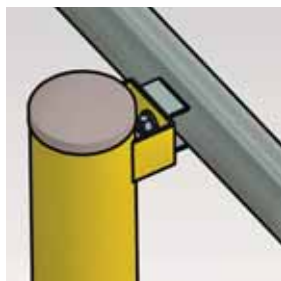
- » Tubular construction means no sharp edges for improved pedestrian safety.
- » 90mm rails and 140mm posts, all with 5mm walls.
- » 10mm thick base plates. (Surface mount).
- » Hot dip galvanised.

### Specifications:

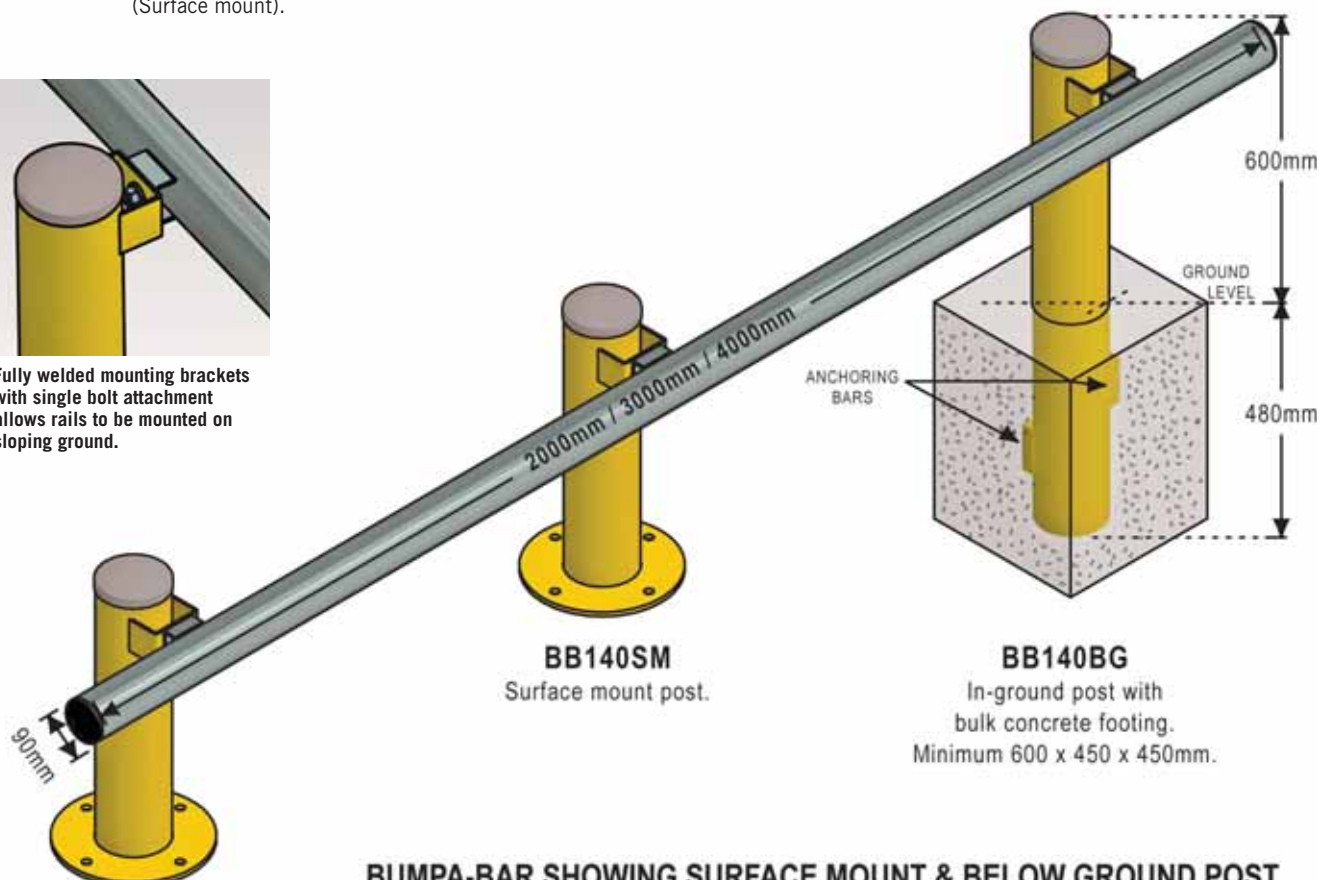
<b>Description:</b>	Heavy duty single rail barrier.
<b>Material:</b>	Posts – 140mm diameter with 5mm wall 600mm high. Rails – 90mm diameter with 5mm wall.
<b>Finish:</b>	Posts – Galvanised with safety yellow powder coat. Rails – Hot dip galvanised. (powder coat opt.)
<b>Weight:</b>	In-ground posts 18kgs. Surface mount post 16kgs. Rails 7.8kgs per metre.
<b>Installation:</b>	4 x 16mm masonry anchors per post. (Surface mount).



