

03

VEHICLE & PARKING

A wide range of products and accessories for car parks, shopping centres, factories and institutions to control the movement of vehicles and safety of pedestrians.

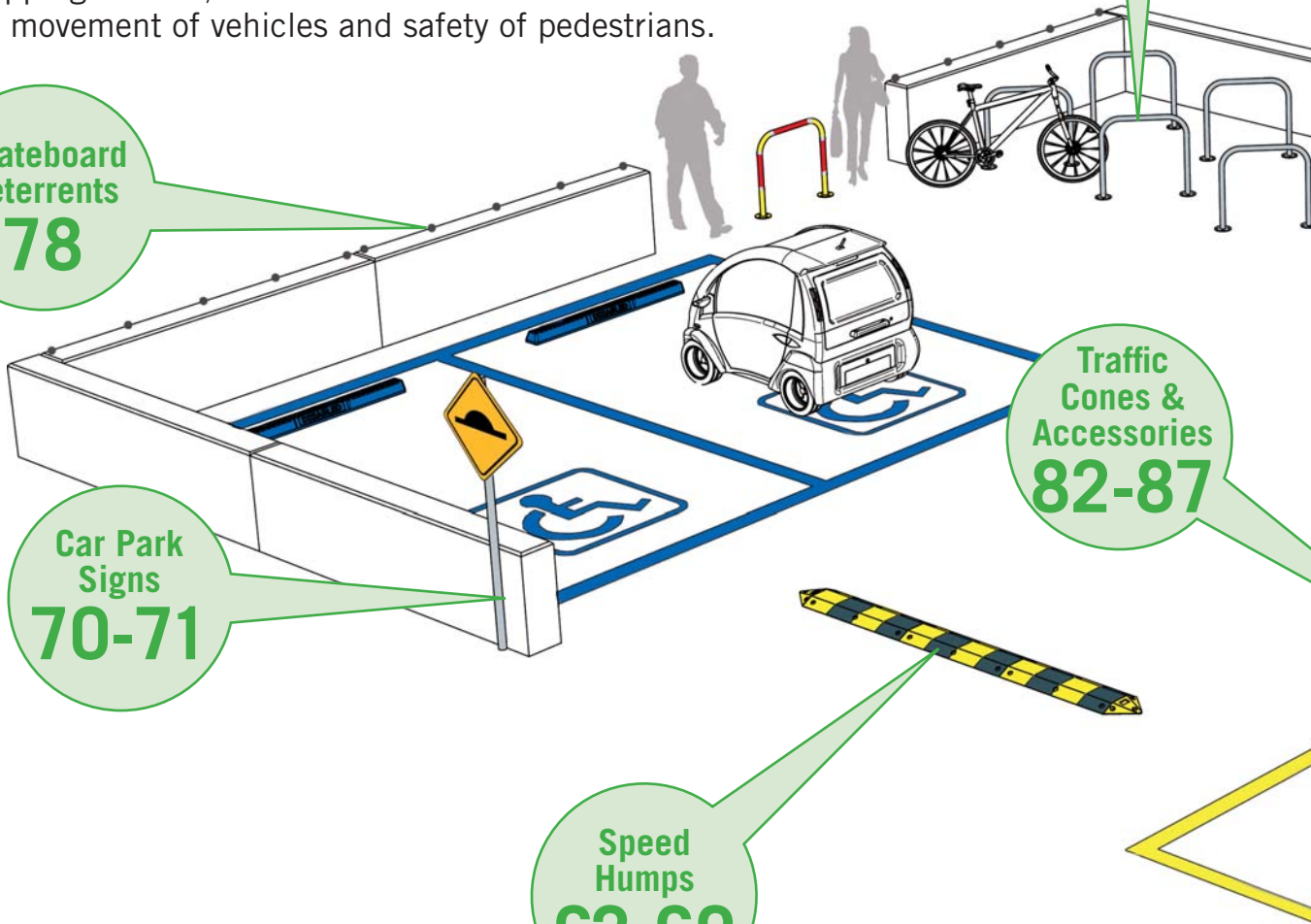
Skateboard
Deterrents
78

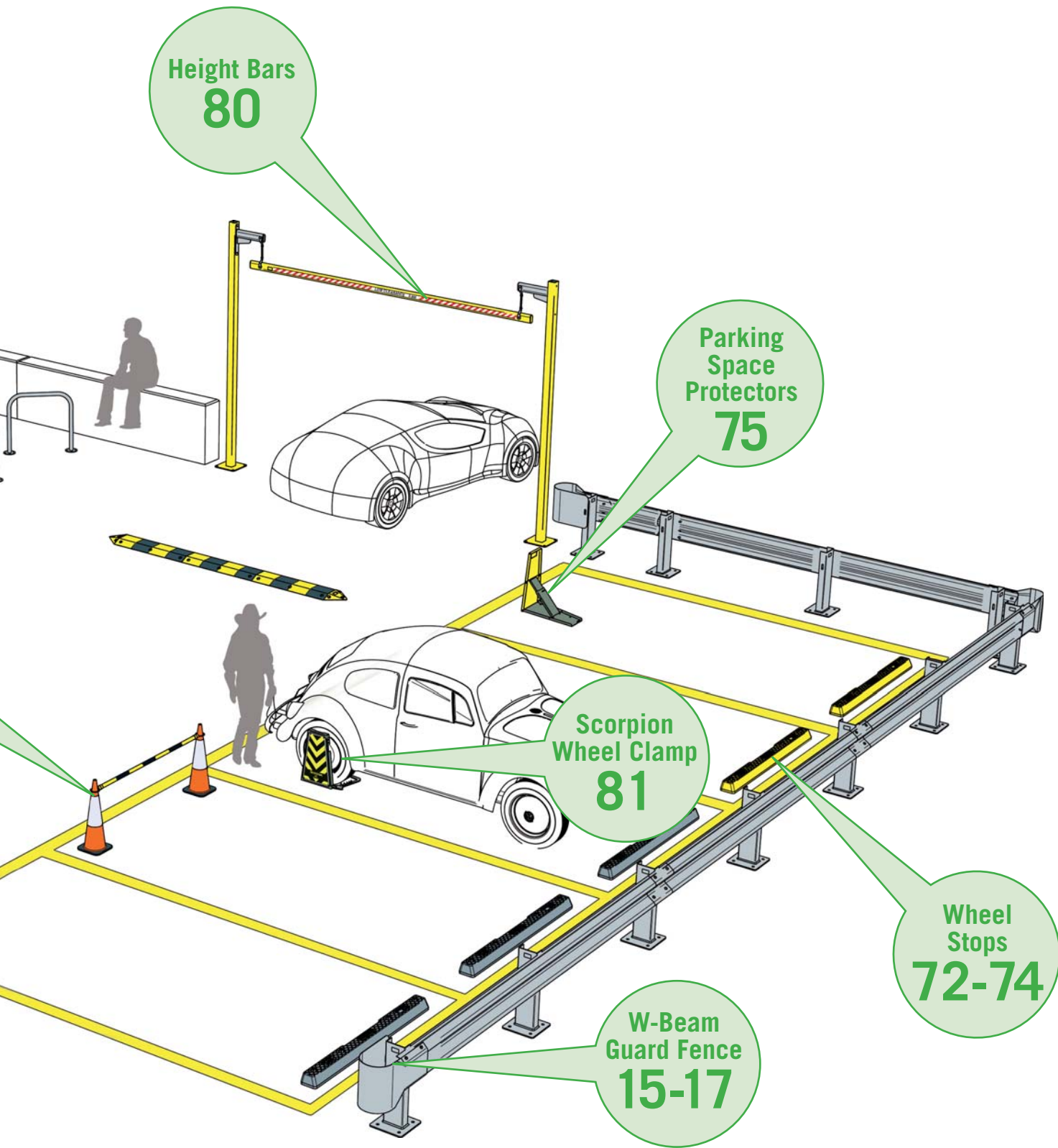
Car Park
Signs
70-71

Speed
Humps
62-69

Bike Racks
& Rails
76-78

Traffic
Cones &
Accessories
82-87





NEW TO VEHICLE & PARKING:



Car Park Signs



The Zephyr



Wheel Chock Range Expanded



Skateboard Stops



Designed to comply with Australian Standards

SPEED HUMP SELECTION CHART

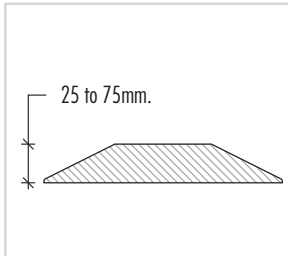
Note: This table is intended as a guide only to assist in selection.

It is the purchaser's responsibility to determine the suitability for their intended use.

