

LIST OF EN1317 COMPLIANT ROAD RESTRAINT SYSTEMS

March 2016

(Last issue dated January 2016)

CONTENTS:

Safety Barriers (SB)

Part 1: List of permanent safety barrier systems that Highways England has been advised have been CE marked in accordance with the Construction Products Regulation (CPR).

Part 2: List of permanent safety barrier systems that are not CE marked in accordance with the CPR and accepted for use on Highways England roads.

Temporary Safety Barriers (TSB)

Parapets (P)

Crash Cushions (CC)

Terminals (T)

Transitions (TRANS)

Safety Barrier Gates (SBG)

Miscellaneous (M)

Truck Mounted Attenuators (TMAs)

To view or download the current version of this list contact:

http://www.standardsforhighways.co.uk/ha/standards/tech_info/en_1317_compliance.htm

Sector Scheme Training Requirements

Note from TD19/06:

1.17 All VRS installed for use on the Trunk Road network, and on all roads in Northern Ireland, must be installed and maintained by qualified personnel in accordance with Sector Schemes 2B and 5B (see Appendix A of MCHW-1), where these schemes are applicable. VRS, such as bridge and pedestrian parapets or cast in-situ concrete barriers, that are not covered by these Sector Schemes must be installed and maintained by suitably trained and experienced personnel.

New Products – January 2016

- **Safety Barriers (Permanent)**
 - Ferrostrada UK – H2BLW2_2015
 - Ferrostrada UK – N2BL- MARC2013
 - Ferrostrada UK – Super-Rail ES 1.0
 - Linetech GmbH – LT101
 - Linetech GmbH – LT102
 - Linetech GmbH – LT103
 - Linetech GmbH – LT104 BW
 - Linetech GmbH – LT104 Stecke
 - Linetech GmbH – LT205
 - Linetech GmbH – LT105
 - Linetech GmbH – LT106
 - TATA Construction & Engineering Products – Vetex N2W1 Single Sided

- **Transitions**
 - Delta Bloc International GmbH – Transition DB Safelink DB80 to DB80E

Note: For further details on these systems, please see relevant section within the EN1317 Compliant Road Restraint Systems List.

Amendments/Other Changes

- Updated the details for Ferrostrada UK / Marcegalia permanent barrier systems N2BL-MARC2014 & H1BL-MARC2013

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The following Safety Barriers have been successfully tested to meet the requirements of BS EN 1317-1 and -2 and Highways England has been advised that they have been CE marked in accordance with the Construction Products Directive (CPD) or Regulation (CPR) for the Containment Performance Class and Working Width Class stated below.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

The Safety Barriers shall comply with the manufacturer's Specification, component descriptions and Installation procedures.

Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

NA: Not Applicable
NR: Not Reported

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Type NJ 93 BK	H2	W2	0.1	No	NR	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	
Type NJ 85 HF	H2	W5	0.0	No	NR	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	
Type NJ 81 BW-101	H2	W3	0.4	Yes	VI4	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Type NJ 93 KP	H2	W2	0.2	No	NR	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Type NJ 85 BE	H2	W2	0.0	No	NR	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Type NJ 85 DF	H2	W1	0.1	No	NR	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	
Type NJ 81 DV	H2	W3	0.5	No	NR	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Type SB 90 DV	H2	W2	0.3	No	NR	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Type SB 90 BW	H2	W2	0.3	No	NR	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Type SB 94 BE	H2	W1	0.0	No	NR	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Type NJ 93 SZ	H2	W6	0.0	No	NR	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Type NJ 85 DF	H2	W2	0.1	No	NR	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	
Type NJ 93 SZ	H2	W7	0.0	No	NR	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	
Double Sided BSWF, Type NJ 93BK	H2	W2	0.1	No	NR	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	EN1317-5:2007+A1:2008	
AS-MEB.A	N2	W2	0.6	No	NA	A	Asebal Glorieta del Agua, Edif. Aljamar Center Portal 2 Planta 1 Local 11 41940 Tomares (Sevilla) Spain Tel: +34 944 270 084 Fax: +34 944 271 507 email: bjorn.vanwamelen@asebal.com	EN1317-5:2007	
AS-BLB.C	N2	W3	1.0	No	NA	A	Asebal Glorieta del Agua, Edif. Aljamar Center Portal 2 Planta 1 Local 11 41940 Tomares (Sevilla) Spain Tel: +34 944 270 084 Fax: +34 944 271 507 email: bjorn.vanwamelen@asebal.com	EN1317-5:2007	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
SOLOGUARD Emergency and Maintenance Crossing Point System	H1	W5	0.7	No	NR	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	
Varioguard Double Sided Safety Barrier - SYSTEM No. 1	N2 H2 H1	For a tested length of 60m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width W6 W8 W8		No No No	NA NR NR	B B B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Varioguard Quick Joint Steel Safety Barrier - SYSTEM No. 2	N2 H2 L2	For a tested length of 68m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width W6 W8 W8		No No No	NA NR NR	B B B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Varioguard Double Sided Steel Safety Barrier - SYSTEM No. 3	N2	For a tested length of 88m between end anchors, and anchored in accordance with the EN1317 W4		No	NA	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Varioguard Single Sided Steel Safety Barrier - SYSTEM No. 4	N2	For a tested length of 88m between end anchors, and anchored in accordance with the EN1317 W3		No	NA	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Varioguard Single Sided Safety Barrier - SYSTEM No. 7	H1	W6	1.4	No	NR	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	
Varioguard Double Sided Safety Barrier - TVRS with non invasive anchorages	H1	W6	1.4	No	NR	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	
Brifen 3 Rope Safety Barrier	N2 N2	With post centres at 3.2m then the Working Width Class is: W5 With post centres at 3.2m then the Working Width Class is: W6	NR NR	No No	NA NA	A A	Asset International (A Division of Hill and Smith) Brifen (A Division of Hill and Smith) Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007 EN1317-5:2007	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Brifen 4 Rope Safety Barrier	N2	With post centres at 1.2m the Working Width Class is: W4	NR	No	NA	A	Brifen (A Division of Hill and Smith) Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007	
	N2	With post centres at 3.2m the Working Width Class is: W4	NR	No	NA	A		EN1317-5:2007	
	N2	With post centres at 3.2m the Working Width Class is: W5	NR	No	NA	A		EN1317-5:2007	
	H1	With post centres at 3.2m the Working Width Class is: W7	NR	No	NA	A		EN1317-5:2007	
Concrete Step Barrier (CSB), Issue 5 Drawing file release	N2	W1	0.0	No	NA	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	
	H2	W2	NR	Yes	NR	B		EN1317-5:2007	
Wide Concrete Step Barrier (WCSB), Issue 5 Drawing file release	H2	W3	0.0	No	NR	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	
Variable Concrete Step Barrier (VCSB), Issue 5 Drawing file release	H2	W1/W2	NR	Yes	NR	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	
Wide Variable Concrete Step Barrier (WVCSB), Issue 5 Drawing file release	H2	W3	0.0	No	NR	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	
	H1								
Steel Step Barrier (SSB)	H2	W2	NR	No	NR	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	
Wide Steel Step Barrier (WSSB)	H2	W3	NR	No	NR	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	
Variable Steel Step Barrier (VSSB)	H2	W2	NR	No	NR	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Wide Variable Steel Step Barrier (WVSSB)	H2	W3	NR	No	NR	B	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel: 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	EN1317-5:2007	
SMS+ (unanchored)	N1	W5	0.9	Yes	NA	A	Colas Ltd Newcastle Derwenthaugh Industrial Estate Derwenthaugh Road Swalwell NE16 3BQ Tel: 0191 414 6511 email: vrs@colas.co.uk Web site: www.colas.co.uk	EN1317-5:2007+A2:2012	
SMS+ (unanchored)	N2	W6	1.6	Yes	NA	A	Colas Ltd Newcastle Derwenthaugh Industrial Estate Derwenthaugh Road Swalwell NE16 3BQ Tel: 0191 414 6511 email: vrs@colas.co.uk Web site: www.colas.co.uk	EN1317-5:2007+A2:2012	
SMS+ (anchored every 12m)	N1	W4	0.6	Yes	NA	A	Colas Ltd Newcastle Derwenthaugh Industrial Estate Derwenthaugh Road Swalwell NE16 3BQ Tel: 0191 414 6511 email: vrs@colas.co.uk Web site: www.colas.co.uk	EN1317-5:2007+A2:2012	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
SMS+ (anchored every 12m)	N2	W5	0.9	Yes	NA	B	Colas Ltd Newcastle Derwenthaugh Industrial Estate Derwenthaugh Road Swalwell NE16 3BQ Tel: 0191 414 6511 email: vrs@colas.co.uk Web site: www.colas.co.uk	EN1317-5:2007+A2:2012	
SMS+ (anchored every 24m)	N2	W5	1.0	Yes	NA	B	Colas Ltd Newcastle Derwenthaugh Industrial Estate Derwenthaugh Road Swalwell NE16 3BQ Tel: 0191 414 6511 email: vrs@colas.co.uk Web site: www.colas.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80B-E In-situ concrete barrier	H2	W2	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Wav Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel: 0845 30 40 705 Fax: 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80B-E Variable height	H2	W2	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Wav Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel: 0845 30 40 705 Fax: 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80B-E Wide	H2	W2 - W4	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Wav Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel: 0845 30 40 705 Fax: 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Delta Bloc EP80Ba In-situ concrete barrier surface mounted on asphalt	H2	W2	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80Ba-LB In-situ concrete barrier surface mounted on asphalt - Low Base	H2	W2	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80Ba-EB In-situ concrete barrier surface mounted on asphalt - Elevated Base	H2	W2	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80Ba-VW In-situ concrete barrier surface mounted on asphalt - Variable Width	H2	W2	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80Ba-VH In-situ concrete barrier surface mounted on asphalt - Variable Height	H2	W2	0.0	Yes	VI1	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc EP80Bs In-situ concrete barrier surface mounted on subbase/ compacted gravel	H2	W3	0.2	Yes	VI2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Delta Bloc DB80/6m (K150S)	N2	W3	0.4	NR	NA	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A1:2008	
Delta Bloc DB65S/6m (K120S)	H1 N2	W6 W4	NR NR	Yes NR	NR NA	B B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		
Delta Bloc DB80/4m (K120S)	N2	W4	0.6	NR	NA	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Delta Bloc DB80/4m (K180)	N1	W4	NR	NR	NA	A	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
Delta Bloc DB80/4m (K180)	H1	W6	NR	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		
Delta Bloc DB80/6m (K150S)	H1	W4	0.6	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A1:2008	
Delta Bloc DB80/4m (K150S)	H1	W6	NR	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		
Delta Bloc DB80-E/6m (K150S)	H2	W1	0.1	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A1:2008	
Delta Bloc DB80AS-E/6m (K180S)	H2	W1	0.0	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A1:2008	
Delta Bloc DB80AS-F/6m (K120S)	H2	W3	NR	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		
Delta Bloc DB80AS-R/6m (K180)	H2	W4	0.7	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A1:2008	
Delta Bloc DB80-F/6m (K180)	H2	W4	NR	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Delta Bloc DB80AS-A/6m (K120S)	H2	W5	NR	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		
Delta Bloc DB100S/6m (K220)	H2	W5	NR	NR	NR	A	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		
Delta Bloc DB80/6m (K180S)	H2	W6	NR	NR	NR	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		
Delta Bloc DB90 Step/6m (K220)	H2	W6	NR	NR	NR	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk		The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Delta Bloc DB100/6m (K280)	H4a	W6	1.4	Yes	VI9	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tonv.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	EN1317-5:2007+A2:2012	
Duo Rail-KA	H1	W6	1.4	Yes	NR	B	Manufactured by: SGGT Strassenausstattungen GmbH Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
Duo Rail-KAB	N2 H1/L1 H2/L2	W4 W5 W7	0.7 1.0 1.8	Yes Yes Yes	NA NR NR	B B B	Manufactured by: SGGT Strassenausstattungen GmbH Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008 EN1317-5:2007+A1:2008 EN1317-5:2007+A1:2008	
DSS-N2W3 safety fence	N2	W3	0.8	Yes	NA	A	Manufactured by: Duero Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
DSS-N2W4 safety fence	N2	W4	1.0	Yes	NA	A	Manufactured by: Duero Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
DSS-N2W5 safety fence	N2	W5	1.2	Yes	NA	A	Manufactured by: Duero Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
DSS-H1W4 safety fence	H1	W4	1.2	No	NR	A	Manufactured by: Duero Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
DSS-H3W2 safety fence	H3	W2	0.5	No	NR	B	Manufactured by: Duero Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
N2BL-MARC2013	N2	W4	1.1	Yes	NA	A	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
N2BL-MARC2014	N2	W2	0.7	Yes	NA	A	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A2:2012/AC:2012	
H1BL-MARC2013	H1	W3	0.8	Yes	NR	A	Manufacturer: Marcegaglia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
H2BL-MARC2006	H2	W6	1.9	No	NR	A	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
H2BL-MARC2007	H2	W4	1.1	No	NR	A	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
H2BLW-MARC2011	H2	W3	0.9	Yes	NR	A	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
H2BLW2_2015	H2	W2	0.7	Yes	VI2	B	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2012	
PAB H2 BPC	H2	W5	1.1	Yes	NR	B	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
PAB H2 CE	H2	W4	1.3	Yes	NR	A	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
INTEMAR-H2BL Integrated Noise-Safety Barrier	H2	W2	0.5	Yes	VI2	B	Manufacturer: Marceqaqlia Buildtech S.r.l Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A2:2012/AC:2012	Integrated Noise Barrier