PART No.	DESCRIPTION
<b>BB140SM</b>	Bumpa-bar surface mount post – Safety yellow over galvanised steel
<b>BB140BG</b>	Bumpa-bar below ground post – Safety yellow over galvanised steel
<b>BB1402-2G</b>	Bumpa-bar 2 metre rail (requires 2 posts) – Galvanised finish
<b>BB1403-2G</b>	Bumpa-bar 3 metre rail (requires 2 posts) – Galvanised finish
<b>BB1403-3G</b>	Bumpa-bar 3 metre rail (requires 3 posts) – Galvanised finish
<b>BB1404-3G</b>	Bumpa-bar 4 metre rail (requires 3 posts) – Galvanised finish



Fully welded mounting brackets with single bolt attachment allows rails to be mounted on sloping ground.



BUMPA-BAR SHOWING SURFACE MOUNT & BELOW GROUND POST

## BUMPA-BAR – Double rail

Double rail Bumpa-bar is for extra heavy duty applications. Comprising large 165mm diameter posts with dual 90mm diameter heavy duty rails.

Posts are available in surface mount or below ground models, while rails comes in 2, 3 or 4 metre lengths.

Buyers interested in this product should also look at our Single Rail Bumpa-bar on page 22 and also the Shock Absorbing Guard Rail on page 25.

### Value features:

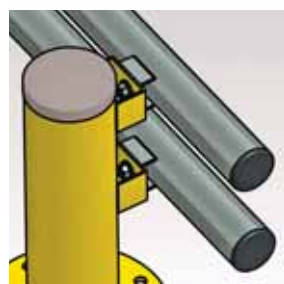
- » Heavy duty 165mm dia. posts with double rail brackets.
- » 90mm rails with 5mm thick walls.
- » 12mm thick base plates (surface mount model).
- » Tubular construction means no sharp edges for improved pedestrian safety.
- » Hot dip galvanised.