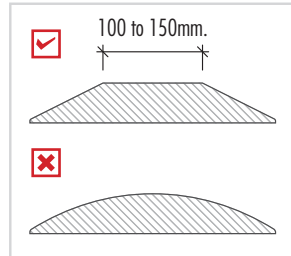
AUSTRALIAN STANDARDS FOR SPEED HUMPS AS/NZS 2890.1:2004 The speed humps in this table have all been designed to comply fully with the requirements of "type 2" speed humps as set out in AS/NZS 2890.1:2004 (see page 63 for design details).	SM1000HD Slo-Motion Heavy Steel	SM1000 Slo-Motion Standard Steel	SMC250 Slo-Motion Compliance	SME50 Economy Rubber 50mm
ALWAYS SPECIFY THE TYPE AND CONDITION OF THE ROAD SURFACE WHERE THE SPEED HUMP YOU ORDER IS TO BE INSTALLED				
Design complies with AS/NZS 2890.1:2004 'type 2' speed humps	Yes	Yes	Yes	Yes
Performance rating	Extra Heavy	Heavy	Extra Heavy	Medium
Maximum recommended load per axle	20 tonnes	10 tonnes	20 tonnes	5 tonnes
Suitable for constant heavy vehicle traffic (Incl. truck & bus)	Yes	No	Yes	No
Suitable for high volume car and some truck traffic	Yes	Yes	Yes	No
Suitable for low volume car traffic or short term use	Yes	Yes	Yes	Yes
Made from materials that are readily recyclable	Yes	Yes	Yes	No
Material (body modules)	Fabricated steel	Fabricated steel	Polyethylene	Recycled rubber
Resistance to fading over three years	Good	Good	Excellent	Poor
Weight per metre (kgs)	24.5kgs	16.5kgs	7.2kgs	16kgs
End caps (sold in pairs)	Steel	Rubber or steel	Polyethylene	Recycled rubber
Fixings per metre	6	4	8	8
Fixings supplied (M10 x 90mm coach bolts with Hilti plugs)	Yes	Yes	Yes	Yes
Concrete screw bolts available	Optional	Optional	Optional	Optional
Gravel spikes available (300mm)	Optional	Optional	Optional	Optional
Width of hump (direction of travel)	350mm	350mm	360mm	340mm
Height of hump	55mm	52mm	60mm	50mm
No. of modules per metre	1 x 1m	1 x 1m	4 x 250mm	4 x 250mm
500mm modules available	Yes	Yes	N/A	N/A

PLEASE NOTE:

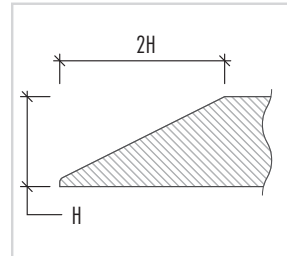
The Australian Standard which regulates the design and use of speed humps for use in off-street parking in Australia is 'AS/NZS 2890.1:2004 parking facilities'. AS/NZS 2890.1:2004 identifies four main criteria in the design of "type 2" speed humps: height, cross section, ramp angle and markings. Don't be fooled! Until now very few "type 2" speed humps sold in Australia met these four criteria. Of the non-metal type, most if not all are manufactured overseas from cheap, very poor quality reclaimed materials of variable origin which quickly breakdown, fade or fail under Australian conditions.



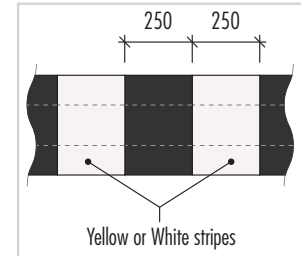
Height: Must be between 25 & 75mm.



Cross Section: Must be flat on top. Not round or peaked.



Ramp Angle: Must have a ramp angle 2:1.



Markings: Must have alternating parallel Yellow or White stripes 250mm wide.

FREQUENTLY ASKED QUESTIONS

1. Where can 'type 2' speed humps like these be used?

Type 2 speed humps as described in AS/NZS 2890.1:2004 are appropriate for use on private property or covered and multi-storey car parks, where it is desired to further check the speed of vehicles, mostly travelling at 30 km/h or less.

2. How far apart should speed humps be positioned?

Road humps shall be spaced at no less than 10 metres apart for Type 2, along any one aisle or roadway. Maximum spacing where required to control speeds continuously along a roadway should be about 50 metres. Humps should always be located clear of intersections and curved road ways.

3. What about pedestrians and speed humps?

Humps shall not impede pedestrian or wheelchair traffic on any accessible travel path provided for people with disabilities. An accessible path of travel needs to be a minimum of 1 metre wide.

4. I've seen some rubber speed humps that are round on top. Do these comply with the standards?

No, AS/NZS 2890.1:2004 clearly states that "type 2" speed humps should be flat on top with a ramp angle of 2:1 on both sides. See above for a clearer explanation of the design requirements of AS/NZS 2890.1:2004.

5. Is it true that steel speed humps rattle when vehicles cross them, and if they do, why is this the case?

(1) They have been incorrectly installed or installed using fixings that are not suited to the road surface.

OR

(2) The other major reason metal speed humps come loose and develop rattles is poor design. There is a belief that placing a thick rubber underlay beneath a hump during installation will eliminate rattles. **WRONG!** Many years of experience has proven that humps requiring rubber underlay as part of their installation in fact act like a cake cutter, destroying the rubber underlay which then leaves the hump loose. The Barrier brand Slo-Motion steel speed humps have been designed with large flat pads. (up to 4 times the footprint of competitors products). This large footprint eliminates the need for a rubber underlay and reduces the risk of humps working loose, thereby eliminating noise.



STEEL SPEED HUMP

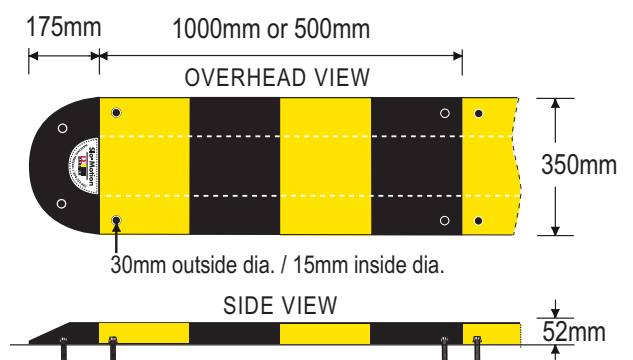
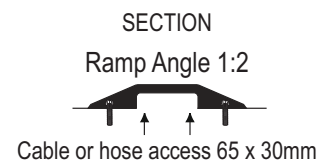
Slo-Motion Standard Duty

Features:

- Designed to comply with AS/NZS 2890.1:2004.
- More than four times the load bearing contact area with the road surface than competitor's products.
- Can be used with or without end caps.
- Comes complete with all fixings.
- Truly independent modules for easy removal.
- **Does not need a rubber underlay to prevent rattle.**
- Concealed fixings remain accessible.
- Modules have a built in bridge design to accommodate hoses or cables.

Top skin:	3mm floor plate.
Length:	1 metre or 1/2 metre.
Width:	350mm (in the driving direction).
Height:	52mm.
Ramp angle:	2:1.
Weight:	SM1000 – 16.5kgs. SM500 – 9.2kgs. SMEC – 5.2kgs/pair (rubber). SMSEC – 5kgs/pair (steel).
Fixings:	4 (supplied).

**Ideal for car parks,
shopping centres or
factory complexes**



PART No.	DESCRIPTION
SM1000	Slo-Motion standard duty steel speed hump – 1 metre
SM500	Slo-Motion standard duty steel speed hump – 0.5 metre
SMEC	Rubber end caps – 1 pair
SMSEC	Steel end caps – 1 pair
SPIKES	Optional steel gravel spikes for fixing into loose surfaces – 300 x 12mm each



**Awareness
sign kit and
components
70**



STEEL SPEED HUMP

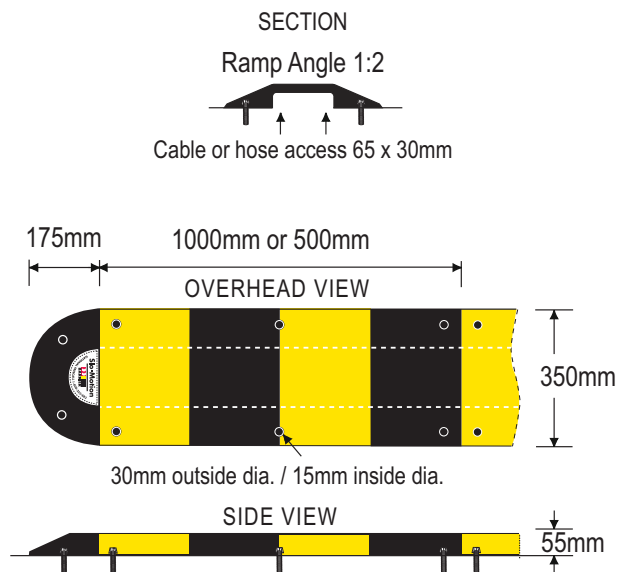
Slo-Motion Heavy Duty

Features:

- Designed to comply with AS/NZS 2890.1:2004.
- More than four times the load bearing contact area with the road surface than competitor's products.
- Use with or without end caps.
- A choice of either steel or rubber end caps.
- Comes complete with all fixings.
- Truly independent modules for easy removal.
- **Does not need a rubber underlay to prevent rattle.**
- Concealed fixings remain accessible.
- Modules have a built in bridge design to accommodate hoses or cables.

Top skin:	6mm floor plate.
Length:	1 metre or 1/2 metre.
Width:	350mm (in the driving direction).
Height:	55mm.
Ramp angle:	2:1.
Weight:	SM1000HD – 24.5kgs SM500HD – 13kgs. SMEC – 5.2kgs/pair (rubber). SMSEC – 5kgs/pair (steel).
Fixings:	6 (supplied).