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
ESP Plus W1	N2	W1	0.5	No	NA	B	Manufactured by: SGGT Strassenausstattungen GmbH Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
Super-Rail ES 1.0	N2	W2	0.5	Yes	NA	A	Manufactured by: SGGT Strassenausstattungen GmbH Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A2:2012/AC:2012	
	H1	W2	0.7	Yes	V15	A			
	L1	W2	0.7	Yes	V15	A			
ZS1-43	N2	W4	1.3	No	NA	A	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
ZS1-44	N2	W4	1.3	No	NA	A	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
ZS1-83	N2	W5	1.6	No	NA	A	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
ZS1-84	N2	W5	1.7	No	NA	A	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
Quickchange Moveable Barrier (QMB) Permanent Application	N2	W4	NR	No	NA	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel: 01622 734215 Fax: 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	
	H2	W6	NR	No	NR	B		EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Heintzmann Basic Barrier 1.33 Profil A	N2	W2	0.7	No	NA	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	
Heintzmann Basic Barrier 1.33 Profil A	H1 L1	W4 W4	1.2 1.2	No No	NR NR	A A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008 EN1317-5:2007+A1:2008	
Heintzmann Basic Barrier 1.33 Profil A	H1	W3	0.9	No	NR	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	
Heintzmann Basic Barrier 2.0 Profil A	N2	W4	1.2	No	NA	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	
Heintzmann Basic Barrier 2.0b Profil A	N2	W3	0.9	No	NA	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	
Heintzmann Basic Barrier 4.0 Profil A	N2	W5	1.4	No	NA	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	
Nature Rail S4.2	N2	W5	1.4	No	NA	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Nature Rail S4.4	N2	W7	2.2	No	NA	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel: 01622 734215 Fax: 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	EN1317-5:2007+A1:2008	
Bri-Flex Double Sided Corrugated Beam and Wire Rope VRS	H2	With post centres at 1.6m the Working Width Class is: W5	NR	No	NR	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007	
Flex-Beam Double Sided Corrugated Beam VRS	N2	With post centres at 1.6m the Working Width Class is: W2	NR	No	NA	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007	
	N2	With post centres at 4.0m the Working Width Class is: W3	NR	No	NA	A		EN1317-5:2007	
	N2	With post centres at 4.8m the Working Width Class is: W4	NR	No	NA	A		EN1317-5:2007	
Flex-Beam Single Sided Corrugated Beam VRS	N2	With post centres at 4.0m the Working Width Class is: W4	NR	No	NA	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007	
	N2	With post centres at 5.0m the Working Width Class is: W5	NR	No	NA	A		EN1317-5:2007	
Flex-Beam PLUS Single Sided Corrugated Beam VRS	N2	With post centres at 1.2m the Working Width Class is: W1	NR	No	NA	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007	
	N2	With post centres at 2.0m the Working Width Class is: W2	NR	No	NA	B		EN1317-5:2007	
	N2	With post centres at 2.8m the Working Width Class is: W3	NR	No	NA	B		EN1317-5:2007	
	H1	With post centres at 1.6m the Working Width Class is: W3	0.7	Yes	VI6	B		EN1317-5:2007+A2:2012	
	H1	With post centres at 2.0m the Working Width Class is: W4	NR	No	NR	B		EN1317-5:2007	
	H2	With post centres at 2.0m the Working Width Class is: W5	NR	No	NR	B		EN1317-5:2007	
Flex-Beam PLUS-R Single Sided Corrugated Beam VRS	N2	With post centres at 1.6m the Working Width Class is: W1	NR	No	NA	C	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Hi Flex Safety Fence	H2	With post centres at 2.0m, Working Width Class is: W1	NR	No	NR	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Single Sided Double Rail Open Box Beam (SS DROBB)	H1	With post centres at 2.4m, Working Width Class is: W4	NR	NR	VI9	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	EN1317-5:2007+A2:2012	
ESP 2.00 (A Profile)	N2	W2	1.3	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
ESP 2.00 (B Profile)	N2	W5	1.6	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
ESP 4.00 (A & B Profile)	N2	W5	1.6	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
EDSP 2.00 (A & B Profile)	H1	W5	1.3	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
EDSP 1.33 (A & B Profile)	H1	W4	1.1	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
EDSP 1.33 (A & B Profile)	H1	W5	1.2	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
DDSP 4.00 (A & B Profile)	H1	W6	1.6 (A-Profile) 1.8 (B-Profile)	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
DDSP 2.00 ++ (A Profile)	H2	W6	1.8	No	NA	A	JSC "The plant "Freatat" 50 Korabelna Str, Pervomaisk, 55210, Mikolaiv Region, Ukraine Tel:+38 05161 5 23 72 Tel:+38 056 790 22 00 Email: dmfreaat@gmail.com Web: http://www.freatat.mk.ua/en/	EN1317-5:2007+A1:2008	
Easy Rail XS 1.33	N2	W2	0.7	Yes	NA	A	Loran Operations and Maintenance Ltd Rosemount House 21-23 Svdnham Road Belfast Ireland Tel: +353 (0) 1816 1997 Tel 2: +353 (0) 87 2525 513 Email: Patrick.Randles@laganoandm.com	EN1317-5:2007+A2:2012	
	H1	W3	0.8	Yes	VI4	A			
	L1	W3	0.8	Yes	VI4	A			

