

Vehicle Incursion Defence System



Technical specifications

Type	Incursion Defender	
Tested Vehicle	BS EN 1317-2 N2 (1500 kg car)	
Impact Angle	90°	
Test Reference	VRS: CD 378 2.51.UK	
Impact Severity Level (ISL)	A	
Smooth Deceleration	Yes	
Cabin Penetration	None	
Stopping Distance	Speed (mph)	Stopping Distance (m)
	50	41
	30	16
	Refer to the installation manual for stopping distances across additional speed scenarios.	
Component Weight	From 3-27 kg	
Total Unit Weight	Emergency access unit 298 kg / Fixed unit from 270 kg	
Height	1244 mm / 1453 mm with cone lamp	
Width	1957 mm	
Length	From 2957 mm onwards	
Cone Lamp	Integrated	
Chapter 8 Sign	Integrated	
Emergency Access	Yes (with wheels) No (without wheels)	
Surface Tested On	Asphalt (can also be used on concrete)	
UK Patent	Pending GB2518903.6	

Product overview

Incursion Defender mitigates risks to the workforce and other road users by safely slowing down and stopping vehicles, preventing them from mistakenly or purposely entering roadworks.

Key features and benefits:

- ✓ Component assembly:
 - Lightweight components
 - Easy deployment from a van
 - No bolts design; no tools required
 - No mechanical lifting required
- ✓ Modular units:
 - Suits different road or lane widths
 - Rapid redeployment and relocation
- ✓ Cone lamp option for:
 - Heightened visibility
 - Early warning
- ✓ Optional wheels (fasteners required):
 - Quick deployment and relocation as scheme evolves
 - Enables easy and rapid access
- ✓ **Crash tested to highway standards - achieving Impact Severity Level (ISL) A**
 - Providing the highest level of occupant safety, with the lowest risk of injury during impact
- ✓ No carriageway surface damage