Perfectly suited to heavy duty installations like transport depots, factories and terminals etc.



PART No.	DESCRIPTION
SM1000HD	Slo-Motion heavy duty steel speed hump – 1 metre
SM500HD	Slo-Motion heavy duty steel speed hump – 0.5 metre
SMEC	Rubber end caps – 1 pair
SMSEC	Steel end caps – 1 pair
SPIKES	Optional steel gravel spikes for fixing into loose surfaces – 300 x 12mm each





SLO-MOTION COMPLIANCE

Super Heavy Duty & Quiet

Features:

- Designed and developed in Australia to comply with AS/NZS 2890.1:2004.
- Solid colour. U.V. stabilised, high tech composite plastic construction.
- Supplied with fixings ready for installation.
- Built-in prismatic reflectors for improved night visibility.
- Slip resistant texture moulded into surface.
- Built-in cable channel 27 x 30mm.
- Strengthened mounting points with large diameter load sharing washers.
- Low noise design suitable for residential areas.
- Light weight with incredible strength, able to take vehicles, trucks and buses etc.

Material: Injection moulded Linear Low Density Polyethylene (LLDPE).

Finish: Solid colour (Black or Yellow).

Length: Body module – 250mm (i.e. 4 modules per metre).
End cap – 180mm radius.

Width: 360mm (in the driving direction).

Height: 60mm.

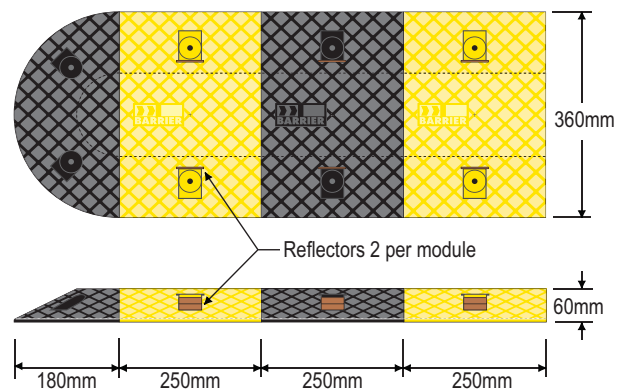
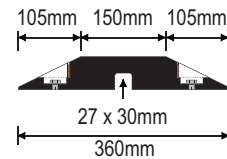
Ramp angle: 2:1.

Weight: Body module – 1.8kgs.
End cap – 0.8kg.

Fixings: 2 per module (supplied).

PART No.	DESCRIPTION
SMC250Y	Slo-Motion compliance speed hump 250mm body module – Yellow
SMC250B	Slo-Motion compliance speed hump 250mm body module – Black
SMC250E	Slo-Motion compliance speed hump 180mm radius end caps – Black (pair)

Manufactured from environmentally friendly polyethylene (LLDPE)



Awareness sign kit and components
70



ECONOMY RUBBER SPEED HUMP

This speed hump is an economical alternative to more expensive models. It is ideally suited to lower traffic environments such as unit and town house developments or for short term installations. They are manufactured from a mixture of natural and recycled rubber. When laid in an alternating pattern they conform to AS/NZS 2890.1:2004. Can also be used as a liquid bunding if installed with a sealant. e.g. silastic.

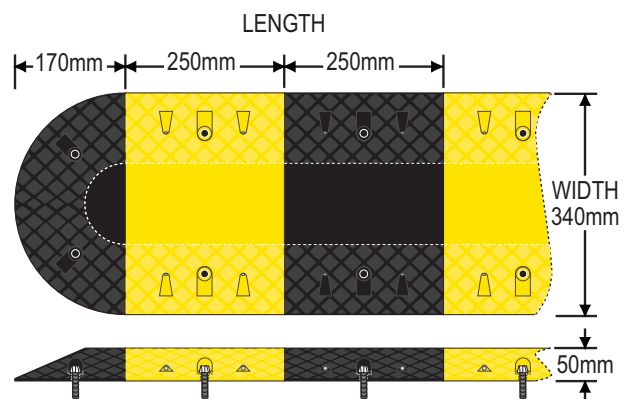
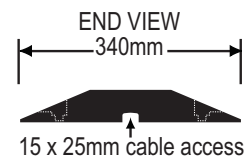
Features:

- Designed to comply with AS/NZS 2890.1:2004.
- Can be used with or without end caps.
- Comes complete with all fixings.
- Concealed fixings remain accessible.
- Built in bridge design to accommodate a cable or hose (when used without end caps).

Material:	Recycled and Natural rubber.
Length:	Body module – 250mm (i.e. 4 modules per metre). End caps – 170mm radius.
Width:	340mm (in the driving direction).
Height:	50mm.
Weight:	Body module – 4kgs. End cap – 2kgs.
Fixings:	Body modules – 2 per module. End caps – 4 per pair.

PART No.	DESCRIPTION
SME50B	Economy rubber speed hump 50mm module – Black
SME50Y	Economy rubber speed hump 50mm module – Yellow
SMEC	Rubber end caps (1 pair) – Black

Economical and quiet,
ideal for use around
residential areas





ROAD SPIKES One Way Access Spikes

Features:

- Extremely strong construction, 6mm top plate.
- Hi-Vis Lime Green with Hi-Vis Orange spikes.
- Deters access from unauthorised direction.
- All teeth operate independently of each other.
- Low profile design ensures legal vehicle clearance.
- Soft approach due to low ramp angle.
- Comes complete with all fixings.
- Available in 1000 and 500mm lengths.

Finish:	Lime Green and Hi-Vis Orange powder coat.
Top Skin:	6mm floor plate.
Length:	1000mm or 500mm.
Width:	380mm.
Height:	Teeth up 95mm. Teeth retracted 50mm.
Weight:	½ metre – 13kgs (approx.) 1 metre – 26kgs (approx.) Ends – 5kgs per pair (approx.)
Fixings:	8 per metre (supplied). 4 per ½ metre (supplied).

PLEASE NOTE:

Always check with your local authority or controlling body to ensure one way access spikes are allowable in your situation (this is the end user's responsibility). Blade Runner one way access spikes **MUST** always be installed with an awareness sign kit (P/N BRSKIT). One way access spikes should always be placed clear of intersections and curved roadways. Failure to heed these warnings will void all warranties.

PART No.	DESCRIPTION
BR1000	Blade runner one way access spikes body module – 1000mm
BR500	Blade runner one way access spikes body module – 500mm
BRSE	Blade runner end caps (pair)
BRSKIT	Blade runner warning sign kit (page 68)



End caps available in Black or Yellow

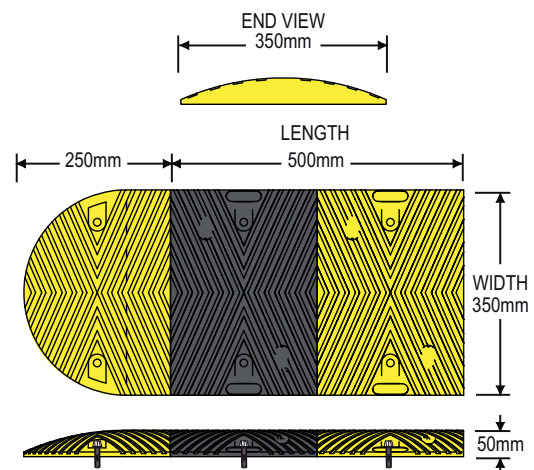
TRAFFIC CALMING RUBBER HUMPS

Features:

- Full load bearing contact area with road surface.
- Convenient modular system can be configured to any length.
- All modules supplied with fixings.
- Concealed fixings remain accessible.
- Highly shock absorbent rubber is both quiet and smooth in operation.
- Rubber construction conforms to uneven surfaces.



Material:	Solid natural and recycled rubber.
Finish:	Moulded Black/Yellow rubber sections.
Length:	Body 500mm, End 250mm.
Width:	350mm (both Body and End modules).
Height:	50mm.
Weight:	Body 7kgs each, End 2kgs pair.
Fixings:	4 per body, 2 per end (supplied).



PART No.	DESCRIPTION
SMT350BY	Traffic calming rubber hump body module – 350 x 500 x 50mm (Black/Yellow)
SMT350EB	Traffic calming rubber hump end module – 350 x 250 x 50mm (Black)
SMT350EY	Traffic calming rubber hump end module – 350 x 250 x 50mm (Yellow)



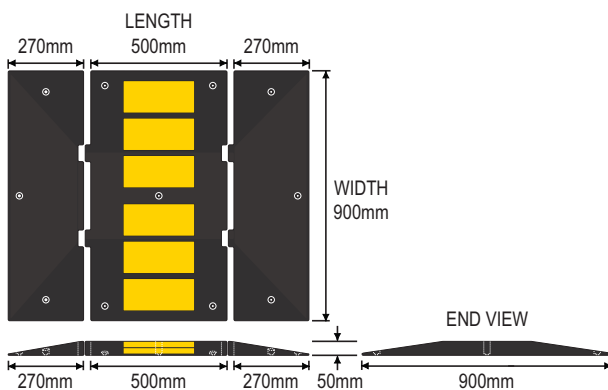
End caps are sold as a male & female pair only

TRAFFIC CALMING RUBBER HUMPS

Features:

- Full load bearing contact area with road surface.
- Convenient modular system can be configured to any length.
- All modules supplied with fixings.
- Concealed fixings remain accessible.
- Highly shock absorbent rubber is both quiet and smooth in operation.
- Rubber construction conforms to uneven surfaces.
- Middle sections fitted with high visibility non-slip panels.