### Specifications:

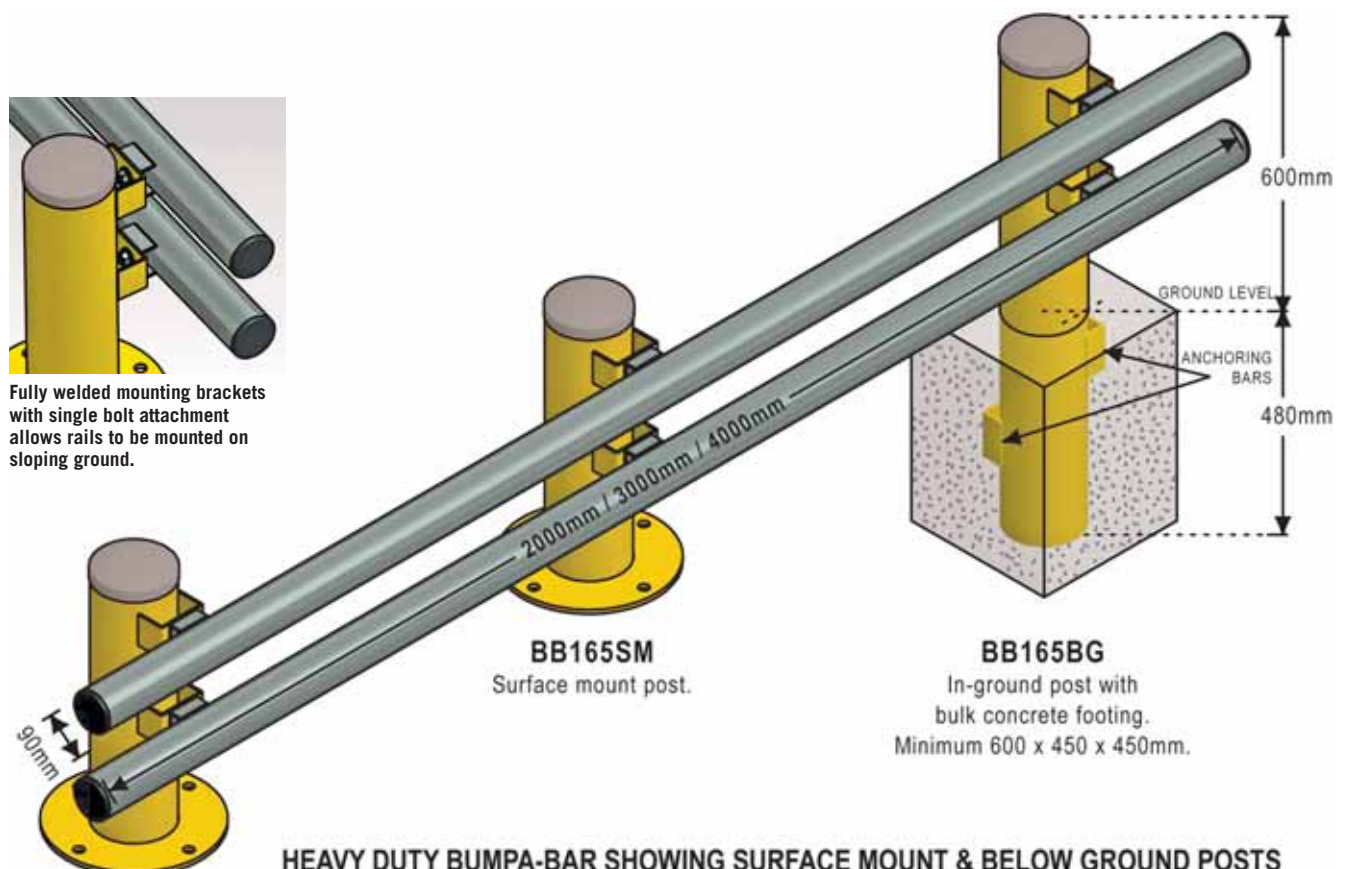
<b>Description:</b>	Heavy duty double rail barrier.
<b>Material:</b>	Posts – 165mm diameter with 5mm wall. Rails – 90mm diameter with 5mm wall.
<b>Finish:</b>	Posts – Galvanised with safety yellow powder coat. Rails – Hot dip galvanised. (powder coat opt.)
<b>Weight:</b>	In-ground posts 23.5kgs. Surface mount post 18.5kgs. Rails 7.8kgs per metre.
<b>Installation:</b>	4 x 20mm masonry anchors per post (surface mount model).



PART No.	DESCRIPTION
BB165SM	Bumpa-bar double rail surface mount post – Safety yellow over galvanised
BB165BG	Bumpa-bar double rail below ground post – Safety yellow over galvanised
BB1402-2G	Bumpa-bar 2 metre rail (requires 2 posts) – Galvanised finish
BB1403-2G	Bumpa-bar 3 metre rail (requires 2 posts) – Galvanised finish
BB1403-3G	Bumpa-bar 3 metre rail (requires 3 posts) – Galvanised finish
BB1404-3G	Bumpa-bar 4 metre rail (requires 3 posts) – Galvanised finish



Fully welded mounting brackets with single bolt attachment allows rails to be mounted on sloping ground.





## U-BARS – Heavy duty

The modular design of these heavy duty U-Bars means they are adaptable to a wide range of uses. They are manufactured from heavy wall steel tube 90mm in diameter and hot dip galvanised. Powder coating in a colour of choice is optional.

There are two styles, surface mount and below ground, with each style being available in three sizes for a total of six standard options.

Surface mount models are fixed at 700mm above ground, while the height of below ground models can be regulated simply by embedding them more or less into their concrete footings.

### Modular design

UB100 models consist of 2 components, a male leg and a female leg. The 2 halves slip together and are secured using the connector pins provided.

UB150 and UB200 models operate in the same way as above except that they have a third component, the expansion tube.

The expansion tube has a male end and a female end and fits between the 2 legs. Changing the length of the expansion tube allows U-bars of different lengths to be achieved.

### Value features:

- » Heavy duty 5mm thick wall.
- » Flexible modular design.
- » Hot dip galvanised finish.
- » Powder coating option available.
- » Surface mount and below ground models.
- » Easy on site assembly with fixings supplied.

