

# EC Certificate of Conformity



**0888-CPD-0162**

Watling Street  
Nuneaton  
CV10 0TU  
UK

**Revision 1**

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In compliance with the Directive 89/106/EEC of the Council of the European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of the European Communities of 22 July 1993, it is stated that the construction product:

## **Vehicle Restraint System QuadGuard CEN Redirective Crash Cushion**

Whose characteristics are described in Technical Documentation QG01 rev 1 dated 6<sup>th</sup> April 2009 and whose performance under impact are detailed in the attached annex

placed on the market by:

**Quixote Europe, Inc  
Crown House  
Crown Street  
Ipswich  
IP1 3HS, United Kingdom**

and produced in the factory:

**Energy Absorption Systems, Inc  
250 Bamberg Drive  
Pell City  
AL 35125  
Alabama  
United States of America**


is submitted by the manufacturer to a factory production control system (FPC) and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body MIRA Limited has performed the initial type-testing for the relevant characteristics of the products, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard:

**EN 1317-5: 2007**

Have been applied and that the products fulfil all the prescribed requirements:

This certificate remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly and must be read in conjunction with a valid certificate of factory production control.

**Signed:**   
Jenny Andrews CEng, Head of Certification

**Date: 6<sup>th</sup> April 2009**

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Registered in England No. 402570. Registered Office: Watling Street · Nuneaton · Warwickshire · CV10 0TU  
Telephone: +44 (0)24 7635 5495 · Fax: +44 (0)24 7638 5495

## Annex to Certificate 0888-CPD-0162

### Revision 1 QuadGuard CEN Redirective Crash Cushion

Performance Class	ASI	Displacement Class	Redirection Zone
110km/h 8-bay	B	D1	Z1
100km/h 6-bay	B	D1	Z1
80km/h 5-bay	B	D1	Z1
50km/h 3-bay	B	D1	Z1

### QuadGuard CEN Model Number Description with Connection Panel Options

QIXXYC-ZZZ

where XX represents the system width

24	610mm	[24in]
30	760mm	[30in]
36	915mm	[36in]
69	1753mm	[69in]
90	2286mm	[90in]

where YY represents the performance level

03	50km/h	[31MPH]
05	80km/h	[50MPH]
06	100km/h	[62MPH]
08	110km/h	[69MPH]


where C represents the nose colour

G	GRAY
Y	YELLOW
B	BLACK

where -ZZZ represents the connection panel(s) provided (if any)

- WL to W-beam, left side only
- WR to W-beam, right side only
- WLR to W-beam, both left and right sides
- TL to Thrie beam, left side only
- TR to Thrie beam, right side only
- TLR to Thrie beam, both left and right sides
- SL to Safety-shaped barrier, left side only
- SR to Safety-shaped barrier, right side only
- SLR to Safety-shaped barrier, both left and right sides
- ESL to vertical concrete, left side only
- ESR to vertical concrete, right side only
- ESLR to vertical concrete, both left and right sides

Signed:

  
Jenny Andrews CEng, Head of Certification

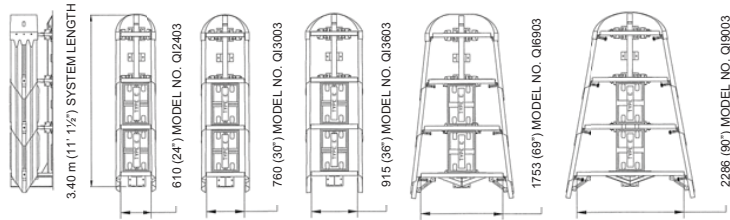
Date: 6<sup>th</sup> April 2009

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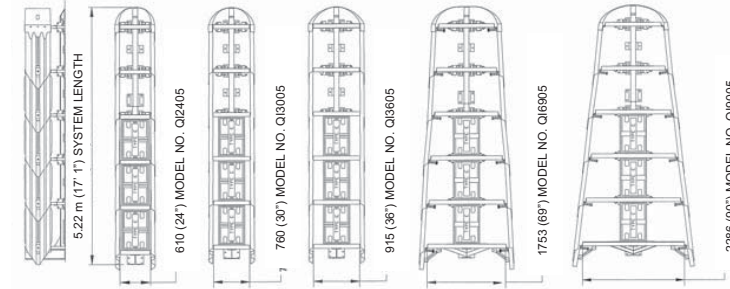
50 km/h level

