



## NAVIGATOR SLO DOWN SPEED REDUCER FIXING INSTRUCTIONS

1. Preparation: Ensure surface is clean and dust free, area should be swept prior to application of reducers.



### 2. ALIGNMENT

Lay out reducers in required position on surface ensuring each section butts up to the next, thus creating a straight line.



### 3. SPOT DRILLING

Now that the row of reducers are in place drill through the fixing holes of the first reducer to obtain a spot hole



### 4. DRILLING HOLES

Remove reducer and drill holes at the marked position as follows:

- Concrete - 20mm dia.
  - hole size 85mm depth
- Asphalt - 24mm dia.
  - hole size, 85mm depth



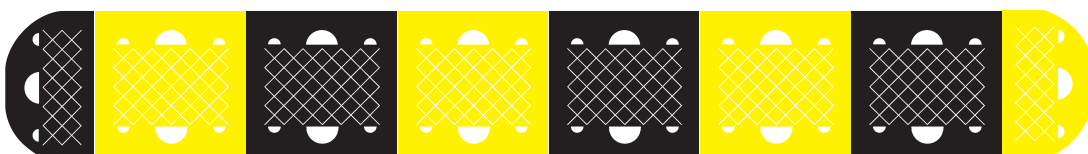
ASPHALT  
FIXINGS

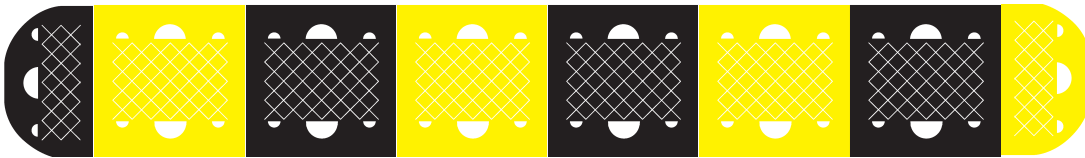


CONCRETE  
FIXINGS

### CORRECT FIXINGS

The correct fixing for the surface is essential, rubber sleeved bolts for asphalt and steel for concrete





## 5. SHIELD/BOLT INSERTION

Clean hole of debris and insert rubber shield (if ASPHALT) OR Steel outer casing (if CONCRETE)



## 6. FINAL APPLICATION

Reposition first reducer over the drilled holes and insert bolt through the reducer into the rubber shield (ASPHALT) or steel casing (CONCRETE)

Ensure that the washer is placed underneath the bolt head resting on the reducer surface. Tighten bolts to a torque of:  
27nm = CONCRETE                      15-20nm = ASPHALT



## 7. FINAL LAYOUT

Once done, repeat STEPS 3-6 for corresponding reducers.

**IMPORTANT NOTES:** The instructions above are based on using JSP fixings, other fixings may require different sizes and depths.

**Recommended max. speed**

- 3cm High Reducer = 15mph
- 5cm High Reducer = 10mph
- 7.5cm High Reducer = 4mph

### Limitations of Use:

Temporary speed reducers must not be used on public highways and thus are not covered by the 'ROAD TRAFFIC ACT'. It is the responsibility of the landowner/lease holder to place appropriate signage to indicate the max. speed at which the reducer should be approached.