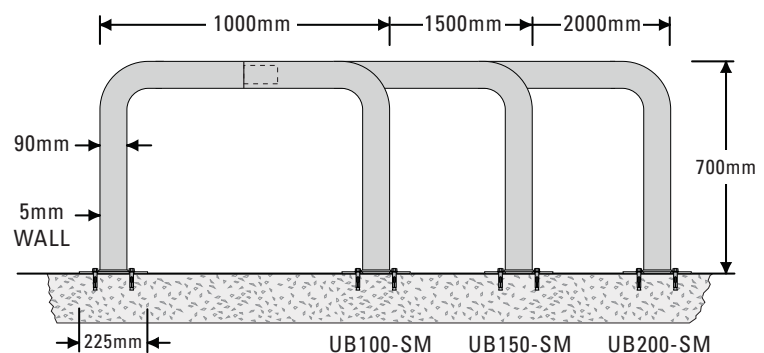
### Specifications:

<b>Description:</b>	Modular steel U-Bar system.
<b>Material:</b>	Steel pipe 90mm diameter with a 5mm wall.
<b>Finish:</b>	Hot dip galvanised (powder coating optional).
<b>Height:</b>	Above ground 700mm. Below ground 500mm.
<b>Width:</b>	1000, 1500 or 2000mm.
<b>Weight:</b>	UB100 approx. 31kgs. UB150 approx. 36kgs. UB200 approx. 41kgs.
<b>Installation:</b>	6mm thick surface flange 225mm in diameter with 8 of 12 x 60mm masonry anchors for surface mount model. Below ground model has welded concrete starter bars.
<b>Fixings:</b>	Supplied with surface mount models. Connector pins supplied with all models.

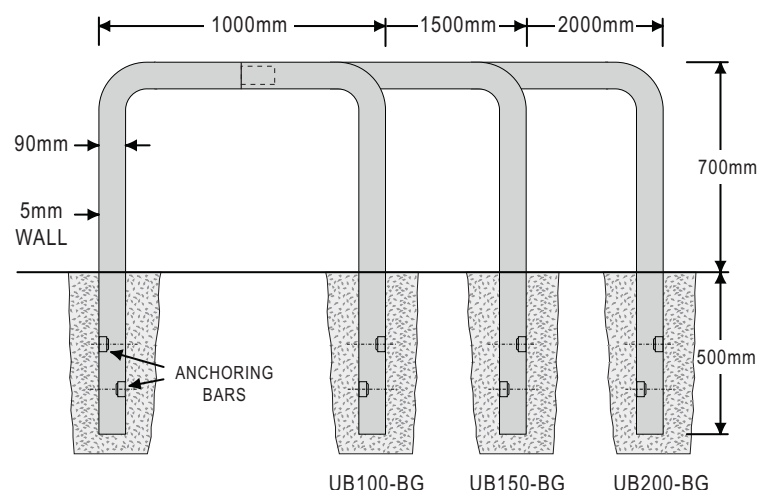
PART No.	DESCRIPTION
UB100SM-G	1.0 metre surface mount U-Bar (2 piece) – Galvanised
UB100BG-G	1.0 metre below ground U-Bar (2 piece) – Galvanised
UB150SM-G	1.5 metre surface mount U-Bar (3 piece) – Galvanised
UB150BG-G	1.5 metre below ground U-Bar (3 piece) – Galvanised
UB200SM-G	2.0 metre surface mount U-Bar (3 piece) – Galvanised
UB200BG-G	2.0 metre below ground U-Bar (3 piece) – Galvanised



SURFACE MOUNT MODEL  
(Front view)



BELOW GROUND MODEL  
(Front view)



## SHOCK ABSORBING GUARD RAIL

The Shock Absorbing Guard Rail (SAGR) has the ability to shift sideways if hit at or near ground level.

If the impact is higher up, it can tilt up to 8 degrees at which point it locks up offering maximum protection.

SAGRs are designed to be used anywhere vehicles are manoeuvring at low speeds, such as carparks and warehouses etc.