(3-bay systems)



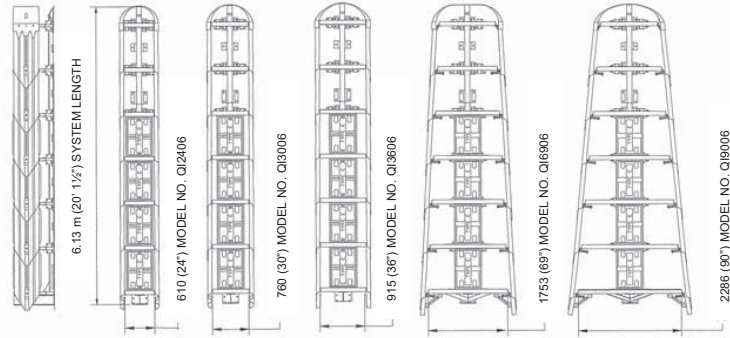
80 km/h level

(5-bay systems)



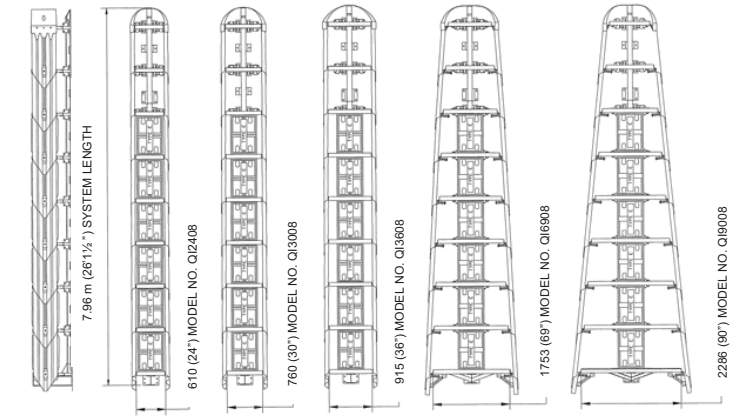
100 km/h level

(6-bay systems)



110 km/h level

(8-bay systems)



Dimensions for QuadGuard™ CEN family

**50km/h (3-bay systems)**

- QI2403: width 610 mm x length 3.40m
- QI3003: width 760 mm x length 3.40m
- QI3603: width 915 mm x length 3.40m
- QI6903: width 1753 mm x length 3.40m
- QI9003: width 2286 mm x length 3.40m
- Height of all 3-bay systems: 817mm

**80km/h (5-bay systems)**

- QI2405: width 610 mm x length 5.22m
- QI3005: width 760 mm x length 5.22m
- QI3605: width 915 mm x length 5.22m
- QI6905: width 1753 mm x length 5.22m
- QI9005: width 2286 mm x length 5.22m
- Height of all 5-bay systems: 817mm

**100km/h (6-bay systems)**

- QI2406: width 610 mm x length 6.13m
- QI3006: width 760 mm x length 6.13m
- QI3606: width 915 mm x length 6.13m
- QI6906: width 1753 mm x length 6.13m
- QI9006: width 2286 mm x length 6.13m
- Height of all 6-bay systems: 817mm

**110km/h (8-bay systems)**

- QI2408: width 610 mm x length 7.96m
- QI3008: width 760 mm x length 7.96m
- QI3608: width 915 mm x length 7.96m
- QI6908: width 1753 mm x length 7.96m
- QI9008: width 2286 mm x length 7.96m
- Height of all 8-bay systems: 817mm

## Modification History

### List of modifications

Correction of : - --

Modification of : - --

Addition of : - --

Deletion of : - --