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Easy Rail XS 2.00	N2	W3	0.9	Yes	NA	A	Lagan Operations and Maintenance Ltd Rosemount House 21-23 Sydenham Road Belfast Ireland Tel: +353 (0) 1816 1997 Tel 2: +353 (0) 87 2525 513 Email: Patrick.Randles@laganoandm.com	EN1317-5:2007+A2:2012	
	H1	W4	1.2	Yes	VI7	A			
	L1	W4	1.2	Yes	VI7	A			
Easy Rail XS 4.00	N2	W4	1.3	Yes	NA	A	Lagan Operations and Maintenance Ltd Rosemount House 21-23 Sydenham Road Belfast Ireland Tel: +353 (0) 1816 1997 Tel 2: +353 (0) 87 2525 513 Email: Patrick.Randles@laganoandm.com	EN1317-5:2007+A2:2012	
Easy Rail 3n 1.50	H2	W4	1.2	Yes	VI4	A	Lagan Operations and Maintenance Ltd Rosemount House 21-23 Sydenham Road Belfast Ireland Tel: +353 (0) 1816 1997 Tel 2: +353 (0) 87 2525 513 Email: Patrick.Randles@laganoandm.com	EN1317-5:2007+A2:2012	
ESP Plus W1	N2	W1	0.5	Yes	NA	B	Lagan Operations and Maintenance Ltd Rosemount House 21-23 Sydenham Road Belfast Ireland Tel: +353 (0) 1816 1997 Tel 2: +353 (0) 87 2525 513 Email: Patrick.Randles@laganoandm.com	EN1317-5:2007+A2:2012	
LT 101	H2	W2	0.3	Yes	VI2	C	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	
LT 102	H2	W1	0	Yes	VI1	C	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	
LT 103	H2	W2	0.2	Yes	VI2	C	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	
LT 104 BW	H4b	W3	0.3	Yes	VI6	C	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	
LT 104 Steck	H4b	W2	0.25	Yes	VI4	C	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	
	H2	W2	0.1	Yes	VI1	C			
LT 105	H2	W1	0	Yes	VI1	B	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
LT 106	H2	W2	0	Yes	VI2	B	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	
LT 205	H2	W2	0.2	Yes	VI1	B	Linetech GmbH & Co. KG Von-Hünefeld-Str. 99 50829 Köln Germany Tel. +49 221 534365 -96 Fax. +49 221 534365 -98 www.linetech.de E-Mail: info@linetech.de	EN1317-5:2007+A2:2012/AC:2012	
passco T-Rail	H1	W4	1.0	Yes	VI6	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A2:2012	
passco L1 (ES 4.0)	N2	W4	1.1	Yes	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A2:2012	
passco L1 (ES 2.0)	N2	W3	0.9	Yes	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A2:2012	
	H1	W4	1.3	Yes	VI7	A			
passco L1 (ES 1.33)	N2	W2	0.7	Yes	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A2:2012	
	H1	W3	0.8	Yes	VI6	A			
DDSP/1.33+SL	H2	W7	1.6	Yes	VI7	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
DDSP/4.0A	H1	W6	1.6	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
DDSP/4.0B	H1	W6	1.8	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
EDSP/1.33	H1	W4	1.1	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
EDSP/1.33 Bw	H1	W5	1.2	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
EDSP/2.0	H1	W5	1.4	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
ESP BOS (Baum-Objektschutz)	N2	W3	0.6	No	NA	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
ESP Plus W1	N2	W1	0.5	No	NA	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
ESP/2.0 Plus	N2	W4	1.1	No	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
ESP/2.0A	N2	W4	1.3	No	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
ESP/2.0B	N2	W5	1.6	No	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
ESP/4.0	N2	W5	1.6	No	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
ESP/4.0 UFS-EUS	N2	W5	1.5	No	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
passco N2	N2	W6	1.9	No	NA	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
SR Eco BW	H2	W4	1.0	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
SR Eco doppelt	H2	W4	0.7	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
SR light BW	H2	W4	0.9	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail	H2	W4	0.8	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Super Rail BW	H2	W4	0.7	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail doppelt	H2	W4	0.7	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail Eco	H2	W4	0.7	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail Eco 1A	H2	W4	1.1	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail Eco doppelt - PA 2,00m	H2	W4	0.7	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail Eco MUF	H2	W4	1.1	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail ES/1,0	H1	W3	0.8	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
	N2	W2	0.5	No	NA	A		EN1317-5:2007+A1:2008	
Super Rail ES/1,33	H1	W4	1.0	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail light	H2	W5	1.6	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail light auf BW	H2	W5	0.9	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
Super Rail VZB	H2	W3	0.6	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
SuperRail Eco auf Bauwerk	H2	W4	1.0	No	NR	A	Pass & Co UK Ltd Unit 5, Lock Lane Thorne South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
PEIS CE 100	H2	W3	0.5	Yes	NR	B	PEIS Maskinfabrik A/S Hobrovej 717 9230 Svenstrup Denmark Tel: +45 98 38 18 50 email: post@peis.dk	EN1317-5:2007+A2:2012	
REBLOC RB60H_12_N2/W4	N2	W4	1.0	Yes	NA	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB80_8_N2/W3	N2	W3	0.5	Yes	NA	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB80_8_H1/W4	H1 L1	W4 W4	0.7 0.7	Yes Yes	VI4 VI4	B B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB80A_8_H2/W1	H2	W1	0.0	Yes	VI2	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB80H_H2/W5	H2	W5	1.1	Yes	VI5	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB80L4_N2/W4	N2	W4	0.8	Yes	NA	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB100_2_H2/W5	H2	W5	0.9	Yes	VI5	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB100_8_H2/W5	H2	W5	1.0	Yes	VI5	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
REBLOC RB100H_2_H3/W6	H3	W6	1.2	Yes	VI9	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
REBLOC NB100/300_8_H2/W4	H2	W4	0.3	Yes	VI2	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	EN1317-5:2007+A2:2012/AC:2012	
G4M	N2	W7	2.1	No	NA	A	Rondino Rue de l'Industrie B.P.195 - Savignieux 42604 MONTBRISON FRANCE Tel: (+33) 4 77 96 29 70 Fax: (+33) 4 77 96 29 90/95 email: m.gallien@rondino.fr	EN1317-5:2007+A1:2008	
G2M	N2	W6	1.7	No	NA	A	Rondino Rue de l'Industrie B.P.195 - Savignieux 42604 MONTBRISON FRANCE Tel: (+33) 4 77 96 29 70 Fax: (+33) 4 77 96 29 90/95 email: m.gallien@rondino.fr	EN1317-5:2007+A1:2008	
GH2	H2	W4	1.0	No	NR	B	Rondino Rue de l'Industrie B.P.195 - Savignieux 42604 MONTBRISON FRANCE Tel: (+33) 4 77 96 29 70 Fax: (+33) 4 77 96 29 90/95 email: m.gallien@rondino.fr	EN1317-5:2007+A1:2008	
G4M+	N2	W7	2.2	No	NA	A	Rondino Rue de l'Industrie B.P.195 - Savignieux 42604 MONTBRISON FRANCE Tel: (+33) 4 77 96 29 70 Fax: (+33) 4 77 96 29 90/95 email: m.gallien@rondino.fr	EN1317-5:2007+A1:2008	
G2M+	N2	W5	1.6	No	NA	A	Rondino Rue de l'Industrie B.P.195 - Savignieux 42604 MONTBRISON FRANCE Tel: (+33) 4 77 96 29 70 Fax: (+33) 4 77 96 29 90/95 email: m.gallien@rondino.fr	EN1317-5:2007+A1:2008	
MegaGuard (1.25m high)	N2	With post centres at 2.0m the Working Width Class is: W1	NR	No	NA	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
	H2	With post centres at 2.0m the Working Width Class is: W1	NR	No	NR	B		EN1317-5:2007+A1:2008	
Birsta 1P Guardrail	N2	W4	1.0	No	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
	H1	W5	1.2	No	NR	A		EN1317-5:2007+A1:2008	
MegaRail (Birsta W2)	N2	With post centres at 4.0m the Working Width Class is: W4	1.3	No	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	Whilst the name of the system is 'Birsta W2', it is a W4 system
ESP 2.0 (A)	N2	W4	1.3	No	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
ESP 4.0 (A & B)	N2	W5	1.6	No	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
ESP Plus W1	N2	W1	0.5	No	NA	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
MegaRail bs	H1	W2	0.6	Yes	NR	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
MegaRail bw	H2	W3	0.8	No	NR	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
MegaRail d	H2	W5	1.6	No	NR	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
MegaRail db (Double Sided)	H2	W4	0.6	No	NR	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
MegaRail e	N2	W3	1.0	No	NA	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
MegaRail ec 4.4	H2	W4	1.0	Yes	NR	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
MegaRail ek	H1	W3	0.7	Yes	NR	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
MegaRail em	H1	W4	1.2	Yes	VI4	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
MegaRail eb	N2	W3	0.9	Yes	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
MegaRail eb	H1	W3	0.9	Yes	VI7	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
MegaRail eb	H1	W3	0.7	Yes	VI4	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
MegaRail sk	H2	W2	0.6	Yes	VI2	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
Vik CC2-W3	N2	W3	0.8	Yes	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
Vik CC4-W3	N2	W3	0.9	Yes	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
MegaRail en	N2	W4	1.2	Yes	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A2:2012	
MegaRail es	N2	W2	0.7	Yes	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
MegaRail s	H2	W4	1.0	No	NR	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
	H3	W4	0.8	Yes	NR	B		EN1317-5:2007+A1:2008	
MegaRail sl	H1	W4	1.1	No	NR	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
	N2	W4	1.1	No	NA	A		EN1317-5:2007+A1:2008	
Steel Step Barrier	H2	W2	0.4	No	NR	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
Super Rail ES 1.0	H1	W3	0.8	No	NR	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
Tata Steel Vetex N2 Single Sided Safety Barrier	N2	With socketed post centres at 2.0 m Working Width Class is: W1	0.6	Yes	NA	A	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	EN1317-5:2007+A2:2012	
	N2	With post centres at 0.8m the Working Width Class is: W2	NR	No	NA	B		EN1317-5:2007	
	N2	With post centres at 1.6m the Working Width Class is: W2	NR	No	NA	B		EN1317-5:2007	
	N2	With post centres at 2.0m the Working Width Class is: W2	NR	No	NA	A		EN1317-5:2007	
	N2	With post centres at 2.5m the Working Width Class is: W3	NR	No	NA	B		EN1317-5:2007	
	N2	With post centres at 3.0m the Working Width Class is: W3	NR	No	NA	A		EN1317-5:2007	
	N2	With post centres at 3.2m the Working Width Class is: W3	NR	No	NA	A		EN1317-5:2007	
	N2	With post centres at 2.0m the Working Width Class is: W4	NR	No	NA	A		EN1317-5:2007	
	N2	With post centres at 2.5m the Working Width Class is: W4	NR	No	NA	A		EN1317-5:2007	
	N2	With post centres at 3.5m the Working Width Class is: W4	NR	No	NA	B		EN1317-5:2007	
	N2	With post centres at 4.0m the Working Width Class is: W5	NR	No	NA	A		EN1317-5:2007	
N2	With post centres at 5.0m the Working Width Class is: W5	NR	Yes	NA	A	EN1317-5:2007			

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Tata Steel Vetex N2 Double Sided Safety Barrier	N2	With post centres at 4.0m the Working Width Class is: W3	NR	Yes	NA	A	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	EN1317-5:2007	
	N2	With post centres at 5.0m the Working Width Class is: W4	NR	Yes	NA	A	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	EN1317-5:2007	
Tata Steel Vetex H2 Double Height, Single Sided Safety Barrier	H2	With post centres at 2.0m the Working Width Class is: W4	NR	Yes	NR	B	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	EN1317-5:2007	
Protect 365 N2 Safety Fence (surface mounted)	N2	With post centres at 2.0m the Working Width Class is: W1	NR	NR	NA	C	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		
	N2	With post centres at 3.0m the Working Width Class is: W2	NR	NR	NA	B	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		
	N2	With post centres at 4 and 4.375m the Working Width Class is: W3	NR	NR	NA	B	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		
Protect 365 N2 Safety Fence (socketed)	N2	With post centres at 2.0m the Working Width Class is: W1	NR	NR	NA	B	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		
	N2	With post centres at 4.0m the Working Width Class is: W3	NR	NR	NA	B	Tata Steel Construction Products Llanwrn Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		
T18 4M	N2	W7	2.3	No	NA	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com Distributor: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
T18 4MS2	N2	W5	1.5	No	NA	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com Distributor: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
T22 4M	N2	W6	1.8	No	NA	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com Distributor: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
T40	N2	W4	0.8	No	NA	B	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com Distributor: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: iferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
	H2	W4	0.8	No	NA	B		EN1317-5:2007+A1:2008	
T22 4MS2	N2	W4	1.0	Yes	NA	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com	EN1317-5:2007+A2:2012	
TLC18 4M	N1	W5	1.0	Yes	NA	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com	EN1317-5:2007+A2:2012	
TM40 4MS2	H2	W5	1.5	Yes	V15	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com	EN1317-5:2007+A2:2012	
TM 18 4MS2	N2	W4	1.1	Yes	NA	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com	EN1317-5:2007+A2:2012	
TM18 4M	N2	W5	1.2	Yes	NA	A	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com	EN1317-5:2007+A2:2012	
Vulcan Safety Barrier	N2	W6	NR	No	NA	A	Trinky Highway Products International Crown House Crown Street Ipswich Suffolk IP1 3HS Tel. 01473 22 11 05 Fax: 01473 22 11 06 email: europe.sales@trin.net Web site: www.energysorption.com	EN1317-5:2007	
	H2	W8	NR	No	NR	A		EN1317-5:2007	

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Single Sided Tensioned Corrugated Beam (SSTCB)	N2	With post centres at 1.6m the Working Width Class is: W4	NR	NR	NA	A	Versco Ltd. Unit 5 Lock Lane Thorne Doncaster DN8 5ET Tel: 01405 818458 email: johns.versco@btconnect.com	EN1317-5:2007+A2:2012	
		With post centres at 3.2m the Working Width Class is: W6	NR	NR	NA	A			
Double Sided Tensioned Corrugated Beam (SSTCB)	N2	With post centres at 1.6m the Working Width Class is: W4	NR	NR	NA	A	Versco Ltd. Unit 5 Lock Lane Thorne Doncaster DN8 5ET Tel: 01405 818458 email: johns.versco@btconnect.com	EN1317-5:2007+A2:2012	
		With post centres at 3.2m the Working Width Class is: W6	NR	NR	NA	A			
Single Sided Open Box Beam (SSOBB)	N2	With post centres at 1.2m the Working Width Class is: W4	NR	NR	NA	B	Versco Ltd. Unit 5 Lock Lane Thorne Doncaster DN8 5ET Tel: 01405 818458 email: johns.versco@btconnect.com	EN1317-5:2007+A2:2012	
		With post centres at 2.4m the Working Width Class is: W6	NR	NR	NA	B			
Single Sided Double Rail Open Box Beam (SSDROBB)	H1	W3	NR	NR	NA	B	Versco Ltd. Unit 5 Lock Lane Thorne Doncaster DN8 5ET Tel: 01405 818458 email: johns.versco@btconnect.com	EN1317-5:2007+A2:2012	
	H2	W5	NR	NR	NA	B			

END OF SAFETY BARRIER SECTION - RETURN TO CONTENTS

SAFETY BARRIERS (PART 2)

The following Safety Barriers have been successfully tested to meet the requirements of BS EN 1317-1 and -2, but are not CE marked, and therefore can only be used on the Highways England Trunk Road Network for repair schemes or unless a case can be made within a Departure from Standard application.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

The Safety Barriers shall comply with the manufacturer's Specification, component descriptions and Installation procedures.

Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

NA: Not Applicable
NR: Not Reported

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Comments
Higher Vertical Concrete Barrier (HVCB)	H4a	W5				C	Please contact an appropriate Manufacturer/ Contractor for details including information on construction.	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Vertical Concrete Barrier (VCB)	N2	W1				C	Please contact an appropriate Manufacturer/ Contractor for details including information on construction.	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).

The following Safety Barriers have been successfully tested to meet the requirements of BS EN 1317-1 and -2 and can only be used on the Highways England Trunk Road Network for repair schemes or unless a case can be made within a Departure from Standard application.
Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

The Safety Barriers shall comply with the manufacturer's Specification, component descriptions and Installation procedures.
Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

NA: Not Applicable
NR: Not Reported

Safety Barrier Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Comments
Double Rail Open Box Beam (DROBB)	H1	W4				B		Please contact any of the Promoters listed below for details including information on construction, connections and transitions.
Single Sided Open Box Beam (SSOBB)	N2	With post centres at 1.2m the Working Width Class is: W4 With post centres at 2.4m the Working Width Class is: W5				B B		Please contact any of the Promoters listed below for details including information on construction, connections and transitions.
Double Sided Open Box Beam (DSOBB)	N2	With post centres at 1.2m the Working Width Class is: W4 With post centres at 2.4m then the Working Width Class is: W5				B B		Please contact any of the Promoters listed below for details including information on construction, connections and transitions.
Single Sided Tensioned Corrugated Beam (SSTCB)	N2	With post centres at 3.2m the Working Width Class is: W6				A		Please contact any of the Promoters listed below for details including information on construction, connections and transitions.
Double Sided Tensioned Corrugated Beam (DSTCB)	N2	With post centres at 3.2m the Working Width Class is: W6				Unknown		Please contact any of the Promoters listed below for details including information on construction, connections and transitions.

The Promoters for the repair components for the above Double Rail Open Box Beam (DROBB), Single Sided Open Box Beam (SSOBB), Double Sided Open Box Beam (DSOBB), Single Sided Tensioned Corrugated Beam (SSTCB) and Double Sided Tensioned Corrugated Beam (DSTCB) are listed below.

Clipstone Services Limited
Units J & K
Clipstone Holding Centre
Clipstone Village
Mansfield
Nottinghamshire
NG21 9AP
Tel. 01623 420188

Hill and Smith
Springvale Business and Industrial Park
Bilston
Wolverhampton
West Midlands
WV14 0QL
Tel: 01902 499400
Fax: 01902 499419
Email: technical@hill-smith.co.uk
Web: www.hill-smith.co.uk

Tata Steel Construction Products
Llanwern Works
Newport
South Wales
NP19 4QZ
Tel. 01633 290011
email: cep.sales@tatasteel.com

CPC Fencing Services Ltd
Unit 5 Joiners Court
Torworth
Retford
Notts
DN22 8NW
Tel 01777 817 700
Fax 01777 817 272
Email: enquiries@cpceurorail.co.uk

SafeRoad UK Ltd.
Dragonby Vale
Enterprise Park
Manaberg Way
Scunthorpe
North Lincolnshire
DN15 8XF
Tel. 01724 289119
email: enquiries@saferoaduk.co.uk

Versco Ltd.
Unit 5 Lock Lane
Thorne
Doncaster
DN8 5ET
Tel: 01405 818458
email: johns.versco@btconnect.com

Eurorail Crash Barriers Ltd
Unit 5 Joiners Court
Torworth
Retford
Notts
DN22 8NW
Tel 01777 817 700
Fax 01777 817 272
Email: enquiries@cpceurorail.co.uk

END OF SAFETY BARRIER SECTION - RETURN TO CONTENTS

TEMPORARY SAFETY BARRIERS

The following Temporary Safety Barriers have been successfully tested to meet the requirements of BS EN 1317-1 and -2 and have been accepted for use on the Highways England Trunk Road Network for the Containment Performance Class and Working Width Class stated below.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

The Temporary Safety Barriers shall comply with the manufacturer's specification, component descriptions and Installation procedures.

Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
System Spengler Transportable Double Sided Precast Concrete Barrier (height 0.81m)	H1	W7	B	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	
System Spengler Transportable Double Sided Precast Concrete Barrier (height 0.81m)	N2	W5	C	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	The installation of temporary safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 8.5 and 8.6).
System Spengler Transportable Double Sided Precast Concrete Barrier (height 0.81m)	N1	W3	A	Ardee Precast Concrete Limited Town Parks Ardee Co. Louth Ireland Tel. +353 41 6856372 Fax. +353 41 6857216 email: info@ardeeprecastconcrete.com Web Site: www.ardeeprecastconcrete.com	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
Varioguard Double Sided Safety Barrier - SYSTEM No. 1	N2 H2 L2	For a tested length of 60m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W6 W8 W8	B B B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Varioguard 'Quick Joint' Steel Safety Barrier - SYSTEM No. 2	N2 H2 L2	For a tested length of 68m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W6 W8 W8	B B B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
SOLOGUARD Emergency and Maintenance Crossing Point System	H1	W5	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Varioguard 'Quick Joint' Double Sided Steel Safety Barrier - SYSTEM No. 5	N2	For a tested length of 68m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W5	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Varioguard Double Sided Steel Safety Barrier - SYSTEM No. 3	N2	For a tested length of 88m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W4	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Varioguard QM Safety Barrier System - SYSTEM No. 6 - pre move	N2	W6	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Varioguard QM Safety Barrier System - SYSTEM No. 6 - moved	N2	W6	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
ZoneGuard System 1	N2	W6	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
ZoneGuard System No. 2 - pinned at 12m centres	N2	W2	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter.wilkinson@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Delta Bloc DB80/4m (K180)	N1	W4	A	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
Delta Bloc DB80/6m (K150S)	N2	W3	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB80E (K150S)	N2	W3	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB65S/6m (K120S)	N2	W4	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Delta Bloc DB80/4m (K120S)	N2	W4	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc SB50	N2	W5	A	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB80/6m (K150S)	H1	W4	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB65S/6m (K120S)	H1	W6	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB80/4m (K180)	H1	W6	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB100/6m (K280)	H1	W6	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Delta Bloc DB100S/6m (K220)	H2	W5	A	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB80/6M (K180S)	H2	W6	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Delta Bloc DB100/6m (K280)	H4a	W6	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Eurovia Beton 2m Transportable Concrete Barrier	N1	W4	A	Eurovia Beton 12, Avenue du Juillet 91412 Dourdan Cedex France Tel. (33) 01 60815200/(33) 01 64593184 email: fcosani@eurovia.com Web site: www.eurovia.com	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
Multibloc 80 Temporary Vertical Concrete Barrier	N1	W3	B	Hardstaff Barriers Hardstaff Barriers Ltd Hillside Gotham Road Kingston-on-Soar Nottingham NG11 0DF Tel. 0115 983 2300 Fax. 0115 983 0087 email:enquiries@hardstaffbarriers.com Web site:www.hardstaffbarriers.com	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Multibloc 110 Freestanding Temporary Vertical Concrete Barrier	N2	W3	C	Hardstaff Barriers Hardstaff Barriers Ltd Hillside Gotham Road Kingston-on-Soar Nottingham NG11 0DF Tel. 0115 983 2300 Fax. 0115 983 0087 email:enquiries@hardstaffbarriers.com Web site:www.hardstaffbarriers.com	The installation of temporary safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 8.5 and 8.6).
Multibloc Freestanding Temporary Vertical Concrete Barrier	N2	W3	B	Hardstaff Barriers Hardstaff Barriers Ltd Hillside Gotham Road Kingston-on-Soar Nottingham NG11 0DF Tel. 0115 983 2300 Fax. 0115 983 0087 email:enquiries@hardstaffbarriers.com Web site:www.hardstaffbarriers.com	
Maxibloc Freestanding Temporary Higher Vertical Concrete Barrier	H4a	W6	C	Hardstaff Barriers Hardstaff Barriers Ltd Hillside Gotham Road Kingston-on-Soar Nottingham NG11 0DF Tel. 0115 983 2300 Fax. 0115 983 0087 email:enquiries@hardstaffbarriers.com Web site:www.hardstaffbarriers.com	The installation of temporary safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 8.5 and 8.6).
Maxibloc Recessed Temporary Higher Vertical Concrete Barrier	H4a	W2	C	Hardstaff Barriers Hardstaff Barriers Ltd Hillside Gotham Road Kingston-on-Soar Nottingham NG11 0DF Tel. 0115 983 2300 Fax. 0115 983 0087 email:enquiries@hardstaffbarriers.com Web site:www.hardstaffbarriers.com	The installation of temporary safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 8.5 and 8.6).

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Armorzone Longitudinal Barrier (ALB)	N1	W8	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
Highway Care BarrierGuard 800	N2 H2 L2	For a tested length of 72m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W5 W8 W8	A A A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Highway Care BarrierGuard 800 - wheeled	N2	W5	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	
Highway Care BarrierGuard 800 - 12m centres	N2	W2	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	
Highway Care BarrierGuard 800, Minimum Deflection System (MDS)	N2	W2	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Quickchange Moveable Barrier (QMB)	N2 H2	W4 W6	B B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	
NMS Civil Engineering N2TCB Freestanding Precast Concrete Barrier	N2	W3	C	NMS Civil Engineering Limited Park Industrial Estate Liverpool Road Ashton-in Makerfield Wigan Greater Manchester WN4 0YU Tel. 01942 722694 email: Geoff@nmsltd.co.uk	The installation of temporary safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 8.5 and 8.6).
RB22 Water Filled Barrier	N1	W7	A	Oaklands Plastics Ltd Station Road Coleshill Birmingham B46 1HT Tel. 01675 466321 email: enquiries@oaklandsplastics.com	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
REBLOC RB60H_12_N2/W4	N2	W4	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	
REBLOC RB80_8_N2/W3	N2	W3	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	
REBLOC RB80_8_H1/W4	H1 L1	W4 W4	B B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
REBLOC RB80A_8_H2/W1	H2	W1	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	
REBLOC RB80H_H2/W5	H2	W5	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	
REBLOC RB80L4_N2/W4	N2	W4	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	
REBLOC RB100_2_H2/W5	H2	W5	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	
REBLOC RB100_8_H2/W5	H2	W5	B	REBLOC GmbH Weinerstrasse 662 Gars am Kamp 3571 Austria Tel. +43(2985)30922-2902 Fax. +43(2985)30922-2901 email: office@rebloc.com Web site: www.rebloc.com	
Rhino Polyethylene Water Filled Barrier System	N1	W8	A	Rhino Barrier Systems Ltd. Equinox 1 Audby Lane Wetherby West Yorkshire LS22 7RD Tel. 01937 583333 Fax. 01937 58322 email: sales@polyjohn.co.uk Web Site: www.rhinobarriers.com	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.