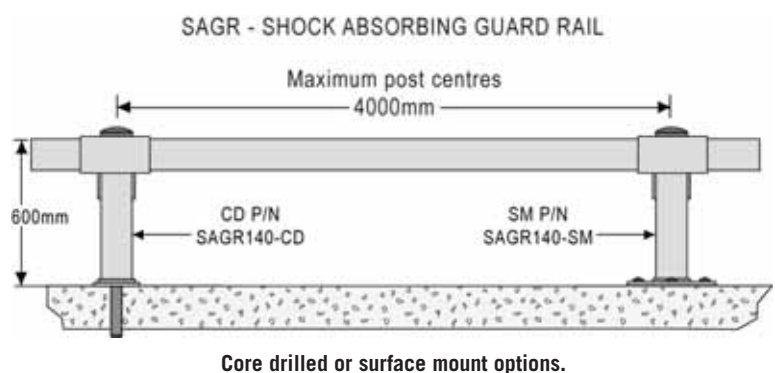
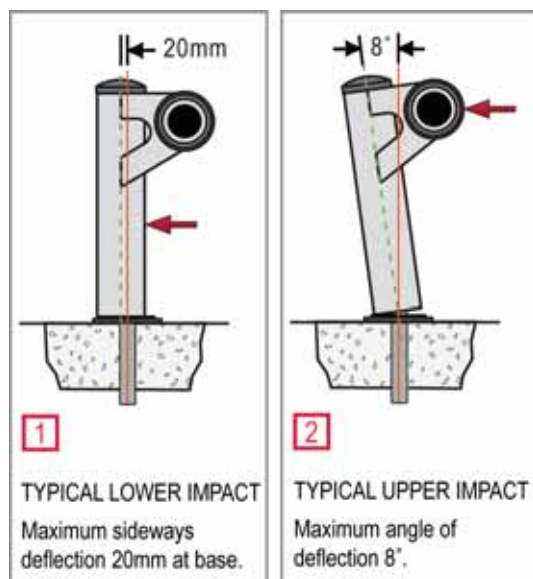
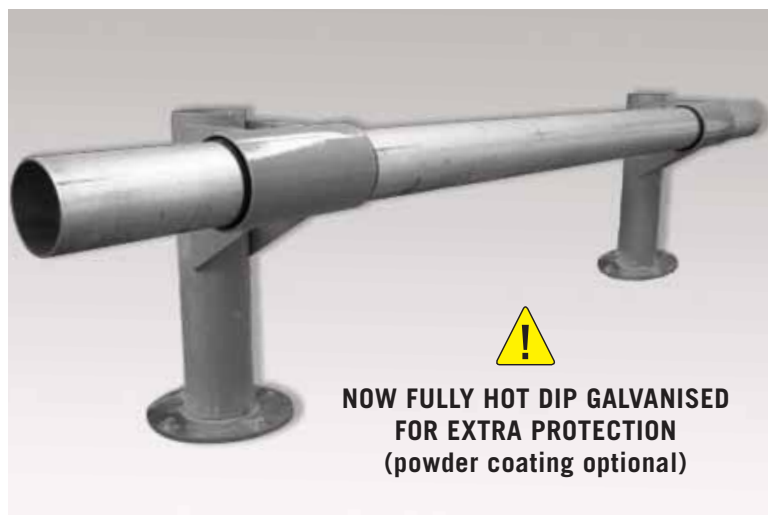
The self centering design means the SAGRs can take repeated low speed impacts without incurring permanent damage. They simply absorb the impact and return to their original position without damaging floors, as with rigid barriers.

These unique characteristics result from the combination of clever engineering and the use of high tech composite materials. SAGR posts are available in 140mm diameter in either core drilled in-ground or surface mounted models. Rails are 140mm diameter and available in lengths up to 6.0 metres.

**Note: Not recommended for high speed traffic environments.**

### Value features:

- » Heavy 140mm diameter galvanised steel rails and posts.
- » Eliminates damage caused by low speed impacts.
- » Moves in 2 directions simultaneously to absorb impact.
- » Suitable for indoor or outdoor use.
- » Ideal for carparks and warehouses etc.
- » Can take repeated impacts without sustaining damage.
- » Absorbs the impact and returns to its original position.
- » Available in core drilled or surface mount models.



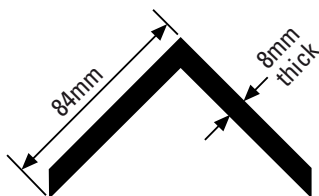
PART No.	DESCRIPTION
SAGR140-CD	Shock Absorbing Guard Rail Core Drilled Post
SAGR140-SM	Shock Absorbing Guard Rail Surface Mount Post
SAGR2000	Shock Absorbing Guard Rail 2000mm long (requires 2 posts)
SAGR3000	Shock Absorbing Guard Rail 3000mm long (requires 2 posts)
SAGR4000	Shock Absorbing Guard Rail 4000mm long (requires 2 posts)
SAGR5000	Shock Absorbing Guard Rail 5000mm long (requires 3 posts)
SAGR6000	Shock Absorbing Guard Rail 6000mm long (requires 3 posts)

### Specifications:

<b>Description:</b>	Shock Absorbing Guard Rail (SAGR).
<b>Material:</b>	Mild steel and composite core structure.
<b>Finish:</b>	Posts and rails – hot dip galvanised (powder coating optional).
<b>Height:</b>	600mm to top of rail.
<b>Diameter:</b>	Posts and Rails 140mm diameter.
<b>Weight:</b>	Posts 23kgs approx. Rails 23kgs approx. per metre.
<b>Installation:</b>	Core drilled 50mm hole x 200mm deep. Surface mount – 4 x M12 x 102mm structural anchors (supplied).