Material:	Solid natural and recycled rubber.
Finish:	Moulded Black rubber with Yellow panels.
Length:	Body 500mm, End 270mm.
Width:	900mm (both Body and End modules).
Height:	50mm.
Weight:	Body 20kgs each, End 15.7kgs pair.
Fixings:	5 per body, 6 per pair of ends (supplied).



PART No.	DESCRIPTION
SMTC900	Traffic calming rubber hump middle module – 900 x 500mm
SMTC900E	Traffic calming rubber hump end modules (pair) – 900 x 270mm

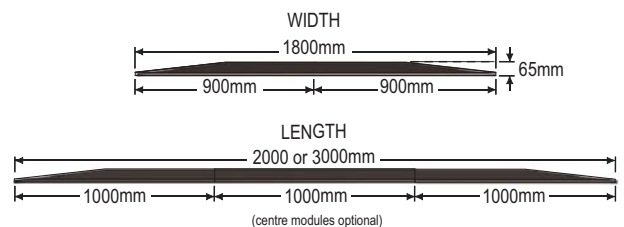


RUBBER SPEED CUSHION

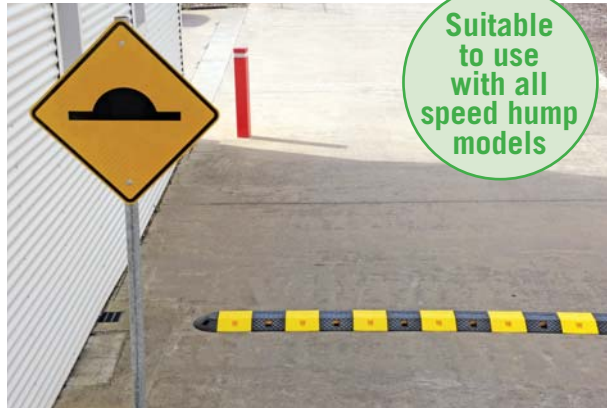
Features:

- Embedded reflective material increases visibility and safety, day or night.
- All-weather easy maintenance: will not warp, chip, crack, crumble or corrode.
- Extremely durable: tough enough for heavy traffic.
- Flexible: conforms to road curvature and any asphalt or concrete surface.
- Resistant to extreme temperature variations, U.V., oils, moisture and damage.
- Available as a four or six panel kit.

Material:	Recycled rubber.
Finish:	Black with embedded reflective panels.
Length:	Individual panels 1000mm. Assembled cushion 2000 or 3000mm.
Width:	Individual panels 900mm. Assembled cushion 1800mm.
Height:	65mm.
Weight:	Middle module 57kgs. Corner module 40kgs. Assembled 200 or 300kgs (approx.)
Fixings:	Supplied.



PART No.	DESCRIPTION
RSC-R	Rubber speed cushion – right end
RSC-M	Rubber speed cushion – middle
RSC-L	Rubber speed cushion – left end
RSC-KIT4	Rubber speed cushion – 4-panel kit
RSC-KIT6	Rubber speed cushion – 6-panel kit



AWARENESS SIGN KIT Speed humps

A prepackaged sign kit for use with speed hump installations. The kit comprises the necessary sign, brackets and post to complete the installation. You can also purchase the components individually.

PART No.	DESCRIPTION
BSHKIT	Complete speed hump sign kit
S1000-RA	Speed hump sign – class 1 reflective 600 x 600mm
SP2800	Galvanised sign post – 2800 x 60mm
SPB1	Single sided sign bracket (requires 2)
CAP60	Galvanised post cap to suit 60mm sign post



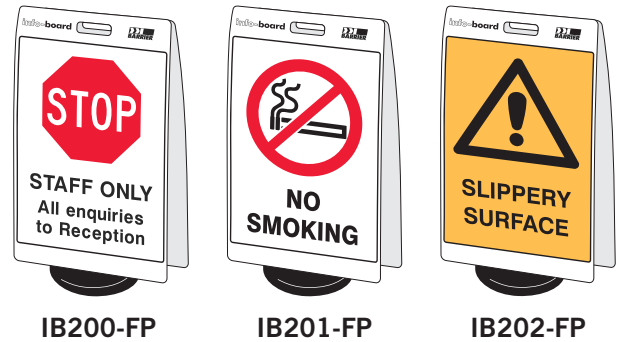
AWARENESS SIGN KIT Road Spikes

The Blade Runner awareness sign kit is designed to give advanced warning of the presence of one way road spikes. Each kit comprises one galvanised sign post 2.8 metres long, one warning sign, one no-entry sign, four sign post brackets and one post cap.

PART No.	DESCRIPTION
BRSKIT	Blade runner warning sign kit

INFO-BOARDS

Info-Board comprises a 7kg moulded rubber base and a range of die cut, double sided sign boards. The 7kg base adds stability in windy locations. The range of 10 stock sign faces are an industry standard 600 x 450mm.



PART No.	DESCRIPTION
BOARDS	See numbers beneath the info-boards (above)
IB-BASE	Replacement Info-Board base – 7kgs



CAR PARK SIGNS

The Class 1 reflective aluminium signs in this range are intended for private car park or off street use. Before using these signs on public road ways please ensure your selection meets the standards and requirements applicable to your state or territory.



S1000-RA
600 X 600mm



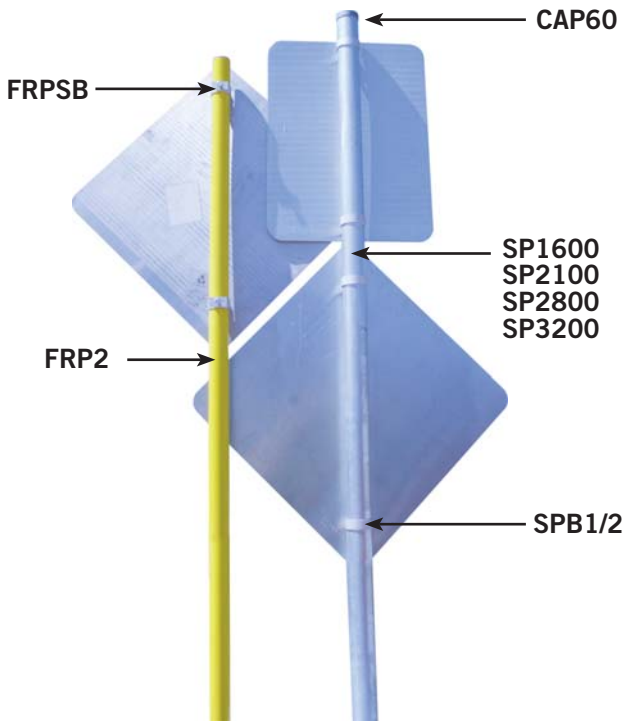
S1001-RA
600 X 600mm



S1007-RA
600mm diameter



S1155-RA
600 X 600mm



Sign posts and brackets.



S1005-RA
600 x 600mm



S1018-RA
450 x 450mm



S1166-RA
450 X 600mm



S1167-RA
450 X 600mm

PART No.	DESCRIPTION
SIGNS	See numbers beneath the signs (right)
SP1600	Galvanised sign post 60 x 1600mm – In-ground
SP2100	Galvanised sign post 60 x 2100mm – In-ground
SP2800	Galvanised sign post 60 x 2800mm – In-ground
SP3200	Galvanised sign post 60 x 3200mm – In-ground
CAP60	Galvanised post cap to suit 60mm sign post
SPB1	Galvanised sign post bracket – Single-sided
SPB2	Galvanised sign post bracket – Double-sided
FRP2400	Flexible Fibre Reinforced Plastic post 50 x 240mm
FRPSB	FRP sign post bracket – Double-sided
FRPBF	FRP surface mount base flange – 50mm dia.



S1022-RA
450 x 600mm



S1170-RA
450 x 600mm

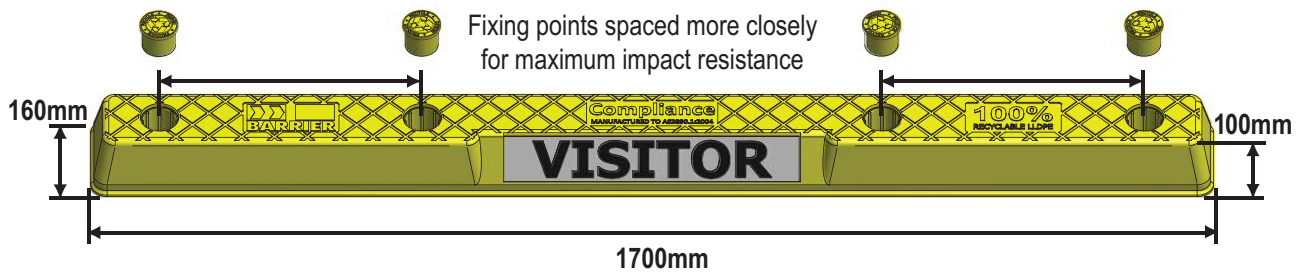


At last, a **Green Alternative** to rubber, concrete and steel wheel stops!