Temporary Safety Barrier Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Varioguard 'Quick Joint' H2 Double Sided Steel Safety Barrier	H2	For a tested length of 68m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W8	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Freestanding Varioguard with Quick Joints H2 Double Sided Steel Safety Barrier	N2 H2	For a tested length of 64m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W6 W8	A B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Advanced Varioguard N2 Double Sided Steel Safety Barrier	N2	For a tested length of 64m between end anchors, and anchored in accordance with the EN1317 compliant test, the working width class shall be: W6	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	Note: For a different installation length please contact the Promoter for information concerning the Working Width of the system.
Vulcan Safety Barrier	N2 H2	W6 W8	A A	Trinity Highway Products International Crown House Crown Street Ipswich Suffolk IP1 3HS Tel. 01473 22 11 05 Fax: 01473 22 11 06 email: europe.sales@trin.net Web site: www.energyabsorption.com	

END OF TEMPORARY SAFETY BARRIER SECTION - RETURN TO CONTENTS

PARAPETS

The following Parapets have been successfully tested to meet the requirements of BS EN 1317-1 and -2 and Highways England has been advised that they have been CE marked in accordance with the Construction Products Regulation (CPR) for the Containment Performance Class and Working Width Class stated below.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

The parapets shall comply with the manufacturer's specification, component descriptions and Installation procedures.

Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

NA: Not Applicable
NR: Not Reported

Parapet Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
ZB4-1	H2	W3	0.8	No	NR	B	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
ZB4-2	H2	W2	0.5	No	NR	B	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
ZB4-3	H2	W2	0.5	No	NR	B	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
ZB4-4	H2	W4	0.5	No	NR	B	Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
H2BP-MARC2011 bridge parapet	H2	W4	1	Yes	NR	A	Manufacturer: Marcegaglia Srl Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	

Parapet Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
OBEX Line 4.0B 3R	N1	W1	0.4	Yes	NA	A	Obex Systems Ltd Unit 232 Blanchardstown Corporate Park 2 Blanchardstown Dublin 15 Republic of Ireland Tel: +353 (0)1 8665151 Web: www.obexsystems.com	EN1317-5:2007+A2:2012	Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.
OBEX Line 3.0B 3R	N2	W2	0.6	Yes	NA	B	Obex Systems Ltd Unit 232 Blanchardstown Corporate Park 2 Blanchardstown Dublin 15 Republic of Ireland Tel: +353 (0)1 8665151 Web: www.obexsystems.com	EN1317-5:2007+A2:2012	
OBEX Line 3.0B 4R	N2	W2	0.6	Yes	NA	B	Obex Systems Ltd Unit 232 Blanchardstown Corporate Park 2 Blanchardstown Dublin 15 Republic of Ireland Tel: +353 (0)1 8665151 Web: www.obexsystems.com	EN1317-5:2007+A2:2012	
OBEX Line 1.5B 4R	H2	W4	1.2	Yes	VI3	B	Obex Systems Ltd Unit 232 Blanchardstown Corporate Park 2 Blanchardstown Dublin 15 Republic of Ireland Tel: +353 (0)1 8665151 Web: www.obexsystems.com	EN1317-5:2007+A2:2012	
Super Rail BW	H2	W4	0.7	No	NR	B	Pass & Co UK Ltd Unit 5, Lock Lane Thome South Yorkshire, DN8 5ET Tel: 01405 814747 email: info@passco.uk.com Web: www.passco.uk.com	EN1317-5:2007+A1:2008	
MegaGuard H2 Steel parapet (1.25m high)	N2	With post centres at 2.0m the Working Width Class is: W1	NR	No	NA	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
	H2	With post centres at 2.0m the Working Width Class is: W1	NR	No	NR	B		EN1317-5:2007+A1:2008	
Orsta Bridge Parapet	H2	W2	0.5	No	NR	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
Phoenix N1 Aluminium Parapet	N1	With post centres at 3.8m the Working Width Class is: W2	NR	No	NA	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.

Parapet Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Phoenix N2 Aluminium Parapet	N2	With post centres at 3.0m the Working Width Class is: W3	NR	No	NA	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
SN2 steel parapet	N2	With post centres at 3.75m the Working Width Class is: W4	NR	No	NA	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
Sicuro Arc Bridge Parapet	H2	W2	0.4	No	NR	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	EN1317-5:2007+A1:2008	
Protect 365 N1 Parapet (formerly Corus Protect 365 N1 3 Rail Steel Parapet)	N1 N1	With post centres at 2.5 to 3.49m the Working Width Class is: W1 With post centres at 2.5 to 3.75 m the Working Width Class is: W2			NA NA	A A	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.
Protect 365 N2 parapet (formerly Corus HBP 300 N2 Steel Parapet)	N2 N2	With post centres at 2.5 to 2.99m the Working Width Class is: W3 With post centres at 3.0 to 3.75m the Working Width Class is: W4			NA NA	B B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		Note: For intermediate post positions the manufacturer/Promoter will be responsible for declaring the working width.
Protect 365 Clad L4a/H4a Parapet (formerly Corus Tubes Celsius HBP 300 H4a Steel Parapet)	L4a/H4a	With post centres at 2.5 to 3.75m the Working Width Class is: W4			VI4	B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		
Protect 365 Unclad H4a Parapet	H4a H4a	With post centres between 2.5m and 3.49m the Working Width Class is: W4 With post centres between 3.5m and 4.375m the Working Width Class is: W4		Yes Yes	VI6 VI6	C B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		The installation of parapets with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 4.11 and 4.12).
Protect 365 N1 Vertical Infill Steel Parapet	N1	With post centres at 2.5m to 3.75m the Working Width Class is: W1			NA	A	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com		Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.

Parapet Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
T40 4MS2 Bridge Parapet	H2	W5	1.3	No	NR	B	Manufacturer : TERTU Les bois de Tertu 61160 VILLEDIEU LES BAILLEUL FRANCE Tel : +33 2 33 36 11 02 Fax : +33 2 33 39 28 75 email: er@tertu.com Distributed by: Ferrostrada (UK) Limited Venlaw House Burston Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	EN1317-5:2007+A1:2008	
VGAN 800 N1 Aluminium Parapet	N1	W2	NR	Yes	NA	A	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	
VGAN 1000 N2 Aluminium Parapet	N2	With post centres at 2.7 to 3.0m, Working Width Class is: W2		No	NA	B	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	
VGSN 1000 N2 Steel Parapet	N2	With post centres at 2.93 to 3.66m, Working Width Class is: W1		No	NA	B	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	
VGSN 900 N2 Steel Parapet	N2	With post centres at 2.93 to 3.66m, Working Width Class is: W2	NR	No	NA	C	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	The installation of parapets with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 4.11 and 4.12).
VGSN 500 N1 Steel Parapet	N1	With post centres at 3.0 to 3.75m, Working Width Class is: W1	NR	No	NA	A	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.
VGAN 500 N1 Aluminium Parapet	N1	With post centres at 3.6 to 4.0m, Working Width Class is: W2	NR	No	NA	A	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.
VarleyGuard Steel Parapet	H2	With post centres at 2.0m, Working Width Class is: W1	NR	No	NR	B	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	

Parapet Name	Containment Level	Working Width Class	Dynamic Deflection (m)	Are DD and WW normalised?	Vehicle Intrusion Class	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
VGSH 2000 H2 Steel Parapet	H2	With post centres at 1.8 to 2.0m, Working Width Class is: W3	NR	No	NR	B	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	
VGSH 4000 Steel Parapet	H4a	With post centres at 4.5m, Working Width Class is: W4	0.4	Yes	VI5	B	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A2:2012	
VGSH 4000 Steel Parapet (Integrated Plexiglas Noise Barrier)	H4a	With post centres at 4.5m, Working Width Class is: W4	0.4	Yes	VI5	B	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A2:2012	
V6Guard H4a Steel Parapet	H4a	With post centres at 1.5m the Working Width Class is: W3	NR	No	NR	B	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	EN1317-5:2007+A1:2008	
VC/H2W1	H2	W1	0.4	Yes	VI2	B	VeRScO Ltd Unit 5 Lock Lane Thorne South Yorkshire DN8 5ET Tel. 07907 268 376 email: Firsmithy@aol.com	EN1317-5:2007+A1:2008	Note: Although this is called the VC/H2W1 parapet, it has a VI class of V12.

END OF PARAPET SECTION - RETURN TO CONTENTS

CRASH CUSHIONS

The following Crash Cushions have been successfully tested to meet the requirements of BS EN 1317-3 and Highways England has been advised that they have been CE marked in accordance with the Construction Products Directive (CPD) or Regulation (CPR) for the Performance Level and Zone Classes stated below. Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

The Crash Cushions shall comply with the manufacturer's specification, component descriptions and Installation procedures. Copies of documents and drawings can be obtained from the Promoter.

Crash Cushion Name	Performance Level	Redirection Zone and Lateral Displacement Classes	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
Vecu-Stop Re-Directional and Bi-Directional Crash Cushion - Model P120/2:13 and V120/4:13	100km/h	Re - Direction Zone Class - Z4 Lateral Displacement Zone Class - D2	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	For use on roads with a speed limit of 50mph or less
Vecu-Stop Re-Directional and Bi-Directional Crash Cushion - Model P120/2:14 and V120/4:14	110km/h	Re - Direction Zone Class - Z3 Lateral Displacement Zone Class - D1	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	For use on roads with a speed limit greater than 50mph
Vecu-Stop Re-Directional and Bi-Directional Crash Cushion - Model P100/2:14 and V100/4:14	110km/h	Re - Direction Zone Class - Z3 Lateral Displacement Zone Class - D1	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	For use on roads with a speed limit greater than 50mph
Vecu-Stop Re-Directional and Bi-Directional Crash Cushion - Model P100/2:13 and V100/4:13	100km/h	Re - Direction Zone Class - Z4 Lateral Displacement Zone Class - D2	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	For use on roads with a speed limit of 50mph or less
Vecu-Stop Temporary Crash Cushion	100km/h	Re - Direction Zone Class - Z4 Lateral Displacement Zone Class - D2	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	Not applicable - temporary use only	For use on roads with a speed limit of 50mph or less
EuroTRACC 110 re-directional and bi-directional crash cushion	110 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	A	Asset International (a division of Hill & Smith) Springvale Avenue Bilston, Wolverhampton WV14 0QL Tel: 01902 499402 Fax: 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007	For use on roads with a speed limit greater than 50mph
EuroTRACC 80 re-directional and bi-directional crash cushion	80 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	A	Asset International (a division of Hill & Smith) Springvale Avenue Bilston, Wolverhampton WV14 0QL Tel: 01902 499402 Fax: 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk		