## CORNER PROTECTORS

Prevent damage to both vehicles and buildings, particularly in building basements where space is often restricted. Corner protectors are ideal in loading docks. Made from recycled rubber with reflective panels.



CP1080R Corner Protector



### Value features:

- » Reduces damage to vehicles and buildings.
- » Economical solution, simple to install.
- » Complete with reflective panels for increased visibility.

PART No.	DESCRIPTION
CP1080R	Corner protector 84 x 800mm – 1.8kgs

## DOCKING BUMPERS – D-Section

Heavy duty docking bumpers. Suitable for loading bays and jetties etc. Manufactured from hard wearing blended rubber compound.

Available in three sizes, 100 x 100 x 300mm, 100 x 100 x 1000mm and 200 x 200 x 900mm. Standard lengths can be cut as desired.

### Value features:

- » Heavy duty rubber in three sizes.
- » Can be cut to length and drilled.
- » Reduces damage to vehicles and buildings.

PART No.	DESCRIPTION
DR300	Dock bumper 100 x 100 x 300mm long (2.3kgs)
DR1000	Dock bumper 100 x 100 x 1000mm long (7.5kgs)
DR2020	Dock bumper 200 x 200 x 900mm long (35kgs)



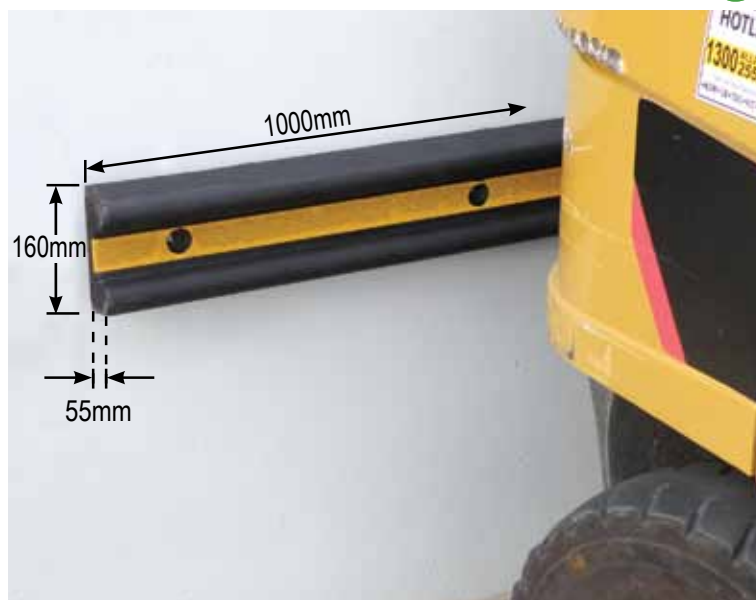
## DOCKING BUMPER – B-Section

A slimline high performance docking bumper for loading bays or areas where mobile trolleys and hand trucks cause damage to physical assets.

Only 55mm thick with reflective centre panel for improved visibility in low light environments.

### Value features:

- » Slimline design, only 55mm thick x 1000mm long.
- » Reflective panel for improved visibility.
- » Recessed mounting holes moulded in.
- » Ideal for protection against trolley and pallet trucks.



PART No.	DESCRIPTION
DR160	B-Section dock bumper 55 x 160 x 1000mm (5kgs)





## VEHICLE BUMPERS – Menni

When used as vehicle bumpers Menni modules offer a high level of impact protection to physical assets. Injection moulded from super tough and durable Linear Low Density Polyethylene (LLDPE) with recessed fixing points.

Plug multiple modules together to make the bumper any length you need. Each end or body modules comes complete with fixings and connectors. With high visibility U.V. stabilised safety yellow, solid colour, they won't fade, and are resistant to chemicals, oils etc. Quick and simple to install.

### ⚠ MORE INFORMATION ON MENNI

See page 20.

#### Value features:

- » Handy 550mm long modules in two styles.
- » Moulded from super tough polyethylene.
- » Deeply recessed fixing points protected from impact.
- » Hi-vis safety yellow with solid colour.
- » Fixings included:
  - 2 x masonry fixings, 2 x 50mm diameter washers,
  - 2 x blanking plugs, 1 x connector plug.

