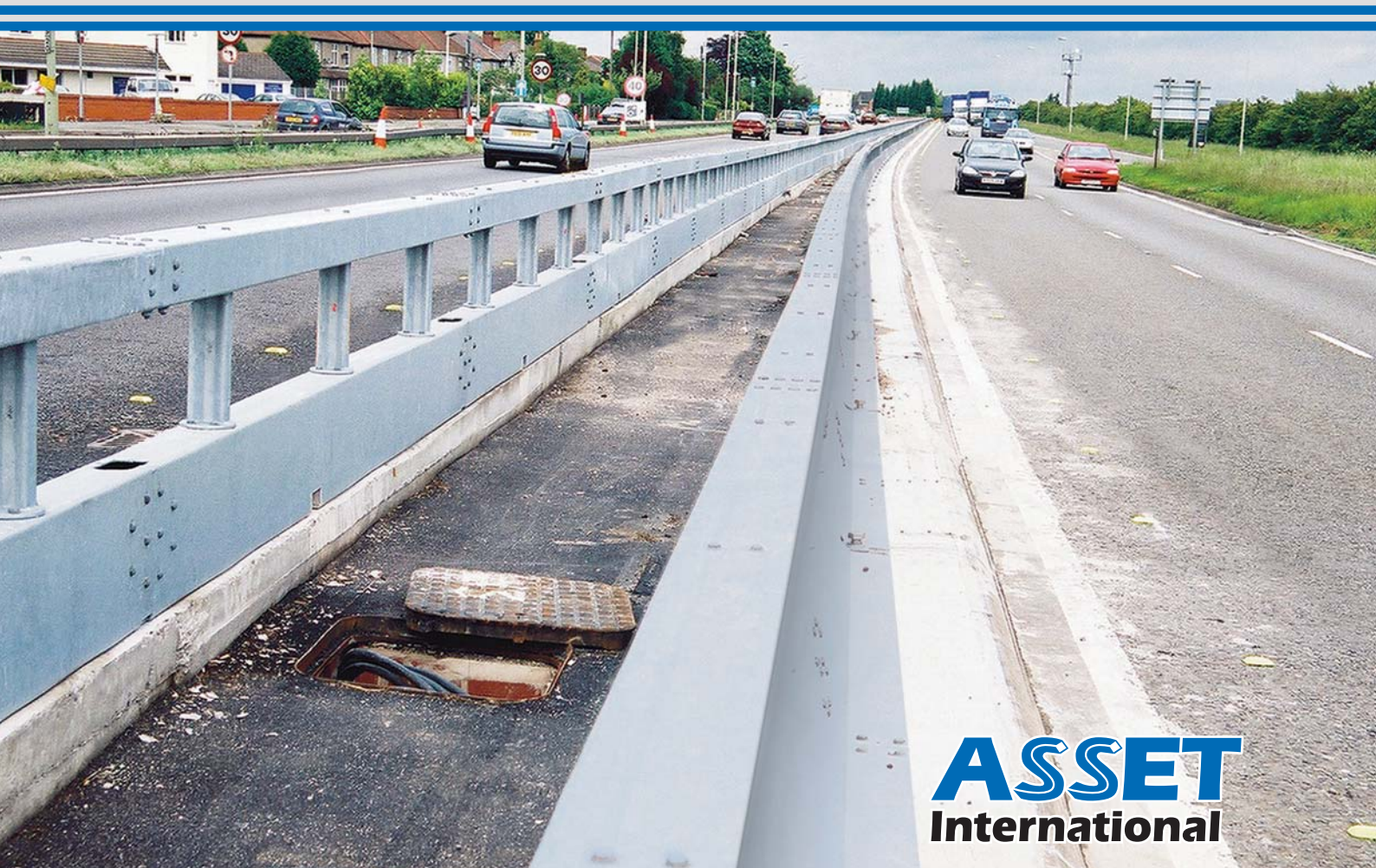


SINGLE SIDED VARIOGUARD®

P E R M A N E N T S A F E T Y B A R R I E R

The **ONLY** steel system
that is effectively N2 : W1*



ASSET
International

The ideal safety barrier with narrow foot profile

*Note from TRL report, the Working Width was 0.72m (Class W2). Since the flanged base of the VARIOGUARD® barrier extends approximately 150mm in from the traffic face, the set-back distance of the barrier can be reduced by 150mm without adversely affecting the performance of the barrier. As a consequence the Working Width can be reduced by a corresponding distance.

TESTED & APPROVED

ASSET Single Sided VARIOGUARD® is a rigid yet deformable energy absorbing barrier system that offers protection to both the travelling public and pedestrians.

The galvanised steel 4m long sections are delivered to site pre-assembled in 12m lengths for ease of delivery and rapid installation. By decreasing vehicle movements during installation, the work zone risk is vastly reduced.

With its narrow foot profile **Single Sided VARIOGUARD®** is the ideal application for central reserves and verges where the requirements for set-back and clearance (as specified in IRRRS) cannot be obtained with other barrier systems. It is ideally suited where PVCBs are unacceptable due to the presence of services or other constraints and obstructions such as signs and lighting columns.

Single Sided VARIOGUARD® complies with **BS EN 1317** at performance level **N2**, with an effective **Working Width of W1** (i.e. the width of the barrier and the deflection upon collision), which has a dynamic deflection (clearance) of only 300mm.

The required tests for this standard are :-

- ▶ TB11 900 kg vehicle
- ▶ TB32 1.5 tonne vehicle at 70 mph on a 20° impact

Often used as a permanent central reservation barrier, **Single Sided VARIOGUARD®** is bolted at 4m centres to a concrete base approximately 450mm wide by 300mm deep, (different bolt configurations can be used for bridge decks).



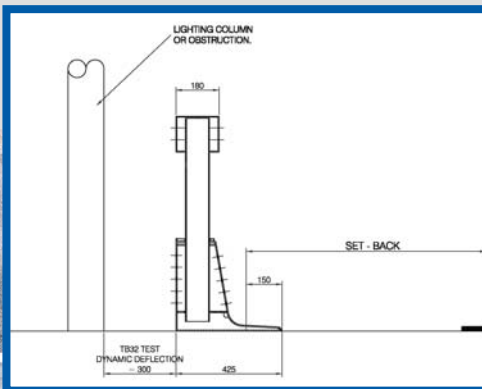
Protecting central reserves on the A38



Crash testing



A38 narrow foot Single Sided end unit



TRL tests BS EN 1317 :- TB32



SINGLE SIDED
VARIOGUARD®
PERMANENT SAFETY BARRIER

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