Crash Cushion Name	Performance Level	Redirection Zone and Lateral Displacement Classes	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
EuroTRACC 110 Wide re-directional and bi-directional crash cushion	110 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B	Asset International (a division of Hill & Smith) Springvale Avenue Bilston, Wolverhampton WV14 0QL Tel: 01902 499402 Fax: 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007	For use on roads with a speed limit greater than 50mph
EuroTRACC 80 Wide re-directional and bi-directional crash cushion	80 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B	Asset International (a division of Hill & Smith) Springvale Avenue Bilston, Wolverhampton WV14 0QL Tel: 01902 499402 Fax: 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007	For use on roads with a speed limit greater than 50mph
QuadGuard™ CEN re-directional and bi-directional crash cushion	110 km/h 100 km/h 80 km/h 50 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1 Redirection zone class - Z1 Lateral displacement zone class - D1 Redirection zone class - Z1 Lateral displacement zone class - D1 Redirection zone class - Z1 Lateral displacement zone class - D1	B B B B	Asset International (a division of Hill & Smith) Springvale Avenue Bilston, Wolverhampton WV14 0QL Tel: 01902 499402 Fax: 01902 402104 email: customer-enquiry@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007+A1:2008	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
Quest™ CEN re-directional and bi-directional crash cushion	110 km/h 100 km/h 80 km/h	Redirection zone class - Z2 Lateral displacement zone class - D2 Redirection zone class - Z2 Lateral displacement zone class - D2 Redirection zone class - Z1 Lateral displacement zone class - D1	B B A	Asset International (a division of Hill & Smith) Springvale Avenue Bilston, Wolverhampton WV14 0QL Tel: 01902 499402 Fax: 01902 402104 email: customer-enquiry@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	EN1317-5:2007	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
EuroSmart re-directional crash cushion	110km/h 100km/h 80km/h 50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z2 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B B A A	Hardstaff Barriers Limited Hillside Gotham Road Kingston on Soar Nottinghamshire NG11 0DF Tel. 01159832300 email: awatson@hardstaffbarriers.com Web site: http://www.hardstaffbarriers.com/	EN1317-5:2007 + A2:2012/AC:2012	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
TAU Bi-Directional and Re-Directional Parallel Crash Cushions	110km/h 100km/h 80km/h 50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B B B B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk		For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
TAU Bi-Directional and Re-Directional Medium Crash Cushions	110km/h 100km/h 80km/h 50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B B B B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk		For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
TAU Bi-Directional and Re-Directional Large Crash Cushions	110km/h 100km/h 80km/h 50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1 Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B B B B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk		For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less

Crash Cushion Name	Performance Level	Redirection Zone and Lateral Displacement Classes	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
TAU Bi-Directional and Re-Directional X-Large Crash Cushions	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk		For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
TAU Tube P110 Crash Cushion	110km/h	Re - Direction Zone Class - Z2 Lateral Displacement Zone Class - D1	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk		For use on roads with a speed limit greater than 50mph
SMA Crash Cushions	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B	Industry AMS Srl Via Eduardo De Filippo, 11 80013 Casalnuovo Italy Tel: 0823 821560 Fax: 0823 821067 email: r.impero@amssrl.com web site: www.smaroadsafety.com	EN1317-5:2007+A2:2012	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
SMA WL Crash Cushions	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B	Industry AMS Srl Via Eduardo De Filippo, 11 80013 Casalnuovo Italy Tel: 0823 821560 Fax: 0823 821067 email: r.impero@amssrl.com web site: www.smaroadsafety.com	EN1317-5:2007+A2:2012	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			

Crash Cushion Name	Performance Level	Redirection Zone and Lateral Displacement Classes	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
SMA SLIM Crash Cushions	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B	Industry AMS Srl Via Eduardo De Filippo, 11 80013 Casalnuovo Italy Tel: 0823 821560 Fax: 0823 821067 email: r.impero@amssrl.com web site: www.smaroadsafety.com	EN1317-5:2007+A2:2012	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
SMA WIDE Crash Cushions	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B	Industry AMS Srl Via Eduardo De Filippo, 11 80013 Casalnuovo Italy Tel: 0823 821560 Fax: 0823 821067 email: r.impero@amssrl.com web site: www.smaroadsafety.com	EN1317-5:2007+A2:2012	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
SMA SEMI-WIDE Crash Cushions	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B	Industry AMS Srl Via Eduardo De Filippo, 11 80013 Casalnuovo Italy Tel: 0823 821560 Fax: 0823 821067 email: r.impero@amssrl.com web site: www.smaroadsafety.com	EN1317-5:2007+A2:2012	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
CRASHGUARD 6S Family P800-6S P1100-6S V1850-6S V2700-6S	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B	Saferoad UK Concord House, Bessemer Way Scunthorpe North Lincolnshire DN15 8XE Tel: 01724289119 Fax: 01724281478 email: graeme.sheffield@saferoad.co.uk web site: www.saferoaduk.co.uk	EN1317-5:2007+A2:2012/AC:2012	For use on roads with a speed limit greater than 50mph
	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	110km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
CRASHGUARD 5S Family P800-5S P1100-5S V1850-5S V2700-5S	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	A	Saferoad UK Concord House, Bessemer Way Scunthorpe North Lincolnshire DN15 8XE Tel: 01724289119 Fax: 01724281478 email: graeme.sheffield@saferoad.co.uk web site: www.saferoaduk.co.uk	EN1317-5:2007+A2:2012/AC:2012	For use on roads with a speed limit of 50mph or less
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	A			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	A			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	A			
Cushion Tank System	110km/h	Re - Direction Zone Class - Z4 Lateral Displacement Zone Class - D6	B	Shindo Industry Co Ltd 922-3 Dongpae-Ri Gyoha-eup Paju-city Gyeonggi-Do 413-834 Korea Tel: 82-31-9438008 Fax: 82-31-9490013 Email: trading@moosago.com	EN1317-5:2007+A1:2008	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z2 Lateral Displacement Zone Class - D1	B			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			
	50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	B			

Crash Cushion Name	Performance Level	Redirection Zone and Lateral Displacement Classes	Impact Severity Level	Name and Address of Promoter	Version of EN1317-5 to which the system was CE marked	Comments
EU CCS II	110km/h	Re - Direction Zone Class - Z2 Lateral Displacement Zone Class - D1	A	Shindo Industry Co Ltd 922-3 Dongpae-Ri Gyohe-eup Paju-city Gyeonggi-Do 413-834 Korea Tel: 82-31-9438008 Fax: 82-31-9490013 Email: trading@moosago.com	EN1317-5:2007+A1:2008	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100km/h	Re - Direction Zone Class - Z2 Lateral Displacement Zone Class - D1	A			
	80km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	A			
	50km/h	Re - Direction Zone Class - Z1 Lateral Displacement Zone Class - D1	A			
EuroTRACC 110 re-directional and bi-directional crash cushion	110 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	A	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.highwayguardrail.com	EN1317-5:2007	For use on roads with a speed limit greater than 50mph
EuroTRACC 80 re-directional and bi-directional crash cushion	80 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	A			
EuroTRACC 110 Wide re-directional and bi-directional crash cushion	110 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.highwayguardrail.com	EN1317-5:2007	For use on roads with a speed limit greater than 50mph
EuroTRACC 80 Wide re-directional and bi-directional crash cushion	80 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B			
QuadGuard™ CEN re-directional and bi-directional crash cushion	110 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	EN1317-5:2007+A1:2008	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B			
	80 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B			
	50 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	B			
Quest™ CEN re-directional and bi-directional crash cushion	110 km/h	Redirection zone class - Z2 Lateral displacement zone class - D2	B	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	EN1317-5:2007	For use on roads with a speed limit greater than 50mph For use on roads with a speed limit of 50mph or less
	100 km/h	Redirection zone class - Z2 Lateral displacement zone class - D2	B			
	80 km/h	Redirection zone class - Z1 Lateral displacement zone class - D1	A			
Fitch Universal Module System	100 km/h	Redirection zone class - Z1	A	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	EN1317-5:2007	For use on roads with a speed limit of 50mph or less

END OF CRASH CUSHION SECTION - RETURN TO CONTENTS

TERMINALS

The following Terminals for safety barriers have been successfully tested to meet the requirements of DD ENV 1317 - 4 and have been accepted for use on the Highways England Trunk Road Network for the Performance Class and Permanent Lateral Displacement Zone (PLDZ) Class Code stated below.

The Terminals shall comply with the manufacturer's Specification, component descriptions and Installation procedures.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

Additional information on Exit Box and Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

Installers shall have successfully undertaken suitable training for the system to be installed.

Note: please refer to Table 6, DD ENV 1317 - 4 for PLDZ and Class Codes for terminals. The values of Displacement (measured in metres) Da and Dd are converted to Class Code x and y. Therefore Class Code D1.1 (where 'D' is displacement) represents 0.5m displacement (x), measured from the traffic face of the barrier towards the traffic, and 1.0m (y) measured from the traffic face of the barrier to the rear of the barrier. D1.3 represents a displacement of 0.5m in front of the barrier and 3.5m to the rear of the barrier.

Terminal Name	Performance Class	PLDZ Class	Exit Box Class/Vehicle Redirection Zone	Impact Severity Level	Name and Address of Promoter	Comments
SLED Euro terminal (connected to VarioGuard)	P4	D2.4	Z2	B	Acklea Ltd/Traffic Devices Unit 1 Clark Avenue Porte Marsh Industrial Estate Clane Wiltshire SN11 9RD Tel. 01249 822 600 Fax. 01249 820 111 email: andy.dougan@acklea.biz	50mph or more
SLED Euro terminal (connected to BarrierGuard)	P4	D2.4	Z2	B	Acklea Ltd/Traffic Devices Unit 1 Clark Avenue Porte Marsh Industrial Estate Clane Wiltshire SN11 9RD Tel. 01249 822 600 Fax. 01249 820 111 email: andy.dougan@acklea.biz	50mph or more
Brifen P4 Wire Rope End Terminal for Brifen 4 Rope Safety Fence	P4 H1	D.1.1	Z1	A	Brifen (A Division of Hill and Smith) Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	50mph or more

Terminal Name	Performance Class	PLDZ Class	Exit Box Class/Vehicle Redirection Zone	Impact Severity Level	Name and Address of Promoter	Comments
Brifen P4 Wire Rope End Terminal for Brifen 3 Rope Safety Fence	P4	D.1.1	Z1	A	Brifen (A Division of Hill and Smith) Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	50mph or more
Single Sided Xtension P4 Terminal (Xtension 110 Terminal)	P4	D.1.1	Z2	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	50mph or more
Double Sided Xtension P4 Terminal (also known as the X-Tension 110 Double Sided P4 Terminal (XT-DS110))	P4	D.1.1	Z2	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	50mph or more
Double Sided Xtension P4 Terminal connected to Double Sided Flexbeam N2W1, N2W2 or N2W3 safety barrier	P4	D.1.1	Z2	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	50mph or more

Terminal Name	Performance Class	PLDZ Class	Exit Box Class/Vehicle Redirection Zone	Impact Severity Level	Name and Address of Promoter	Comments
Double Sided Xtension P4 Terminal connected to Vetex Single Sided N2W1, N2W2 or N2W3 safety barrier	P4	D.1.1	Z2	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	50mph or more
Double Sided Xtension P4 Terminal connected to Vetex Double Sided N2W1, N2W2 or N2W3 safety barrier	P4	D.1.1	Z2	B	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	50mph or more
ABC Terminal	P4	D.1.1	Z1	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	50mph or more
Euro ET End Terminal	P4	D.1.3	Z1	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	50mph or more, verge only
Flex-Beam Double Sided P1 End Terminal	P1	D.1.1	Z1	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	Less than 50mph, or on the departure end of a safety barrier not facing oncoming traffic where the speed limit is 50mph or more.