PART No.	DESCRIPTION
BME-Y	Menni end module – Yellow
BMB-Y	Menni body module – Yellow
BMR	Optional top reflector plugs



Menni vehicle bumper (shown here with optional reflector caps).



Menni body module.



Menni end module.

## DOCKING BUMPERS – Dock-safe

Dock-safe receiver blocks form part of our unique Dock-safe barrier system (see page 50).

When used in isolation the blocks robust construction make them ideal dock bumpers.

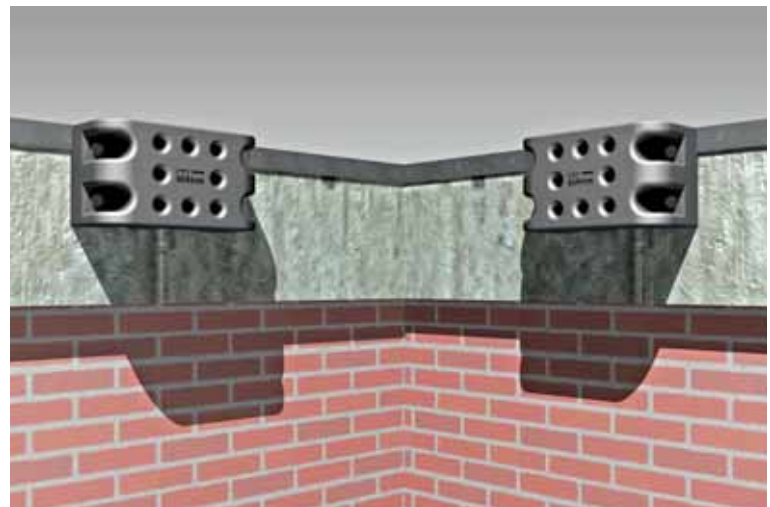
Manufactured from high quality rubber, they incorporate recessed mounting points for M12 fixings (not included) and have the ability to crush and rebound on impact.

### ⚠ HANDY HINT

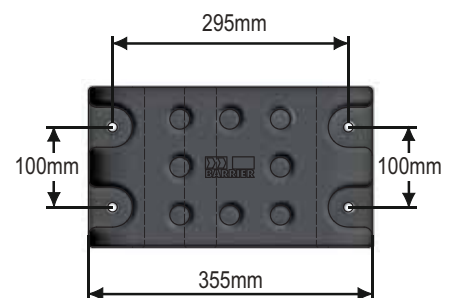
Position Dock-safe receivers so you can add drop-in Dock-safe panels at a later date if desired (see page 50.)

#### Value features:

- » Part of the unique Dock-safe barrier system (see page 50).
- » Solid rubber construction with built-in compression feature.
- » Protected and recessed fixing points.
- » High quality rubber compound.



Dock-safe receiver blocks form part of our unique Dock-safe barrier system.



PART No.	DESCRIPTION
DSR1	Dock-safe receiver 355mm long x 150mm high (12kgs)

## PARK SENTRY®

### The World's First Effective Bump-N-Go Collision Protector

Park Sentry® is a new, attractive way to add a layer of effective protection around parking structure columns. Park Sentry® adds a soft, scratch-resistant layer of protection around concrete columns, protecting both columns and vehicles from collision damage. Easily applied with few or no tools, Park Sentry® increases the visibility of the column to help avoid collisions altogether. With Park Sentry installed, vehicles can confidently park closer to the columns, virtually expanding the usable parking space.

Moulded from a thin layer of specifically engineered ARPRO® material, Park Sentry buffers the column with scratch-free padding. Park Sentry's unique design offers extra protection in the 90 degree corners where most collision damage occurs. Park Sentry can be customized to fit any square or rectangular concrete column. Ideal for car-park applications because it maximizes protection and increases parking space.

### Value features:

- » Modular design fits any sized four-sided column.
- » Made from specifically engineered ARPRO® material.
- » U.V. stabilised.
- » 40mm thick plank for low-profile installation.
- » Oil, chemical, water and flame resistant.
- » Features progressive resistance technology. Resistance increases as collision force increases.
- » Mounting points for optional mechanical attachment to column.
- » Easy to install and secure.
- » Adjustable Straps: approx. 3 metres in length.
- » All components interlock on assembly.

### Specifications

<b>Description:</b>	Car park bump protector.
<b>Material:</b>	Specifically engineered ARPRO® material.
<b>Finish:</b>	High visibility safety yellow.
<b>Diameter:</b>	Fits columns up to 610 x 610mm.
<b>Height:</b>	1 metre.
<b>Weight:</b>	5kgs.
<b>Installation</b>	Simple one person installation with straps included.



