PROZON

50 mm Heavy-Duty Speed Bump Kit (10 mph)

SKU: IH-PZ-SB-50MM

50 mm	10 mph	20 Tonnes	Modular
RAMP HEIGHT	SPEED TARGET	MAX AXLE LOAD	INTERLOCKING SYSTEM

1. PRODUCT OVERVIEW

The **Prozon 50 mm Speed Bump** is a high-visibility, modular traffic calming solution engineered to effectively reduce vehicle speeds to **10 mph (approx. 15 km/h)**. Ideal for private roads, car parks, industrial sites, and residential complexes.

Manufactured from a robust composite of recycled rubber and high-grade PVC, this system delivers exceptional flexibility and strength under heavy loads. The high-contrast black and yellow alternating design, combined with integrated night-time glass reflectors, ensures maximum visibility around the clock.

2. TECHNICAL SPECIFICATIONS

Product Code	IH-PZ-SB-50MM
Brand	Prozon
Height	50 mm
Target Speed	10 mph (15 km/h)
Load Capacity	Up to 20 tonnes per axle
Material	Recycled Rubber & PVC Composite
Surface Finish	Mass-dyed molded PE / Anti-slip texture
Color Scheme	High-visibility Black & Yellow
Reflectors	4 integrated glass reflectors per module
Fixings Supplied	Ø17 x 105 mm plastic anchors 12 x 160 mm lag bolts

3. KEY FEATURES & BENEFITS

- **High Load Rating:** Supports up to 20 tonnes per axle, suitable for cars, vans, and light commercial vehicles.
- **All-Weather Durability:** UV-resistant and temperature-stable mass-dyed material prevents fading, cracking, and wear.
- **Enhanced Visibility:** Alternating black/yellow contrast with 4 bright reflectors per segment for optimum day & night detection.
- **Interlocking Stability:** Connector pegs lock adjacent modules together to ensure precise alignment and dynamic load distribution.
- **Anti-Slip Surface:** Diamond-molded texture provides excellent tire grip in rain, ice, or snow conditions.
- **Modular Flexibility:** Scalable layout adaptable to any road or driveway width.

4. COMPLETE SYSTEM COMPONENTS & KIT BREAKDOWN

KIT LENGTH	YELLOW CENTRAL	BLACK CENTRAL	YELLOW END CAP	BLACK END CAP	FIXINGS SUPPLIED	TOTAL ELEMENTS
1.0 metre	1	0	0	2	6 bolts / anchors	3 elements
1.5 metres	1	1	1	1	8 bolts / anchors	4 elements
2.0 metres	1	2	2	0	10 bolts / anchors	5 elements
2.5 metres	2	2	1	1	12 bolts / anchors	6 elements
3.0 metres	2	3	0	2	14 bolts / anchors	7 elements
3.5 metres	3	3	1	1	16 bolts / anchors	8 elements
4.0 metres	3	4	2	0	18 bolts / anchors	9 elements
4.5 metres	4	4	1	1	20 bolts / anchors	10 elements
5.0 metres	5	4	0	2	22 bolts / anchors	11 elements
5.5 metres	5	5	1	1	24 bolts / anchors	12 elements
6.0 metres	5	6	2	0	26 bolts / anchors	13 elements
6.5 metres	6	6	1	1	28 bolts / anchors	14 elements
7.0 metres	6	7	0	2	30 bolts / anchors	15 elements
7.5 metres	7	7	1	1	32 bolts / anchors	16 elements
8.0 metres	7	8	2	0	34 bolts / anchors	17 elements
8.5 metres	8	8	1	1	36 bolts / anchors	18 elements
9.0 metres	8	9	0	2	38 bolts / anchors	19 elements

5. INSTALLATION GUIDE & OPERATIONAL NOTES

1. **Surface Preparation & Layout:** Lay out the central modules and end caps in alternating colors across a flat concrete or tarmac surface. Ensure interlocking pegs are securely engaged.

2. **Marking & Drilling:** Mark fixing points through the pre-drilled holes in each element. Move modules aside and drill ground holes to required depth.
3. **Anchor Insertion:** Insert the Ø17 x 105 mm plastic anchors into the drilled holes and tap gently with a hammer until flush with the road surface.
4. **Securing Modules:** Reposition elements, insert 12 x 160 mm lag bolts into anchors, and tighten securely with a socket wrench or impact driver.

Usage Guidelines & Restrictions:

- Install on straight sections of road. Avoid installing on sharp bends to prevent excessive lateral shear forces from turning tires.
- Vehicles should approach and cross the speed bump straight on, not at an angle.
- Suitable for private roads, car parks, and industrial yards. For heavy continuous HGV traffic, consult specialized heavy-duty ramps.