

## SLO-MOTION STANDARD DUTY STEEL SPEED HUMP

Slo-motion is a modular steel speed control system consisting of truly independent super strong steel modules. The ends of each speed hump are finished off with a pair of end caps.

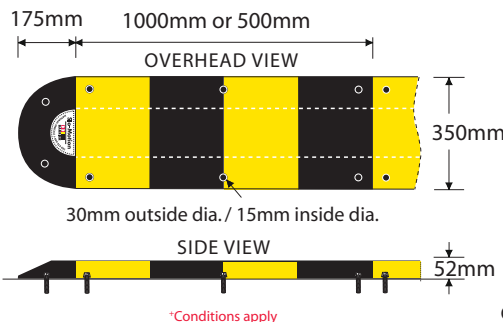
These end caps are moulded from an extremely durable rubber, or alternatively, steel end caps are also available if preferred. Suitable for car parks, shopping centres or factory complexes.

### Value features:

- » Designed to comply with AS 2890.1:2004.
- » **5 Year Structural guarantee\***.
- » More than 4 times the load bearing contact area with the road surface than competitor's products.
- » Can be used 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 require a rubber underlay to prevent rattle.**
- » Concealed fixings remain accessible.
- » Modules have a built in bridge design to accommodate hoses or cables.

### Specifications:

<b>Top Skin:</b>	3mm floor plate.
<b>Length:</b>	1 metre or 1/2 metre.
<b>Width:</b>	350mm.
<b>Height:</b>	52mm.
<b>Weight:</b>	16.5kgs (9.2kgs for 1/2 metre). SMEC – 5.2kgs/pair (rubber). SMSEC – 5kgs/pair (steel).
<b>No. of fixings:</b>	4 (supplied).



**\* 5 YEAR  
GUARANTEE AGAINST  
STRUCTURAL FAILURE**

SECTION  
Ramp Angle 1:2

Cable or hose access 80x28mm

\*Conditions apply

PART No.	DESCRIPTION
SM1000	1 metre Standard duty
SM500	1/2 metre Standard duty
SMEC	1 pair of end caps (rubber)
SMSEC	1 pair of end caps (steel)
SPIKES	Steel gravel spikes for fixing into loose surfaces 300mm long x 12mm dia.



## THE TRUTH ABOUT STEEL SPEED HUMPS & NOISE

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

**A: There are two reasons why metal speed humps may develop rattles.**

- (1) They have been incorrectly installed or installed using fixings that are not suited to the road surface. We use only high end imported compression plug anchors and coach bolts with all our humps. We have found that these compression style plugs allow for a degree of shock take up. Solid fixings such as sleeve anchors have the ability to become loose when the hump settles over time or under load.
- (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. If not corrected quickly, loose humps will eventually chop up the road surface before destroying themselves. 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 plus multiple fixing points eliminates the need for a rubber underlay and reduces the risk of humps working loose, thereby eliminating noise.

## SLO-MOTION HEAVY DUTY STEEL SPEED HUMP

Slo-motion Heavy Duty is the modular steel speed control system for seriously heavy vehicle applications (including 'B'-Doubles).

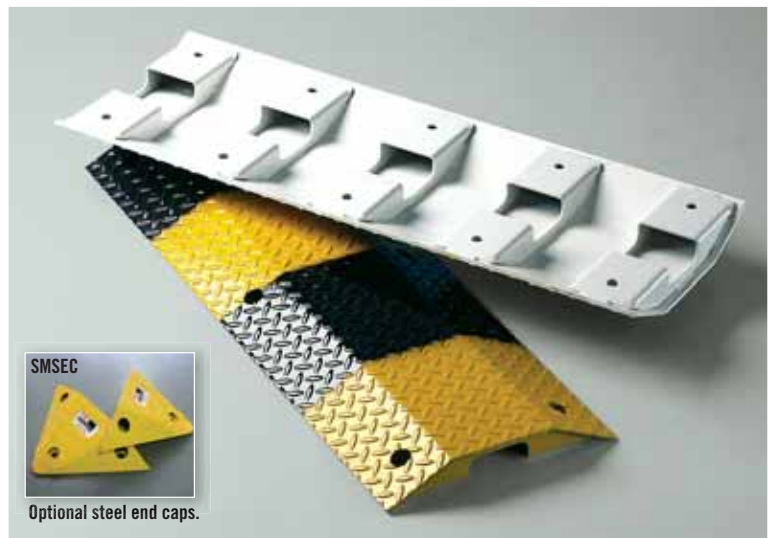
Perfectly suited to transport depots, factories and terminals etc. Our super strong chassis construction with 6mm floor plate and 6 bolt fixing make our Slo-Motion Heavy Duty virtually indestructible.

