



SETON SPEED BUMP



Installation Guide

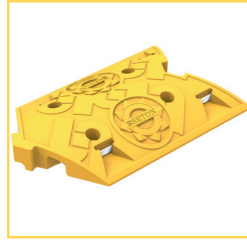


Rail Fix Installation

Components



#1
End Cap Pairs 1 x Yellow, 1 x Black



#2
Yellow Inner Sections



#3
Black Inner Sections



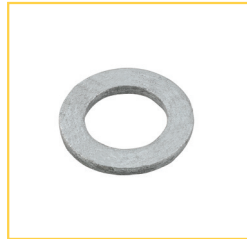
#4
Hex Head Fixing Bolts
Tarmac or Concrete



#5
Cap Head Fixing Bolts



#6
Twist Nuts



#7
24mm Washers



#8
M12 30mm Bolts



#9 = 1275mm Rails
#10 = 1515mm Rails
#11 = 1775mm Rails
#12 = 2275mm Rails

What you should have

		Components											
		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Kit Length	1.5m	1	1	1	12	12	12	12	12	2	0	0	0
	2m	1	1	2	16	16	16	16	16	0	0	2	0
	2.5m	1	2	2	20	20	20	20	20	0	0	0	2
	3m	1	2	3	24	24	24	24	24	2	2	0	0
	3.5m	1	3	3	28	28	28	28	28	0	2	2	0
	4m	1	3	4	32	32	32	32	32	0	2	0	2
	4.5m	1	4	4	36	36	36	36	36	2	4	0	0
	5m	1	4	5	40	40	40	40	40	0	4	2	0
	5.5m	1	5	5	44	44	44	44	44	0	4	0	2
	6m	1	5	6	48	48	48	48	48	2	6	0	0
	6.5m	1	6	6	52	52	52	52	52	0	6	2	0
	7m	1	6	7	56	56	56	56	56	0	6	0	2
	7.5m	1	7	7	60	60	60	60	60	2	8	0	0
	8m	1	7	8	64	64	64	64	64	0	8	2	0
	8.5m	1	8	8	68	68	68	68	68	0	8	0	2
	9m	1	8	9	72	72	72	72	72	2	10	0	0
	9.5m	1	9	9	76	76	76	76	76	0	10	2	0
	10m	1	9	10	80	80	80	80	80	0	10	0	2

Tools required



A Hammer Drill



B Lump Hammer



C Ratchet with 19mm Socket



D 10mm Allen Key or Socket Bit



E Flat Head Screwdriver

Top tips for best installation and use

1. Ensure ground surface is free from debris
2. Ensure ground surface is flat, repair any holes prior to installation
3. For best results we advise that installations are made to a concrete surface
4. Remember when fitting your bumps to leave room for water drainage and to allow cycles to pass either side
5. Also consider leaving gaps for emergency vehicles to drive over humps without impairment
6. We recommend the use of Speed Awareness Signs to help control speed on your site
7. Recommended maximum speed, 75mm High = 5mph, 55mm High = 10mph

SPEED BUMP IS NOT DESIGNED FOR HIGHWAY USE - FOR USE ON PRIVATE LAND ONLY

PPE required



Rail Fix Installation

Step by Step Guide

- 1** Check you have all components, refer to table left.

If you are missing any items please contact us on 0800 585501.



- 2** Remove spacers from endcaps (#1) and inner sections (#2&3) using a screwdriver (E) to prise out.

Spacers can be disposed of as they are not required for the rail installation.



- 3** Lay out rails (#9 to #12) in 2 lines parallel to each other with an approx space of 115mm between. For speed bump lengths of 1.5m to 2.5m - Using the same starting point lay the 2 x rails out.

For speed bump lengths of 3m to 10m
Using the same starting point, use the longest rail first for each line and then place the other rails next to each other. Ensure rail ends are butted together.



- 4** Once rails are in position, place end caps (#1) and inner sections (#2&3) over the rails starting with the end caps followed by the inner sections (#2&3).

Make sure you alternate the colours for maximum visibility. The outer channels on the underneath of the end caps and inner sections allow the speed bump to be placed over the rails.



- 5** Looking through the end cap (#1) bolt holes check that rails are visible. If you cannot see the rails through both end caps, adjust the speed bump's positioning along the rails.



- 6** Now carefully remove the yellow end cap (#1).

Place in the approximate position next to the rail.



- 7** Using the slots in the rail, spot mark where Cap Head Fixing Bolt (#5) will be positioned to attach rails to floor.

Spot marks should not be directly below the bolt holes of the yellow end section (#1). Twist Nuts (#6) or a Screwdriver can be used as a guide.



- 8** Replicate step 7 by working down the rail to spot mark all inner sections (#3&4) and the black end cap (#1). Spot marks should be spaced so 4 bolts per metre are used. To assist with the correct spacing of the spot marks, connect the speed bump sections together to match how they would be positioned on the rail. Be careful not to move the rail positioning.