Standard kit includes: planks, corners, key-locks and straps to protect columns up to 610 x 610mm. Panels are cut down with a sharp knife to suit smaller column sizes.



Park Sentry® is manufactured from specifically engineered ARPRO® material. At just 40mm thick Park Sentry® maximises available car park space.



Corner modules are made with extra thickness and density where collisions are most likely to occur.



Each kit is supplied with a pair of 3 metre long adjustable straps.



Panel modules feature progressive resistance technology. Resistance increases as collision force increases.

PART No.	DESCRIPTION
PS-Y-KIT	Park Sentry Kit – Yellow
PS-Y-CORNER	Park Sentry corner – Yellow
PS-Y-PLANK	Park Sentry plank – Yellow
PSS-4000-BR	Park Sentry – additional straps



## Superior material protects vehicles and columns!

- » Made of ARPRO®, a high tech material specifically engineered to absorb impact.
- » Oil, chemical, water and flame resistant and 100% recyclable.
- » Thin design virtually adds space to parking structures – vehicles can now park closer to columns.
- » Interlocks at corners for edge-to-edge protection.
- » Specially designed flat panels give progressive resistance, offering soft protection for slight bumps, and more resistance when needed to absorb harder collisions.
- » Extra thickness at corners to resist damage at the most vulnerable spots.

## Reduces garage maintenance, improves appearance!

- » Hides damaged columns and walls without an expensive paint job.
- » Seamless design modernizes the look of any garage.
- » Protects concrete columns from damage.

## Customizable to fit any column!

- » Cuts easily to fit around poles, pipes and curbs.
- » Extensions available to fit flat walls and larger columns.

### Installation:

- » No tools required.
- » Modular tools interlock using the included key-lock system.
- » Can be mechanically attached to walls for added security.
- » Replacement pieces can be attached without replacing the entire structure.



CUT



INSTALL



STRAP





## COLUMN SENTRY®

Column Sentry® is the most complete impact protection available to fully protect your investments, your facility, your equipment and your people. Column Sentry® absorbs impacts by surrounding your columns with a unique cushion of air.

One person can install and remove for maintenance in seconds. They are available in a range of standard sizes that fit common column sizes.

Moulded from high impact polyethylene in bright safety yellow with contrasting black straps and U.V. stabilised for indoor or outdoor use.

Column Sentry's unique design can be used on square, round or 'H' pattern columns offering both versatility and durability. The air vent system allows air to escape during impact, allowing the column protector to absorb impact and then return to its original form.

### Value features:

- » Protects square, round or 'H' columns.
- » Incredibly tough.
- » Highly visible safety yellow colour.
- » U.V. stabilised.
- » Easily installed (no tools required).
- » Surprisingly cost-effective and maintenance free.
- » Extremely versatile and durable.
- » Chemical resistant, non-conductive & waterproof.
- » Simply remove for maintenance.

### Specifications

**Description:** Polyethylene column protector.

**Material:** Low-density polyethylene.  
2 x black retaining straps.

**Finish:** Safety yellow (solid colour).

**Size:** 600D x 1070H physical size.  
To suit column – 200 x 200 or 200mm Ø.  
– 250 x 250 or 250mm Ø.  
– 300 x 300 or 300mm Ø.  
840D x 1070H physical size.  
To suit column – 350 x 350 or 350mm Ø.  
– 410 x 410 or 410mm Ø.

**Weight:** 10kgs up to 41kgs.

**Installation:** Simple one person installation with self-gripping straps.



Simple two-piece design provides repeated protection for the structural integrity of your building.



No tools required, one person can install in seconds. Can be simply removed or replaced for maintenance.



Moulded from bright yellow high impact polyethylene for maximum durability. Semi-flexible and stress crack resistant.



Ideal in a variety of environments – parking garages, warehouses or factories. Indoors or outdoors.

PART No.	DESCRIPTION
CS60107-20S	To suit columns up to 200mm x 200mm or 200mm dia. Overall size 600mm dia. x 1070mm high
CS60107-25S	To suit columns up to 250mm X 250mm or 250mm dia. Overall size 600mm dia. x 1070mm high
CS60107-30S	To suit columns up to 300mm x 300mm or 300mm dia. Overall size 600mm dia. x 1070mm high
CS84107-35S	To suit columns up to 350mm x 350mm or 350mm dia. Overall size 840mm dia. x 1070mm high
CS84107-41S	To suit columns up to 410mm x 410mm or 410mm dia. Overall size 840mm dia. x 1070mm high