Terminal Name	Performance Class	PLDZ Class	Exit Box Class/Vehicle Redirection Zone	Impact Severity Level	Name and Address of Promoter	Comments
Flex-Beam Single Sided P1 End Terminal	P1	D.1.1	Z1	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	Less than 50mph, or on the departure end of a safety barrier not facing oncoming traffic where the speed limit is 50mph or more.
Hill and Smith 'Safety Line' Wire Rope Safety Fence Terminal	P1	D.1.1	Z1	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	Less than 50mph, or on the departure end of a safety barrier not facing oncoming traffic where the speed limit is 50mph or more.
Euro BXT Terminal	P4	D2.3	Z1	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	50mph or more
TREND CEN End Terminal	P4	D.1.1	Z2	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	50 mph or more
TREND CEN DS Double Sided End Terminal	P4	D.1.1	Z2	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	50 mph or more

Terminal Name	Performance Class	PLDZ Class	Exit Box Class/Vehicle Redirection Zone	Impact Severity Level	Name and Address of Promoter	Comments
Terminale 110	P4	D1.1	Z1	B	Industry AMS SRL Apartment 3 72 Park Road South Prenton CH43 4UY Tel. 0044 (0)151 6511557 Mobile: 0044 (0)780 3399013 Email: sales@safetrafficEurope.com	50mph or more
Sistema P4 Performance Terminal	P4	D1.2	Z1	B	Distributed by: Ferrostrada (UK) Limited Venlaw House Burstow Road Heywood South Norfolk IP22 5SX Web site: www.ferrostrada-uk.com Tel: 01379 308 051 Fax: 01379 308 053 Email: jferro@ferrostrada-uk.com Contact: Jason Ferro	50mph or more
OBEX MT P4 Terminal	P4	D1.2	Z2	B	Obex Systems Ltd Unit 232 Blanchardstown Corporate Park 2 Blanchardstown Dublin 15 Republic of Ireland Tel: +353 (0)1 8665151 Web: www.obexsystems.com	50mph or more
SafeEnd P1 terminal	P1	D1.1	Z1	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	Less than 50mph, or on the departure end of a safety barrier not facing oncoming traffic where the speed limit is 50mph or more.
SafeEnd P4	P4	D1.1	Z1	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	50mph or more

Terminal Name	Performance Class	PLDZ Class	Exit Box Class/Vehicle Redirection Zone	Impact Severity Level	Name and Address of Promoter	Comments
SafeEnd T110	P4	D.1.1	Z1	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	50mph or more
Tata Steel Vetex P1 End Terminal	P1	D.1.1	Z1	A	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	Less than 50mph, or on the departure end of a safety barrier not facing oncoming traffic where the speed limit is 50mph or more.
TREND CEN End Terminal	P4	D.1.1	Z2	A	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	50 mph or more
TREND CEN DS Double Sided End Terminal	P4	D.1.1	Z2	B	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	50 mph or more
Euro ET End Terminal	P4	D.1.3	Z1	A	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.highwayguardrail.com	50 mph or more, verge only

Terminal Name	Performance Class	PLDZ Class	Exit Box Class/Vehicle Redirection Zone	Impact Severity Level	Name and Address of Promoter	Comments
Euro BXT End Terminal	P4	D2.3	Z1	B	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.highwayguardrail.com	50 mph or more
ABC End Terminal	P4	D.1.1	Z1	B	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	50 mph or more

Terminals detailed in the NPSBS, such as those for TCB and OBB, are deemed acceptable for use on the Highways England Trunk Road Network on roads with a speed limit less than 50 mph. In addition the terminals can be used on the departure end of safety barriers where the terminal does not face oncoming traffic and the speed limit is 50mph or more.

These terminals do not need a Departure from Standard submission, as they have proven in-service use over a number of years.

Please contact the Promoter's of DROBB, OBB and TCB listed in the Safety Barrier section for further information.

Installers shall have successfully undertaken suitable training for the system to be installed.

END OF TERMINAL SECTION - RETURN TO CONTENTS

TRANSITIONS

The following Transitions have been successfully tested and/or independently assessed against the requirements of ENV 1317 - 4 and have been accepted for use on the Highways England Trunk Road Network for the Containment Performance Class and Working Width Class stated below.

The Transition shall comply with the manufacturer's specification, component descriptions and Installation procedures. Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

Installers shall have successfully undertaken suitable training for the system to be installed.

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Varioguard Transition (Transition between VarioGuard and safety barrier)	N2	W2	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Open Box Beam (OBB) and Double Sided OBB (DSOBB) to Steel Step Barrier (SSB) transition	N2	Contact the promotor	Contact the promotor	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Single sided Flexbeam to Varioguard transition	N2	Contact the promotor	Contact the promotor	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Double sided Flexbeam to Varioguard transition	H1	Contact the promotor	Contact the promotor	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Concrete Step Barrier type 5 to Steel Step Barrier transition (including Steel Step Corridor)	H2	Contact the promotor	Contact the promotor	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
BRITTRANS' Open Box Beam to Wire Rope Safety Fence Transition	N2	W6	A	Brifen (A Division of Hill and Smith) Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
Britpave Concrete Step Barrier to Open Box Beam Transition	N2	Contact the promotor	Contact the promotor	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	
Britpave Concrete Step Barrier to Britpave Steel Step Barrier Transition	H2	Contact the promotor	Contact the promotor	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: info@bbsbarriers.com Web site: www.bbsbarriers.com	
Delta Bloc EP-REP/CJO/EOS	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
DB80AS-E to single sided OBB transition	N2	Contact promoter	Contact promoter	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DB80 6m to single sided OBB transition	N2	Contact promoter	Contact promoter	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DB80E to double sided OBB transition	N2	Contact promoter	Contact promoter	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DB80 6m to double sided OBB	N2	Contact promoter	Contact promoter	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DELTA BLOC In Situ 90 Step to DB80E 6m K150 transition	H2	W4	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	Use of this transition must be with the agreement of the Overseeing Organisation (refer to TD19/06, Section 6.6).
DELTA BLOC In Situ 90 Step to DB80 6m K180 transition	H2	W4	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	Use of this transition must be with the agreement of the Overseeing Organisation (refer to TD19/06, Section 6.6).

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
DELTA BLOC In Situ 90 Step to DB90 Step 6m K220 transition	H2	W4	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	Use of this transition must be with the agreement of the Overseeing Organisation (refer to TD19/06, Section 6.6).
DB SafeLink Transition DB80 to DB80E (DB / 6m T180S to DB80E)	H2	W5	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	Use of this transition must be with the agreement of the Overseeing Organisation (refer to TD19/06, Section 6.6).
(DB / 6m T150S to DB80E)	H1	W4	C		
DB SafeLink Transition (DB100S to DB90 Step)	H2	W4	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	Use of this transition must be with the agreement of the Overseeing Organisation (refer to TD19/06, Section 6.6).
DELTA BLOC Single row DB90 Step 6m K220 to double row DB80 AS-E 6m K180S (bifurcation)	H2	W1	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	Use of this transition must be with the agreement of the Overseeing Organisation (refer to TD19/06, Section 6.6).
DELTA BLOC Single row DB80E 6m K150S to double row DB80 AS-E 6m K180S (bifurcation)	H2	W1	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
EP80B-E to DB 80AS-E	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
EP80B-E to CSB profile	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
EP80B-E to rigid structures	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Single row EP80B-E to double row DB80AS-E (bifurcation)	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Single row EP80B-E to double row EP80B-E (bifurcation)	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
DB80-E to EP80Ba transition	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DB100S to EP80Ba transition	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DB80AS-E to rigid structures 500mm wide	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
EP80B-E to rigid structures over 1.0m wide	H2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
EP80B to double sided OBB	N2	Contact the promotor	Contact the promotor	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DELTA BLOC EP-REP DELTA BLOC EP-CJO DELTA BLOC EP-EOS	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
DELTA BLOC EP 80B/EP 80B-E to single sided OBB transition	N2	Contact promoter	Contact promoter	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DELTA BLOC EP 80B/EP 80B-E to double sided OBB transition	N2	Contact promoter	Contact promoter	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DELTA BLOC EP 80B/EP 80B-E to DELTA BLOC DB 80AS-E transition	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DELTA BLOC EP 80B/EP 80B-E to DELTA BLOC DB 80AS-E transition	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DELTA BLOC EP 80B/EP 80B-E to DELTA BLOC DB 80AS-E transition	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DELTA BLOC EP 80B/EP 80B-E to CSB transition	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
DELTA BLOC EP 80B/EP 80B-E to CSB transition	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
EP 80B/EP 80B-E to rigid structure transition	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Single row DELTA BLOC EP 80B/EP 80B-E to double row DELTA BLOC EP 80B/EP 80B-E (bifurcation)	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
Single row DELTA BLOC EP 80B/EP 80B-E to double row DELTA BLOC DB 80AS-E (bifurcation)	H2	W2	B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
SAB Gate Connection to CSB	H2	Contact the promotor	Contact the promotor	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Barrierguard 800 connection to GA/72 and GA/74	N2	Contact the promotor	Contact the promotor	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	
Barrierguard Gate connection to GA/72 and GA/74	N2	Contact the promotor	Contact the promotor	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	
S.A.B Gate connection to GA/74	N2	Contact the promotor	Contact the promotor	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	
Single Sided Xtension P4 terminal (X-Tension 110 Single Sided P4 Terminal) to Flexbeam Transition	N2	Contact the promotor	Contact the promotor	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Tranzflex 80 N2W2 FlexBeam to Varley and Gulliver N1W2 VGSN 800 vertical infill parapet Transition	N1	Contact the promotor	Contact the promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.
Tranzflex 100 N2 Flexbeam to Single Sided H1/H2 Flexbeam Plus Transition	N2	W2	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
Tranzflex 110 N2 Flexbeam to N1 W1 VGSN 500 Parapet Transition	N1	W2	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.
Tranzflex 115 N2W2 Flexbeam to Varley and Gulliver N2W2 VGSN 900 series parapet	N2	W2	Contact the promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
Tranzflex 120 N2 Flexbeam to N2 W1 VGSN 1000 Parapet Transition	N2	W2	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Tranzflex 130 N2 Flexbeam to N1 W2 VGAN 500 Parapet Transition	N1	W2	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	Note: Only permitted for use on roads where a speed limit of less than 50 mph is operative.
Tranzflex 140 N2 Flexbeam to N2 W2 VGAN 1000 Parapet Transition	N2	W2	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
Tranzflex 150 N2 Flexbeam to H2 W3 VGSH 2000 Parapet Transition	N2	W2	Refer to Promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
Tranzflex 155 N2W2 Flexbeam to Varley and Gulliver H2W1 VarleyGuard parapet transition	N2	W2	Refer to Promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
Tranzflex 160 N2 Flexbeam to H4a W3 V6Guard Parapet Transition	N2	W2	Refer to Promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Tranzflex 170 N2 Flexbeam to Varley and Gulliver H4aW4 VGSN 4000 Parapet Transition	N2	W2	Refer to Promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
Tranzflex 200 N2 W4 Double sided FlexBeam to H2 W5 Double sided Bri-Flex Transition	N2	W3	B	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
HCD GA35 - Single Sided Open Box Beam (SS OBB) to Single Sided Double Rail Open Box Beam (SS DROBB) Transition	H1	W5	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
HCD GA85 - Single Sided Double Rail Open Box Beam (SS DROBB) to Higher Vertical Concrete Barrier (HVCB) Transition	H1	W2	C*	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	*Approval of the Overseeing Organisation
HCD GA90 - Higher Vertical Concrete Barrier (HVCB) to Single Sided Double Rail Open Box Beam (SS DROBB) Transition at Departure End	H1	W2	Refer to Promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
THE N2 FLEXBEAM SINGLE SIDED TO DOUBLE SIDED CORRUGATED BEAM TRANSITION	N2	W4	A	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
N2W4 FLEXBEAM DOUBLE SIDED TO N2W2 SINGLE SIDED CORRUGATED BEAM TRANSITION	N2	W4	Refer to Promotor	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	
MegaFlex to BACO parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
MegaFlex to BD52/93 steel parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
MegaFlex to 100 series parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
MegaFlex to Alcan parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
MegaFlex to Lindley parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
MegaFlex to H2 Orsta parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
MegaFlex to Phoenix N1 parapet transition	N1	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
MegaFlex to Phoenix N2 parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
MegaFlex to Sicuro parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
MegaFlex to SN1 parapet transition	N1	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	Note: Only permitted for use on roads where road works are being undertaken and a speed limit of less than 50 mph is operative.
MegaFlex to SN2 parapet transition	N2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
1.5m high MegaGuard to H4a Concrete Barrier connection	H2	Contact the promotor	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
H1W4 MegaRail to H1W4 DROBB safety fence transition	H1	W4	Contact the promotor	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
MegaGuard to concrete structure connection	H2	Contact the promoter	Contact the promoter	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Mannaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 Fax. 01724 281478 email: enquiries@saferoaduk.co.uk	
VT100 Vetex to Protect 365 Transition	N2	W3	B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	
Vetex N2W2 Safety Fence to Protect 365 N2W3 or N2W4 Transition	N2	W3	B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	
Protect 365 N2 Safety Fence to Protect 365 N2 Parapet transition	N2	W3	B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	
Protect 365 N2 to H4a Steel Parapet Transition	N2	W1	B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	
Protect 365 H4a Parapet to Protect 365 N2 Parapet Transition	N2	W2	B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	