- 9** Remove all rails. Using a hammer drill (A), drill holes to accommodate fixing bolts. For Tarmac fixing 24mm dia (95mm deep). For Concrete fixing 20mm dia (95mm deep).



- 10** Remove washer and fixing sleeve from Hexagonal Head fixing bolt (#4) as Hexagonal Head fixing bolts are not required for this installation. Cap Head fixing bolts (#5) will be used instead. Hexagonal Bolts can be disposed of as they are not required for the rail installation.



- 11** Using a lump hammer (B) insert fixing sleeves (from #4) into all holes ensuring the sleeve is flush with the ground.



- 12** Now lay rails back into position, the holes should be aligned with the slots in the rail. If any holes are not aligned, re-drill a hole using the next available slot on the rail.

Remember holes should not be directly below the bolt holes of the speed bump sections.



- 13** Starting at one end of the rail, slide washer (from #4) onto Cap Head fixing bolt (#5) and begin to fix all rails to the ground. Tighten Cap Head fixing bolt using a 10mm allen key or 10mm socket bit (D).



- 14** To ensure the rails have been attached into position correctly, place all end caps (#1) and inner sections (#2&3) over rails again making sure the rails can be seen through both end cap bolt holes.



- 15** Attach the smaller yellow end cap (#1) to the rail by removing it and placing the twist nut (#6) into the rail at the approximate position underneath the end cap bolt hole. Twist clockwise to lock into a vertical position. Do this on both rails. Place end cap back over the rail and you should be able to see the twist nut through the bolt hole. Twist nut can be moved into position using a screwdriver, ensure twist nut remains in the horizontal position.



- 16** Slide washer (#7) onto M12 30mm bolt (#8), place through bolt hole on the end cap (#1) and screw into the twist nut. Tighten using a 19mm socket (C).



- 17** Repeat steps 15 & 16 for all inner sections (#2&3).

- 18** Repeat steps 15 & 16 for final larger black end cap (#1).

- 19** Installation is now complete.



TO RUN CABLES & HOSES THROUGH SPEED BUMP

The central underside channel allows cables to run through the speed bump. Simply cut away the thinner PVC at the end of each end cap to create an entry and exit point. Lay cable after step 14.



INSTALLATION VIDEO
SETON.CO.UK/SETON-SPEED-BUMP

Non-Rail Fix Installation

Components



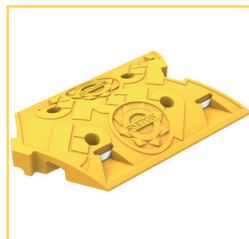
#1
End Cap Pairs 1 x Yellow, 1 x Black



#3
Black Inner Sections



#4
Hex Head Fixing Bolts



#2
Yellow Inner Sections

Tools required



A Hammer Drill **B** Lump Hammer



C Ratchet with 19mm Socket

Top tips for best installation and use

See page 2

PPE required



Step by Step Guide

- 1** Check you have all components refer to table above.

If you are missing any items please contact us on 0800 585501.



- 2** Ensure any loose spacers are placed back into the end caps (#1) and inner sections (#2&3).



- 3** Lay out end caps (#1) and inner sections (#2&3) into required position. Each section locks together via the chevron arrow head. Make sure you alternate the colours for maximum visibility.



- 4** Once in position, place drill bit through bolt holes in first end cap (#1) to create spot mark holes.



- 5** Remove end cap (#1) and using a hammer drill (A), drill holes to accommodate fixing bolt. For Tarmac fixing 24mm dia (85mm deep). For Concrete fixing 20mm dia (85mm deep).



- 6** Remove fixing sleeve from bolt (#4). Using a lump hammer (B), insert fixing sleeve into hole ensuring it is flush with the ground.



- 7** Place end cap (#1) over drilled holes and attach using washer and bolt (#4). Tighten bolts using a 19mm socket (C).



- 8** Repeat steps 4-7 for inner sections (#2&3) and remaining end cap (#1).

- 9** Installation is now complete.



TO RUN CABLES & HOSES THROUGH SPEED BUMP

The central underside channel allows cables to run through the speed bump. Simply cut away the thinner PVC at the end of each end cap to create an entry and exit point. Lay cable after step 6.



What you should have

		Components			
		#1	#2	#3	#4
Kit Length	1m	1	0	1	8
	1.5m	1	1	1	12
	2m	1	1	2	16
	2.5m	1	2	2	20
	3m	1	2	3	24
	3.5m	1	3	3	28
	4m	1	3	4	32
	4.5m	1	4	4	36
	5m	1	4	5	40
	5.5m	1	5	5	44
	6m	1	5	6	48
	6.5m	1	6	6	52
	7m	1	6	7	56
	7.5m	1	7	7	60
	8m	1	7	8	64
	8.5m	1	8	8	68
	9m	1	8	9	72
	9.5m	1	9	9	76
	10m	1	9	10	80



INSTALLATION VIDEO
SETON.CO.UK/SETON-SPEED-BUMP