### Value Features:

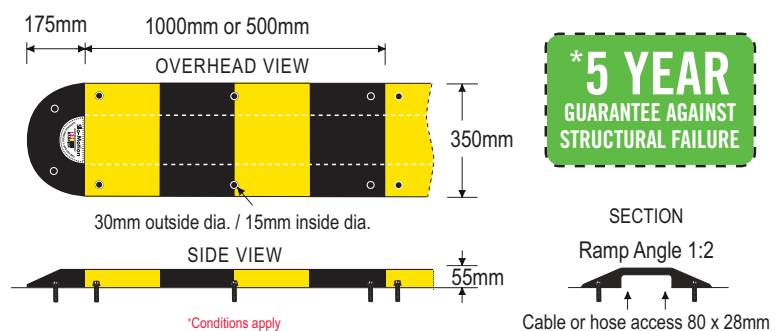
- » Designed to comply with AS 2890.1:2004.
- » **5 Year Structural guarantee\***.
- » More than 4 times the load bearing contact area with the road surface than competitor's products.
- » Use with or without end caps.
- » A choice of either steel or rubber end caps.
- » Comes complete with all fixings.
- » Truly independent modules for easy removal.
- » **Does not require a rubber underlay to prevent rattle.**
- » Concealed fixings remain accessible.
- » Modules have a built in bridge design to accommodate hoses or cables.

### Specifications:

<b>Top Skin:</b>	6mm floor plate.
<b>Length:</b>	1 metre or 1/2 metre.
<b>Width:</b>	350mm.
<b>Height:</b>	55mm.
<b>Weight:</b>	24.5kgs (13kgs for 1/2 metre). SMEC – 5.2kgs/pair. SMSEC – 5kgs/pair.
<b>No. of fixings:</b>	6 (supplied).



PART No.	DESCRIPTION
SM1000HD	1 metre Heavy duty
SM500HD	1/2 metre Heavy duty
SMEC	1 pair of end caps (rubber)
SMSEC	1 pair of end caps (steel)
SPIKES	Steel gravel spikes for fixing into loose surfaces 300mm long x 12mm dia.



**\*5 YEAR**  
GUARANTEE AGAINST  
STRUCTURAL FAILURE



### 5 YEAR STRUCTURAL GUARANTEE

Both our Slo-motion Compliance and Slo-motion steel speed humps are covered by a 5 Year replacement guarantee.

This guarantee is limited to structural failure i.e. we warrant these speed humps against collapse or manufacturing defects for a period of 5 years from the date of Barrier's original invoice.

Barrier will at its discretion supply replacement modules to replace those deemed faulty or failed. This guarantee does not cover installation (either original or replacement), vandalism, incorrect installation or usage beyond the recommended parameters.

In the case of Slo-motion Compliance with solid colour, Barrier will also warrant against substantial fading or U.V. degradation for a period of 5 years.

This guarantee is between Barrier Group Pty. Ltd. and the original purchaser and does not extend to 3rd parties.

## SPEED HUMPS

### Installation Procedure (all models):

1. Using a chalk line, set out and position speed humps in their desired location. With a 10mm drill bit and impact drill, pilot drill the mounting holes for each module. (PHOTOS 1 & 2).
2. Move the modules to one side and drill piloted holes with a 14mm drill bit 100mm deep. Clean dust from holes, insert the plastic Hilti plugs supplied and hammer flush with road surface. A little grease or oil on the screw threads will make them easier to tighten. (PHOTOS 3 & 4).
3. Reposition the speed hump modules over holes and insert fixings making sure to use the washers supplied. (PHOTO 5).
4. Using an appropriate size socket wrench or impact driver tighten fixings. (PHOTO 6).
5. Clean the site to complete your installation. (PHOTO 7).
6. Go over completed installation and tighten all connections.

### Notes:

- To achieve long, straight lines use a string or chalk line.
- On completion, check all fixings are tight.
- Always use personal protective equipment when using power tools.
- Always position humps at least 100mm clear of expansion gaps in the road surface. (PHOTO 7).



1.



2.



3.



4.



5.



6.



7.



8. Standard fixings supplied



### WHAT YOU WILL NEED

- Tape measure and string line.
- Impact drill and masonry bits.
- Socket wrench or impact driver.
- Can of lubricant.
- Hammer or mallet.
- Personal protective equipment.

# LEGEND



## AUSTRALIAN CONTENT

This product has been designed, developed and is either completely or substantially manufactured in Australia. (The minimum Australian content is between 50 and 100%).



## NEW AND UNIQUE

This is a new and unique product. It has either been designed, developed and manufactured by the Barrier Group Pty. Ltd. or it is being seen here for the first time.



## 100% RECYCLABLE

This product is manufactured from virgin grade raw materials and is 100% recyclable using existing, readily available recycling technology and services.



## RECYCLED MATERIALS

This product has been manufactured from either a combination of recycled materials and virgin grade materials or entirely from recycled materials.



## HOT DIP GALVANISED

This product has been hot dip galvanised prior to any surface coatings being applied. Hot dip galvanised offers vastly improved corrosion protection and extended life in harsh environments.



## FIXINGS INCLUDED

This product comes complete with all the necessary fixings to complete the standard installation. When comparing competitors prices against our own, always ensure they have included the fixings with the product (excludes gravel spikes).



## 5 YEAR WARRANTY

This product carries a 5 year limited warranty against structural failure due to faulty materials or workmanship in our manufactured products, OR structural failure and major fading due to U.V. degradation in our injection moulded products.

(For full conditions visit [www.barriergroup.com.au](http://www.barriergroup.com.au)).

## WARNING

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IT'S AGAINST THE LAW – AVOID THE PAIN!