Introducing our Compliance one-piece wheel stop. Designed to comply with AS/NZS 2890.1:2004 and manufactured from high-tech Linear Low Density Polyethylene (LLDPE) with sustainability in mind. The Compliance one-piece wheel stop is packed with features never before seen in a wheel stop anywhere in the world. It will not fade, rot or rust and it comes complete with fixings and blanking plugs. Also, weighing only 5.5kgs each they are a dream to install.

Compliance is available in three standard U.V. stabilised colours – Safety Yellow for increased visibility and pedestrian safety, Blue for highlighting disabled parking spaces and Concrete Grey.

Wheel
Stop Signs
74



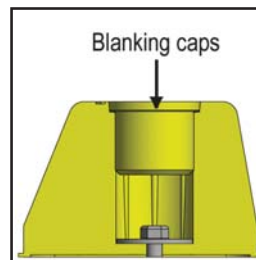
DESIGNED TO COMPLY WITH AUSTRALIAN STANDARDS AS/NZS 2890.1:2004



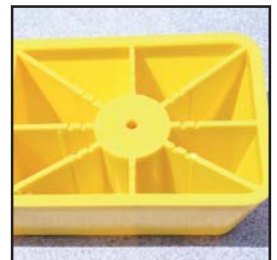
By comparison, rubber wheel stops typically weigh around 16kgs and concrete up to 100kgs.



Choose from three different fixing systems.



Deeply recessed mounting points provide maximum hold-down.



Internal structure combines incredible strength and flexibility.




COMPLIANCE WHEEL STOP

Features:

- Designed and manufactured to AS/NZS 2890.1:2004.
- Manufactured from environmentally friendly Linear Low Density Polyethylene (LLDPE).
- Solid colour and U.V. stabilised.
- Extremely tough structure with retained flexibility.
- Lightweight, (only 5.5kgs) for one person installation.
- Range of signs available (page 74).
- Four high-strength fixing points with blanking caps to provide a flush finish and conceal fixings.
- Available in three colours – Yellow, Blue and Grey.
- Three standard fixing systems available.
- Moulded-in sign recess for personal identification.
- Absolutely unique, world-first design.
- Optional reflector plugs available.
- Comes complete with fixings and blanking plugs.

Material:	Injection moulded Linear Low Density Polyethylene (LLDPE).
Finish:	Solid colour, in Yellow, Blue or Grey.
Length:	1700mm to AS/NZS 2890.1:2004 .
Width:	160mm at the base.
Height:	100mm to AS/NZS 2890.1:2004 .
Weight:	5.5kgs each (approx.)
Fixings:	Four (selected from the table below).

PART No.	DESCRIPTION
CWS1700Y	One piece compliance wheel stop – Safety Yellow for improved pedestrian safety (fixings supplied).
CWS1700B	One piece compliance wheel stop – Disabled Blue for disabled parking spaces (fixings supplied). 
CWS1700G	One piece compliance wheel stop – Concrete Grey (fixings supplied).
BMR	Optional reflector plugs (each)



RMIT University proves Barrier Group's Compliance One Piece Wheel Stop is better for the environment than recycled rubber

Definitive conclusions from RMIT University indicated that the Compliance One Piece Wheel Stop is a better alternative than recycled rubber, for five different measures of environmental impact.

Barrier Group's Compliance One Piece Wheel Stop has been found to be the green alternative to Rubber (and indeed, by extrapolation, it has significant advantages over concrete and steel wheel stops).

It won't fade, rot, rust or crack. It has solid colours and is U.V. stabilised. It is extremely tough.

Weighing only 5.5kgs, the Compliance One Piece Wheel Stop is easy to install with fixings (4 fixing points) and blanking plugs included.

Designed to comply with AS/NZS 2890.1:2004 and manufactured from high-tech Linear Low Density Polyethylene (LLDPE) with sustainability in mind, the Compliance One Piece Wheel Stop has emerged as a winner!

FIXINGS	DESCRIPTION
KIT17	Use for fixing into good quality asphalt or bitumen. Comprises four each of M10 x 100mm coach bolt, 44mm heavy washers and high performance masonry anchors.
KIT18	Use in conventional reinforced concrete. Drill depth 85mm. Comprises four each of M10 x 75mm concrete screw anchors and 44mm heavy washers.
KIT19	Use for shallow drilling into concrete. Drill depth 43mm. Comprises four each of M10 x 40mm drop-in anchors, 44mm heavy washers and M10 x 25mm set screws.



RUBBER WHEEL STOP

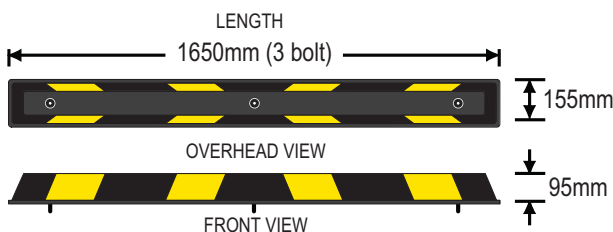
An economical one piece rubber wheel stop with Hi-Vis Yellow panels. Manufactured from recycled materials with dimensions that comply to AS/NZS 2890.1:2004.

Suited to use in factories, warehouses and car parks etc. Comes complete with fixings.

Features:

- Complies with AS/NZS 2890.1:2004.
- Economical and simple to install.
- Solid moulded construction.
- Recycled materials won't chip or corrode.
- Comes complete with fixings.

Material:	Recycled and natural rubber.
Finish:	Solid Black rubber with Hi-Vis Yellow Panels.
Length:	1650mm.
Width:	155mm.
Height:	95mm.
Weight:	14kgs.
Fixings:	3 x 150mm masonry anchors (gravel spikes optional).



PART No.	DESCRIPTION
RWS1650	One piece rubber wheel stop – Black (fixings supplied)
SPIKES	Optional steel gravel spikes for fixing into loose surfaces – 300 x 12mm each



WHEEL STOP SIGNS

Features:

- Made from flexible polypropylene.
- Range of standard lengths.
- Can be custom made.
- “Do-It-Yourself” blank sign available.
- Will accept vinyl lettering.
- Can be attached to most wheel stop designs.

Material:	1.4mm White polypropylene.
Finish:	Screen printed text. Black text – CWS-VISITOR, CWS-STAFF, CWS-15MIN, CWS-RESERVED. Blue text – CWS-DISABLED.
Size:	75 x 450 x 1.4mm.
Fixings:	6 x self tapping screws (supplied).
Installation:	Install onto Compliance and Rubber wheel stop ranges (CWS1700 & RWS1650).



PART No.	DESCRIPTION
CWS-VISITOR	Wheel stop sign – VISITOR
CWS-DISABLED	Wheel stop sign – DISABLED
CWS-STAFF	Wheel stop sign – STAFF
CWS-15MIN	Wheel stop sign – 15 MINUTE
CWS-RESERVED	Wheel stop sign – RESERVED
CWS-BLANK	Wheel stop sign – BLANK



Ideal in residential complexes to slow the flow of vehicles.

RUMBLE STRIP

Features:

- 500mm long x 100mm wide x 15mm thick.
- Durable and versatile low profile recycled rubber
- Used as a speed moderator or lane divider on roadways.
- Can be used as a wall mounted bump protector.
- Can be installed with appropriate masonry fixings or glued using a suitable adhesive.

Part No.	DESCRIPTION
RS500-B	Rumble strip 500 x 100 x 15mm – Black
RS500-Y	Rumble strip 500 x 100 x 15mm – Yellow



PARKING SEPARATOR

Features:

- 1000 x 150 x 50mm, total weight 6.6kgs.
- Moulded from recycled rubber with a Hi-Vis Yellow finish with three reflective panels on each side.
- Can be mounted into concrete or asphalt with the fixings supplied.
- When wall mounted it can be used as a docking or car park buffer.

PART No.	DESCRIPTION
PS1000-Y	Parking separator 1000 x 150 x 50mm – Yellow

Phone us or visit our website for more information!



Fold Down Bollards 9

LOK-UP (No Parking or No Entry)

Features:

- Available in two different models.
- Zinc plate and Safety Yellow powder coat.
- It stands 750mm tall when locked upright.
- It lays 35mm low when locked down.
- Comes complete with padlock and fixings.
- Large footprint for mounting into concrete or asphalt.
- Reflective sign face for night visibility.
- Locks in both the up and down positions.

Material: 4mm Mild Steel.

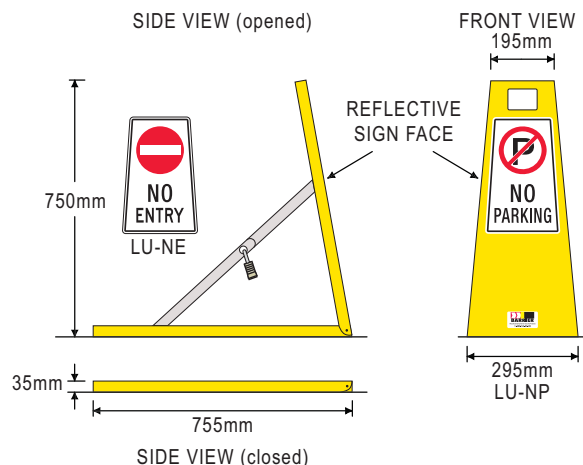
Finish: Zinc plated & Powder coated.

