

## Executive Summary

### Test Agency

TRL Ltd, Crowthorne House, Nine Mile Ride,  
Wokingham, Berkshire, RG40 3GA

**Test No:** TRL010  
**Test Date:** 6 September 2011  
**PAS68:2010 Test Type:** 7500[N3]/80/90



<b>Manufacturer</b>	El Go Team	<b>Product</b>	BLG-05 retractable bollard
		<b>Drawings supplied</b>	16 November 2011
		<b>Foundation installed</b>	3 August 2011
		<b>Product installed</b>	3 August 2011
<b>Test Vehicle</b>	DAF 55 curtainside N3	<b>Kerb weight</b>	6850 kg
	VIN L232256	<b>GVW</b>	18000 kg



PAS 68:2010 Performance classification — vehicle impact test					
Performance classification		V/test weight[veh class]/speed/angle:penetration/dispersion			
Type of product		Retractable bollard V/7500[N3]/80/90:6.9/12.2			
Target	Weight	7500 [kg]	Speed	80 [km/h]	Angle 90 [deg]
Actual	Weight	7500 [kg]	Speed	81.1 [km/h]	Angle 90 [deg]
Vehicle penetration [max=25m]		6.9 [m]	Dispersion distance [max=25m]		12.2 [m]
Filters		CFC180	13Hz	Filters	CFC180 13Hz
ASI		0.97	0.73	PHD [g]	11.4 6.29
THIV [m/s]		8.98	8.99	Notes:	
Observations					
Vehicle condition	Immobilised		Product result	Restrained vehicle	
Vehicle driveable after impact	No		System still functions	Yes	
Engine running after impact	No		Angle from vertical	0 [deg]	
Driver could exit cab	No		Foundation rotation	0.4 [deg]	
Follow-on vehicle could pass	No		Person could pass	N/A	