Transition Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
Vetex N2 Safety Fence to Protect 365 N2 Safety Fence Transition	N2	W2	B	Tata Steel Construction Products Llanwern Works Newport South Wales NP19 4QZ Tel. 01633 290011 email: cep.sales@tatasteel.com	
TSS Vario - Transition between German B-profile safety fence and TSS Softbaer concrete barrier	H2	W5	B	Technische Sicherheits-Systeme (TSS) GmbH Alfred Schutte-Allee 10 D-50679 Cologne Germany Tel. +49 221 980601 Fax. 49 221 9806490 email: edouard.cuijpers@tss-koeln.de	
Connection Between VGSH 4000 and VGSN 1000 VRS systems	N2	Contact the promotor	Contact the promotor	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	
Connection Between VGSH 4000 and VGSN 800 VRS systems	N1	Contact the promotor	Contact the promotor	Varley and Gulliver Ltd Alfred Street Sparkbrook Birmingham B12 8JR Tel. (0121) 773 2441 email: darren@v-and-g.co.uk	

Transitions detailed in the NPSBS (Revision 1) are deemed acceptable for use on the Highways England Trunk Road Network, without the need for a Departure from Standard submission, as

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SAFETY BARRIER GATES

The following Safety Barrier Gates have been successfully tested to meet the requirements of BS EN 1317- 1 and 2 and DD ENV 1317 - 4 and have been accepted for use on the Highways England Trunk Road Network for the Containment Performance Class and Working Width Class stated below.

The Safety Barrier Gates shall comply with the manufacturer's specification, component descriptions and Installation procedures. Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

Installers shall have successfully undertaken suitable training for the system to be installed.

Safety Barrier Gate Name	Containment Level	Working Width Class	Impact Severity Level	Name and Address of Promoter	Comments
SOLOGUARD Emergency and Maintenance Crossing Point System	H1	W5	B	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Gateguard Removal Barrier System	H2	W7	B	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	
S-A-B Class H2 Gate (For emergency and maintenance cross over points)	H2 H1	For 2-3 elements: W4 For 4-25 elements: W6	B B	Snoline spa, represented by: Highway Care Ltd. The Highlands Detling Hill Detling Hill Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	

The following Safety Barrier Gates have the same profile and performance characteristics of their compliant BS EN 1317 safety barriers which are deemed acceptable for use on the Highways England Trunk Road Network for the Containment Performance Class and Working Width Class stated below. The Safety Barrier Gates shall comply with the manufacturer's specification, component descriptions and Installation procedures. Further information on Impact Severity Levels for the product and copies of documents and drawings can be obtained from the Promoter.

Safety Barrier Gate Name	Containment Level	Working Width Class	Severity Level	Name and Address of Promoter	Comments
Steel Step Corridor System (For Emergency and Maintenance Crossing Points)	H2	W2	Refer to Promoter	Asset International (A Division of Hill and Smith) Springvale Avenue Bilston Wolverhampton WV14 0QL Tel. 01902 499402 Fax. 01902 402104 email: peter@hill-smith.co.uk Web Site: www.asset-vrs.co.uk	
Steel Step Barrier Gate (For Emergency Crossing Points)	H2	W2	Refer to Promoter	Britpave Barrier Systems Ltd Atrium Court The Ring Bracknell Berkshire RG12 1BW Tel. 01344 393300 email: bbsinfo@britpave.org.uk Web site: www.britpavebarriersystems.com	
DB SafeGate DB80 6m K180	H2 H1	W6 W4	B B	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	
DB SafeGate DB100S 6m K220	H2	W5	A	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	

Safety Barrier Gate Name	Containment Level	Working Width Class	Severity Level	Name and Address of Promoter	Comments
DB SafeGate DB90 Step 6m K220	H2	W6	C	DELTA BLOC UK Ltd Unit A Fox Way Trinity Business Park Waldorf Way Wakefield, WF2 8EE Tel. 0845 30 40 705 Fax. 0845 30 40 706 email: tony.walker@deltabloc.co.uk Web site: www.deltabloc.co.uk	The installation of safety barriers with an ASI Class of C must be with the agreement of the Overseeing Organisation (refer to TD19/06, Sections 3.6 and 3.7).
Barrierguard 800 Gate (For Emergency and Maintenance Crossing Points), including connection to corrugated W-beam safety fencing	N2	W5	Refer to Promoter	Highway Care Ltd. The Highlands	
	H2	W8	Refer to Promoter	Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	
SafeRoad Steel Step Barrier Gate	H2	W2	Refer to Promoter	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	

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MISCELLANEOUS

The following products have been accepted for use on the Highways England Road Network and are for use in conjunction with vehicle restraint systems.

Essential characteristic information only is provided and confirmation is required that the system selected complies fully with all Highways England contractual conditions and requirements as detailed in the DMRB, MCHW, and any contract specific or site specific documentation.

Product	Impact Severity Level	Name and Address of Promoter	Comments
BikeGuard (Motorcyclist Protection System fitted to safety barriers)	A	Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	BikeGuard may be fitted to any UK system listed in the Non-Proprietary Safety Barrier Systems (NPSBS). It may also be fitted to any other system in the Highways England Approved Road Restraint System List providing that Highway Care Limited first obtains the approval of the Promoter/Manufacturer of the safety barrier system BikeGuard is to be attached to.
FlexGuard (Motorcyclist Protection System fitted to safety barriers)	As per the host safety barrier	Hill and Smith Springvale Business and Industrial Park Bilston Wolverhampton West Midlands WV14 0QL Tel: 01902 499400 Fax: 01902 499419 Email: technical@hill-smith.co.uk Web: www.hill-smith.co.uk	Motorcyclist Protection System fitted to TCB, OBB, FlexBeam/FlexBeam Plus (both single and double sided versions of these systems), the Hill and Smith H1/H2 safety barrier, and the Briflex vehicle restraint system.
MegaRail es with a motorcyclist protection device	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	N2W2, CE marked system

Product	Impact Severity Level	Name and Address of Promoter	Comments
ESP 4.0 UFS Bikeguard	A	SafeRoad UK Ltd. Dragonby Vale Enterprise Park Manaberg Way Scunthorpe North Lincolnshire DN15 8XF Tel. 01724 289119 email: enquiries@saferoaduk.co.uk	N2W2, CE marked system

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TRUCK MOUNTED ATTENUATORS (LORRY MOUNTED CRASH CUSHIONS)

The following Truck Mounted Attenuators (TMAs) [also known as Lorry Mounted Crash Cushions (LMCCs)] meet the requirements of TD 49/07 and hence, have demonstrated compliance with a 1500kg car impact at the speed of the performance class. They may be used on the Highway England Trunk Road Network provided that a special dispensation order known as a Vehicle Special Order (VSO) is obtained from the Department for Transport. In addition a Vehicle Inspectorate Form VTG 10 will need to be filed if the TMA is fitted with an auto impact brake system.

The TMA shall comply with the manufacturer's Specification, component descriptions and Installation procedures. Copies of documents and drawings can be obtained from the Promoter.

TMA/LMCC Name	Name and Address of Promoter	Comments
Scorpion Lorry Mounted Crash Cushion	Acklea Ltd. Unit 1 Clark Avenue Porte Marsh Industrial Estate Clane Wiltshire SN11 9RD Tel. 01249 822 600 Fax. 01249 820 111 email: andy.dougan@acklea.biz	<i>For use on roads with a speed limit of 70mph or less</i>
MPS-350 Lorry Mounted Crash Cushion	King Highway Products Ltd. Riverside Market Harborough Leicestershire LE16 7PX Tel. 08707 475969 Fax. 08707 475970 email: sales@kinghighway.co.uk	<i>For use on roads with a speed limit of 70mph or less</i>

TMA/LMCC Name	Name and Address of Promoter	Comments
Vorteq™ Trailer	King Highway Products Ltd. Riverside Market Harborough Leicestershire LE16 7PX Tel. 08707 475969 Fax. 08707 475970 email: sales@kinghighway.co.uk	<i>For use on roads with a speed limit of 70mph or less</i>
SafeStop Lorry Mounted Crash Cushion	King Highway Products Ltd. H1 Market Harborough Leicestershire LE16 7PX Tel. 08707 475969 Fax. 08707 475970 email: sales@kinghighway.co.uk	<i>For use on roads with a speed limit of 70mph or less</i>
MPS-350 Lorry Mounted Crash Cushion	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	<i>For use on roads with a speed limit of 70mph or less</i>
Vorteq™ Trailer	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	<i>For use on roads with a speed limit of 70mph or less</i>

TMA/LMCC Name	Name and Address of Promoter	Comments
SafeStop Lorry Mounted Crash Cushion	Trinity Highway Products International Crown House, Crown Street Ipswich IP1 3HS Tel: 01473 221105 Fax: 01473 221106 Email: europe.sales@trin.net Website: www.energyabsorption.com	<i>For use on roads with a speed limit of 70mph or less</i>
IP70	Verdegro Distributed in the UK by: Highway Care Ltd. The Highlands Detling Hill Detling Maidstone Kent ME14 3HT Tel. 01622 734215 Fax. 01622 735106 email: info@highwaycare.co.uk Web site: www.highwaycare.co.uk	<i>For use on roads with a speed limit of 70mph or less</i>

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