Height: Down – 35mm.
Up – 750mm.

Weight: Operating – 6kgs (approx.)
Shipping – 15.4kgs.

Fixings: Masonry anchors (supplied).

Locking: 40mm brass padlock (supplied).



PART No.	DESCRIPTION
LU-NP	Lok-Up parking space protector – NO PARKING sign
LU-NE	Lok-Up parking space protector – NO ENTRY sign

Mounting kits sold separately
77



THE ZEPHYR

“A soft and gentle breeze”

In a busy city ‘Zephyr’ is a stunning short or long term bicycle storage solution. Incorporate it into a cutting edge architectural design and it becomes a sculptured bollard, a classic design element. In the town square or park it’s a gathering point, a place to stop, to chat, to bide a while with friends. Or then again, is it simply a beautiful piece of public sculpture, one that invites you to run your hands over its sumptuous metallic form, its smooth and generous curves?

Features:

- Stunning one-piece 18kg aluminium casting.
- Complies with AS2890.3-1993 for class 3 bicycle security.
- Multi-functional design.
- Available in polished or powder coated finishes.
- Options for fixed or removable installations.
- Designed and manufactured in Australia.
- Full factory installation service available.
- 100% recyclable at end of life.

Material: Cast AA6061 grade aluminium from Tasmania.

Size: 845mm high x 224mm wide x 394mm deep.

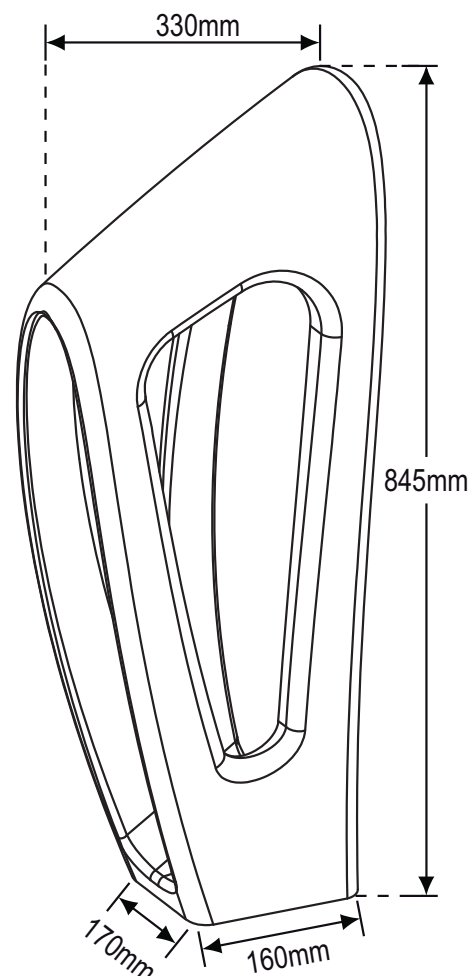
Weight: 18kgs body only (not including mounting).

Finishes: – High polish alloy finish.
– Stainless steel look thermoplastic powder coat.
– Custom colour powder coat.

Fixing: Choice of 4 mounting systems (sold separately).

PART No.	DESCRIPTION
BZ-POL	Zephyr body – Polished alloy finish
BZ-TPP	Zephyr body – Stainless look thermoplastic powder coat
BZ-CUS	Zephyr body – Custom powder coat

100% Australian designed and manufactured from Australian aluminium!





REMOVABLE ZEPHYR

Zephyr stem with fixings, locking tool and in-ground sleeve. The Zephyr stem locks into the in-ground sleeve but can be removed for occasional vehicle access or servicing operations. Kits are available for either core drilled or new concrete installations. Both stem and sleeve are hot dipped galvanised.

Zephyr body sold separately

PART No.	DESCRIPTION
BZR-CD	Stem kit for removable Zephyr with core drilled sleeve
BZR-NC	Stem kit for removable Zephyr with new concrete sleeve



SURFACE MOUNT ZEPHYR

The Surface Mount Zephyr is designed for mounting where the surface cannot be penetrated such as timber decking or sensitive tiled areas. The base plate is a 298mm diameter x 8mm thick polished 304 stainless steel disc predrilled with 11mm mounting holes and fixings to attach it to the Zephyr body. (**Note:** ground fixings are not included).

Zephyr body sold separately

PART No.	DESCRIPTION
BZF-SM	Base plate kit for fixed Zephyr with surface mounting

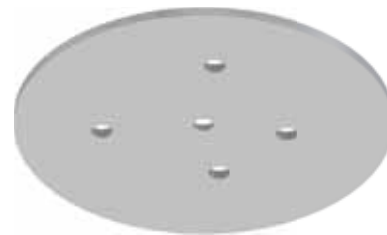


STUD ANCHORED ZEPHYR

Zephyr stud anchoring system is designed for use where the Zephyr is to be permanently installed in stone, tiled or concrete surfaces. The installation kit (KIT 20) comes with four M12 x 120mm stainless steel threaded studs and a polypropylene drilling template which doubles as a surface gasket. The studs are simply epoxied into the drilled holes. (See also optional Dress Circle).

Zephyr body sold separately

PART No.	DESCRIPTION
KIT20	Anchoring kit



DRESS CIRCLE

The optional Dress Circle is available for use where Stud Anchored Zephyr and Surface Mount Zephyr are mixed together in the same installation and you wish to maintain a consistent look. The Dress Circle is a polished 298mm diameter x 8mm thick polished 304 stainless steel disc. It simply fits over the anchor studs prior to epoxying into the ground.

Zephyr body sold separately

PART No.	DESCRIPTION
BZ300DC-SS	Dress circle (optional)



BIKE RAILS / HAND RAILS

Features:

- Suitable for a wide range of uses.
- Heavy 3mm thick wall tube.
- Hot dipped galvanised finish or powder coated.
- Powder coating or reflective options available.
- Surface mount and below ground models.
- Two styles to choose from.
- Surface mount supplied with fixings.
- No assembly – ready for installation.

Material: Steel pipe 48mm diameter with 3mm wall.

Finish: Safety Yellow powder coat and galvanised or galvanised only.

Height: Above ground 800mm.
Below ground 300mm.

Width: BR1 models 850mm.
BR2 models 400mm.

Weight: BR1 models 9.2kgs (approx.)
BR2 models 8.5kgs (approx.)

Installation: 6mm thick surface flange 150mm in diameter with 8 of 10 x 50mm masonry anchors for surface mount model. Below ground model has welded concrete starter bars.

Fixings: Supplied with surface mount models.

PART No.	DESCRIPTION
BR1G-SM	Bike rail 850 x 800mm surface mount – Galvanised
BR1P-SM	Bike rail 850 x 800mm surface mount – Powder coated
BR1G-BG	Bike rail 850 x 800mm below ground – Galvanised
BR1P-BG	Bike rail 850 x 800mm below ground – Powder coated
BR2G-SM	Bike rail 400 x 800mm surface mount – Galvanised
BR2P-SM	Bike rail 400 x 800mm surface mount – Powder coated
BR2G-BG	Bike rail 400 x 800mm below ground – Galvanised
BR2P-BG	Bike rail 400 x 800mm below ground – Powder coated



SKATEBOARD STOPS

Features:

- A choice of sizes and styles.
- Machined from solid 316 marine grade stainless steel.
- Simple to install using readily available tools.
- Stronger than cast models which can be brittle.

Material: Solid marine grade 316 stainless steel.

Finish: High quality satin polish.

Styles: Round ball, Dome and Flat top.

Installation: Epoxy adhesive into drilled hole.



PART No.	SKATEBOARD STOPS
SK30F-SS	Skateboard stud 30mm dia. Flat top
SK30FC-SS	Skateboard stud 30mm dia. Flat top with 50mm dia. collar
SK30D-SS	Skateboard stud 30mm dia. Dome top
SK30DC-SS	Skateboard stud 30mm dia. Dome top with 50mm dia. collar
SK20F-SS	Skateboard stud 20mm dia. Flat top
SK20D-SS	Skateboard stud 20mm dia. Dome top
SK23R-SS	Skateboard stud 23mm dia. Round ball



VEHICLE INSPECTION MIRRORS

Features:

- Lightweight and durable construction.
- Folds down into own carry bag.
- 300mm diameter polycarbonate lens.
- Built-in torch for lighting darkened areas.
- Castors for under vehicle viewing.
- Extends to 93cm.

PART No.	DESCRIPTION
MC300IN	Inspection mirror – 300mm



MARKING DOTS

Features:

- Highly durable injection moulded plastic.
- Simple to install using galvanised nail supplied.
- Suitable for asphalt or concrete surfaces.
- Economical – no more fading line markings.
- Available in White or Safety Yellow.

PART No.	DESCRIPTION
MD100S-W	Marking dots with spikes – White (sold separately)
MD100S-Y	Marking dots with spikes – Yellow (sold separately)



ILLUMINATED BATONS

Features:

- Selectable for flash or constant light.
- Requires two 'D' size batteries (not included).
- Lightweight and comfortable to use.
- Long life, in excess of 300 hours per battery set.

PART No.	DESCRIPTION
IBLR	Illuminated baton 540mm – Red



FLASHING BATONS Set of 3

Features:

- Complete emergency multi-function baton kit.
- Includes tripod stands for roadside use.
- Internal lithium ion rechargeable batteries.
- Five selectable flash patterns.
- Includes a wall, car and USB charger.
- Hard plastic case 350 x 350 x 60mm, total weight 2.4kgs.

PART No.	DESCRIPTION
LEDB3	Flashing baton with case and charger (3 per pack)



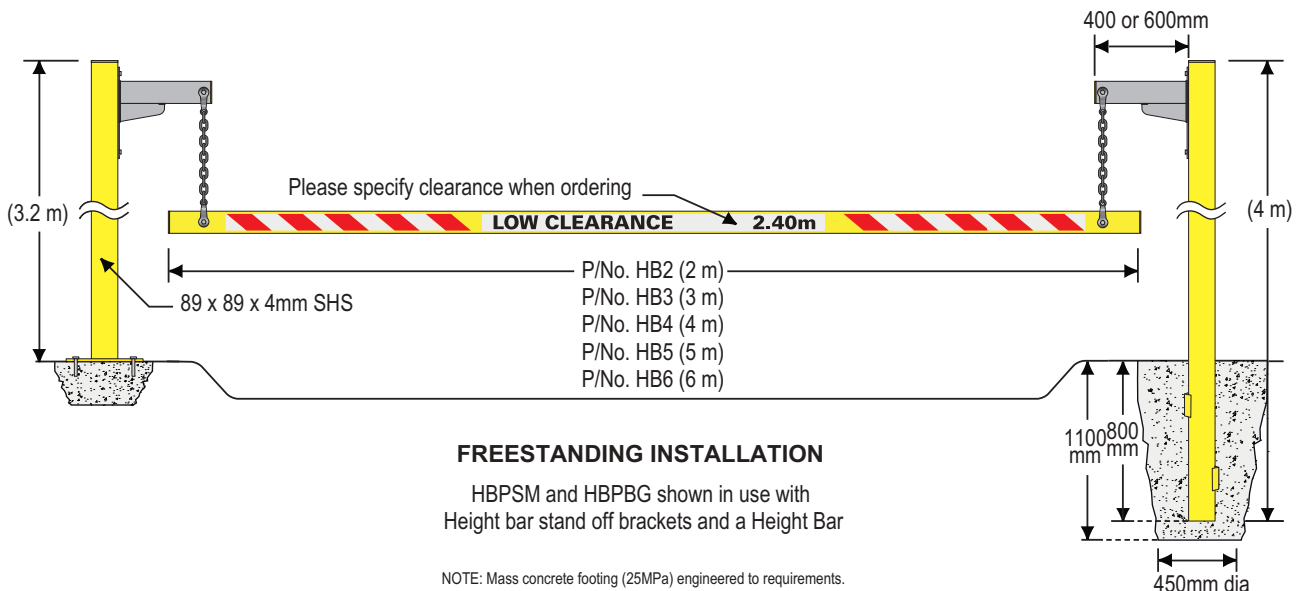
HEIGHT BARS

Features:

- Eliminates damage to vehicles and property caused by oversized vehicles entering areas of restricted height.
- Available in five convenient lengths.
- Comes complete with hanger assemblies and chain.
- Powder coated high visibility Safety Yellow.
- Displays “LOW CLEARANCE” text and the required clearance (please specify).
- Manufactured from durable galvanised steel tube.
- Optional Offset hangers available in two lengths.
- Freestanding surface mount or below ground posts are available for installation where there is no existing supporting structure.
- Use height bars at locations where vehicles first enter an undercover area or encounter an overhead obstruction, where the clearance in either case is: (i) 3 metres or less if only cars or light vans are likely to use the facility or (ii) 4.6 metres or less in all other areas.

Material:	100 x 50mm galvanised tube with 6mm galvanised chain.
Length:	2, 3, 4, 5 or 6 metres.
Chain:	6mm galvanised chain 600mm long (2 off).
Finish:	Height Bar – Safety Yellow powder coated over galvanised steel.
Installation:	Masonry anchors to building.
Shipping Weight:	2 metre – 11kgs (approx.) 3 metre – 15kgs (approx.) 4 metre – 19kgs (approx.) 5 metre – 23kgs (approx.) 6 metre – 28kgs (approx.)

PART No.	DESCRIPTION
HB2	Height bar with text and hangers – 2 metres long
HB3	Height bar with text and hangers – 3 metres long
HB4	Height bar with text and hangers – 4 metres long
HB5	Height bar with text and hangers – 5 metres long
HB6	Height bar with text and hangers – 6 metres long
HBH	Additional Hangers with chain assembly
HBS40	Height bar standoff bracket (each) – 400mm
HBS60	Height bar standoff bracket (each) – 600mm
HBPSM	Surface mount post 89 x 89 x 4mm – 3.2 metres high
HBPBG	In-ground post 89 x 89 x 4mm – 4 metres high <i>(Specify length of post required if custom)</i>



SCORPION WHEEL CLAMP

The Scorpion Wheel Clamp is a unique heavy duty wheel clamp capable of fitting a wide range of wheels from large 4WD to small sedans. It is perfect for protecting vehicles, trailers, caravans etc. from theft. Steel jaws are clamped around the wheel using high tensile steel chain and our unique tensioning system.

The Scorpion can be fitted to any wheel on the vehicle, fits steel or mag wheels and does not require the removal of wheel trims.

Unlike most wheel clamps which attach awkwardly around both sides of the wheel, the Scorpion is fitted from the outside only. This makes it quick to fit and easy on the back. It weighs 12.5kgs making it easy to carry.

All parts pack neatly inside the wheel clamp for easy storage or transport. Already in use by many of **Australia's enforcement authorities** and regularly featured in the media after police crack downs on fine evaders and dangerous drivers, the Scorpion is the perfect way to immobilise the widest range of vehicles.

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Features:

- Fitted from side of wheel.
- No need to remove wheel trims.
- Fits a wide range of wheels.
- Can be fitted to any wheel, front or rear.
- Robust construction to resist vandalism.
- Zinc plated to avoid corrosion.
- Reflective sign face for night visibility.
- All parts stored inside the unit when not in use.
- Very compact for storage and transport.

Material: Steel case and jaws.

Finish: Zinc plated with reflective sign face.

Height: Up – 750mm.
Down – 50mm.

Weight: Operating – 4kgs.
Shipping – 12.5kgs.

Locking: Padlock (order separately).



Phone us or visit our website for more information!

PART No.	DESCRIPTION
SCOR1	Scorpion wheel clamp



T-TOP BOLLARDS

Features:

- Two-piece construction for ease of handling.
- Hi-Vis Orange with reflective bands for low light visibility.
- 6kgs base for stability.
- Tough moulded polyethylene construction.
- Complies to relevant standards.

PART No.	DESCRIPTION
BTC1150	T-Top bollard and base – 1150mm
BTC1150B	Replacement rubber base only
BTC1150T	Replacement T-Top bollard only



REFLECTIVE CONES

Features:

- Hi-Vis Orange with standard reflective collars.
- Available in three standard sizes.
- Suitable for indoor or outdoor uses.
- U.V. stabilised to minimise fading.

PART No.	DESCRIPTION
BTC450R	Reflective traffic cone 450mm – Hi-Vis Orange
BTC700R	Reflective traffic cone 700mm – Hi-Vis Orange
BTC1000R	Reflective traffic cone 1000mm – Hi-Vis Orange
RCB2	Retractable cone bar – 1.2 to 2 metres



T-TOP EYE NUT

Features:

- Hi-Vis Orange plastic eye nut designed as an accessory for the T-Top bollards.
- Eye nut is supplied with two snap clips.
- Used to create a safety barrier between bollards.
- Allows plastic or steel chains to connect T-Top bollards.
- Great for cordoning off unsafe or pedestrian free areas.

PART No.	DESCRIPTION
BTCEN	T-Top eye nut plus 2 clips (pack of 10)



CONE RING

Features:

- Easily connects chains, bunting flags or barricade tape to cones.
- Strong ABS plastic material.
- 75mm inner diameter.
- Indoor and outdoor use.
- Fits to any size traffic cone.
- Hi-Vis Orange colour as standard.

PART No.	DESCRIPTION
C-RING	Cone ring 23 x 19 x 10mm (pack of 10)



RETRACTABLE CONE BAR

Features:

- Durable and lightweight.
- Extends from 1.2 to 2 metres.
- Yellow and Black bands.
- Fits all standard cones.
- Extendable cone bar.

PART No.	DESCRIPTION
RCB2	Retractable cone bar – 1.2 to 2 metres



VERTICAL PLASTIC PANEL

Features:

- Broad face & reflective panels for high visibility.
- Stackable when in storage.
- Made from durable Hi-Vis Orange polyethylene.
- Stable in windy conditions (10.5kgs total weight).
- Accepts our T-Top Eye Nut (page 82) for connecting chains.

PART No.	DESCRIPTION
VP115	Vertical plastic panel 1100 x 300 x 120mm (panel size)
BTCEN	Optional T-Top eye nuts (packs of 10) for connecting chains



COLLAPSIBLE CONES Plastic Base

Features:

- Compact design for storage.
- In-built light can be set to flash or constant.
- Easy to use and store in the boot of a car.
- Available in two standard sizes.
- Powered by standard AAA batteries.

PART No.	DESCRIPTION
BTC450C	Collapsible cone (plastic base) – 450mm high
BTC720C	Collapsible cone (plastic base) – 720mm high



COLLAPSIBLE CONES Rubber Base

Features:

- Collapses from 720mm tall to 60mm.
- Very stable in high winds.
- In-built light can be set to flash or constant.
- Powered by standard AAA batteries.
- Very durable design.

PART No.	DESCRIPTION
BTC720C-RB	Collapsible cone (rubber base) – 720mm high



FLEXIBLE BOLLARDS

One Piece Flexi

Features:

- Durable one piece moulding.
- Virtually indestructible (will not break or split).
- Rebounds after impact.
- Built in reflective bands.
- Available in two handy sizes.

PART No.	DESCRIPTION
FBP450	Plastic one piece flexible bollard – 80 x 450mm
FBP800	Plastic one piece flexible bollard – 80 x 750mm



FLEXIBLE BOLLARDS

Two Piece Knockdown

Features:

- Soft, lightweight bollard takes the knocks without causing damage to vehicles.
- Strong elastic joint ensures bollard returns to upright position.
- Bollard can be removed from base.

PART No.	DESCRIPTION
KDB1000	Plastic two piece knockdown flexible bollard - 100 x 1000mm
KDB1000B	Replacement base only
KDB1000T	Replacement bollard top only



FLEXIBLE BOLLARDS

Two Piece With Chain Loop

Features:

- 800mm high with hi-vis reflective band.
- Two piece design with spring return.
- Moulded in chain loop.

PART No.	DESCRIPTION
FB800R	Plastic two piece knockdown flexible bollard with chain loop
PC6R-R	Plastic safety chain – 6mm Red per 25 metre roll
PC6Y-R	Plastic safety chain – 6mm Yellow per 25 metre roll
PC6RW-R	Plastic safety chain – 6mm Red/White per 25 metre roll
PC6W-R	Plastic safety chain – 6mm White per 25 metre roll



TYRE STEP

Features:

- Step dimensions 520 x 400 x 90mm (folded). Total weight 4.5kgs. Powder coated finish.
- Light weight and portable design easily carried in a caravan, van or car.
- Fabricated from very strong mild steel tube.
- Adjustable to a wide range of tyre sizes right up to small trucks, folds flat when stored.
- Simple, strong and quick way to gain access to roof top storage on utes, vans and campers etc.

PART No.	DESCRIPTION
FTS1	Folding tyre step



KERB RAMP Black Only

Features:

- Dimensions 110mm high x 430mm deep x 480mm wide, total weight 14.6kgs.
- Portable, heavy duty moulded recycled rubber ramp suitable for trucks, cars or hand trolleys.
- Each unit has two recessed mounting holes for securing the ramp in place.
- Simply trim cover panels from each end to reveal channel.

PART No.	DESCRIPTION
KR1030	Rubber kerb ramp 480 x 430 x 110mm (sold individually)



KERB RAMP Black & Hi-Vis Yellow

Features:

- Black recycled rubber kerb ramp and end caps finished with Yellow panels.
- Three sizes available, components sold separately.

PART No.	DESCRIPTION
KRR100	Hi-vis kerb ramp body 610 x 320 x 100mm (10kg)
KRRE100	Hi-vis end cap 310 x 310 x 100mm (3.5kg)
KRR150	Hi-vis kerb ramp body 610 x 400 x 150mm (16.5kg)
KRRE150	Hi-vis end cap 370 x 370 x 150mm (7kg)
KRR200	Hi-vis kerb ramp body 610 x 500 x 200mm (28kg)
KRRE200	Hi-vis end cap 490 x 490 x 200mm (12.5kg)



TROLLEY RAMP

Features:

- Dimensions 680mm overall width, 600mm internal width (between rails) x 700mm long, total weight 4.2kgs.
- Light weight and portable to easily carry in a van/car.
- Moulded-in carry handles at both ends.
- Injection moulded from strong and durable plastic.
- Avoid lifting heavily laden trolleys over kerbs/steps.
- Wide enough to accommodate most wheel chairs (check width required for wheelchair access).

PART No.	DESCRIPTION
PTR1	Portable trolley ramp



SMART PARKING MAT

Features:

- You will no longer have to worry about crashing into bikes, water heaters, lawnmowers or the back wall of the garage.
- Cradles your vehicles front tyre to make sure you park perfectly, every time.
- Anti-skid, oil and gas resistant Safety Yellow polyethylene mat.
- Only one per vehicle required.

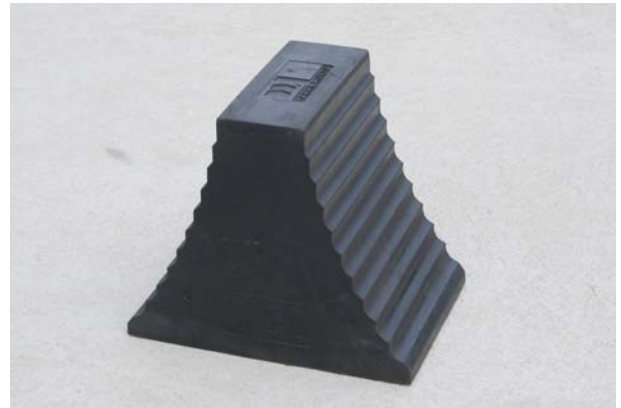
PART No.	DESCRIPTION
SPM	Smart parking mat 640 x 300 x 40mm (1.4kg)



WHEEL CHOCKS WC1

Features: 255mm long x 210mm high x 180mm wide. Rope connection points moulded into the chock. Single side design. Used for stopping vehicles, trucks, trailers and caravans from moving whilst not in use. Recycled high quality moulded rubber. Ideal for transport companies, mine sites and caravan owners.

PART No.	DESCRIPTION
WC1	Wheel chock 255 x 210 x 180mm (5.3kgs)



WHEEL CHOCKS WC2

Features: 200mm long x 145mm high x 250mm wide. Rope connection points moulded into the chock. Double sided design. Used for stopping vehicles, trucks, trailers and caravans from moving whilst not in use. Recycled high quality moulded rubber. Ideal for transport companies, mine sites and caravan owners.

PART No.	DESCRIPTION
WC2	Wheel chock 200 x 145 x 250mm (6.5kgs)



WHEEL CHOCKS WC3

Features: Super heavy duty truck chock, 305mm long x 260mm high x 300mm wide. Used for stopping vehicles, trucks, trailers and caravans from moving whilst not in use. Recycled high quality moulded rubber. Ideal for transport companies, mine sites and caravan owners.

PART No.	DESCRIPTION
WC3	Wheel chock 305 x 260 x 300mm (11.7kgs)



WHEEL CHOCKS WC4P

Features: 210mm long x 110mm high x 120mm wide. A lighter duty wheel chock manufactured from injection moulded plastic in a Safety Yellow colour. Lightweight (0.4kgs) but very strong this is an ideal wheel chock for securing trailers, cars or caravans etc. U.V. stabilised and chemical resistant.

PART No.	DESCRIPTION
WC4P	Injection moulded wheel chock 210 x 110 x 120mm (0.4kg)



URETHANE WHEEL CHOCKS WC5P

Features: 430mm long x 370mm high x 360mm wide. Manufactured from durable U.V. stabilised and chemical resistant urethane this wheel chock is both tough and lightweight (6.5kgs). Available in 3 standard sizes to suit a wide range of applications all the way up to large mining vehicles. Includes moulded-in handle and hole to connect a draw cord if required.

PART No.	DESCRIPTION
WC5P	Urethane wheel chock 430 x 370 x 360mm (6.8kgs) – Large



URETHANE WHEEL CHOCKS WC6P

Features: 290mm long x 210mm high x 200mm wide. Manufactured from durable U.V. stabilised and chemical resistant urethane this wheel chock is both tough and lightweight (1.6kgs). Available in 3 standard sizes to suit a wide range of applications all the way up to large mining vehicles. Includes moulded-in handle and hole to connect a draw cord if required.

PART No.	DESCRIPTION
WC6P	Urethane wheel chock 290 x 210 x 200mm (1.6kgs) – Medium



URETHANE WHEEL CHOCKS WC7P

Features: 200mm long x 150mm high x 170mm wide. Manufactured from durable U.V. stabilised and chemical resistant urethane this wheel chock is both tough and lightweight (0.9kgs). Available in 3 standard sizes to suit a wide range of applications all the way up to large mining vehicles. Includes moulded-in handle and hole to connect a draw cord if required.

PART No.	DESCRIPTION
WC7P	Urethane wheel chock 200 x 150 x 170mm (0.9kg) – Small



WHEEL CHOCKS WC8P

Features: 480mm long x 230mm high x 200mm wide. Injection moulded from durable U.V. stabilised and chemical resistant plastic this wheel chock is both tough and lightweight (1.75kgs chock only). Includes moulded-in handle. The optional steel truck mount with spring retainer clip can be simply fixed to truck or trailer bodies to ensure the chock is always on hand when required (1.4kgs holder only).

PART No.	DESCRIPTION
WC8P	Moulded plastic wheel chock 480 x 230 x 200mm (1.75kgs) – Large
WC8P-H	Truck mount for WC8P