

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Road restraint systems - Part 5: Product requirements and evaluation of conformity for vehicle restraint systems

Crash cushion for use in Vehicle Restraint System for circulations areas, with specification and performance as specified on page 2-3 in this certificate.

Product name: QuadGuard™ CEN Redirective Crash Cushion

placed on the market under the name or trademark of

Trinity Highway Products, LLC

2525 Stemmons Freeway
75207 Dallas Texas, United States

and produced in the manufacturing plants

Trinity Highway Products, LLC (Engineering), 3617 Cincinnati Ave, Rocklin California 95765, United States
Trinity Highway Products, LLC. 250 Bamberg Drive, Pell City, AL 35125 Alabama, United States
DTS Dynamic Traffic Systems, Qiaogi Industrial Park, Xuxiake Town, Jianglin City, Jiangsu Province, China

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standards

EN 1317-5:2007+A2:2012 and EN 1317-5:2007+A2:2012/AC:2012

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issue on 2019-09-24 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Issued by notified body 0402

The validity of this certificate can be verified on our website.

Johan Åkesson
Product Certification Manager

Martin Tillander
Project Manager

Certificate 0402-CPR-SC0121-19 | issue 1 | 2019-09-24

RISE Research Institutes of Sweden AB | Certification
Box 857, SE-501 15 Borås, Sweden
Phone: +46 10-516 50 00
certifiering@ri.se | www.ri.se



9P02552

Specification

QuadGuard™ CEN Redirective Crash Cushion

Model Number Description With Connection Panel Options

QIXXYC-ZZZ

Where XX represents the system width

24	610 mm	(24 in)
30	760 mm	(30 in)
36	915 mm	(36 in)
69	1753 mm	(69 in)
90	2286 mm	(90 in)

Where YY represents the performance level

03	50 km/h	(31 mph)
05	80 km/h	(50 mph)
06	100 km/h	(62 mph)
08	110 km/h	(69 mph)

Where C represents the nose color

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



Certificate 0402-CPR-SC0121-19 | issue 1 | 2019-09-24

RISE Research Institutes of Sweden AB | Certification

Product	Description	
QuadGuard™ CEN Redirective Crash Cushion (generic for all systems)	50 km/h (3-bay systems)	Length: 3400 mm Height: 817 mm
	80 km/h (5-bay systems)	Length: 5220 mm Height: 817 mm
	100 km/h (6-bay systems)	Length: 6130 mm Height: 817 mm
	110 km/h (8-bay systems)	Length: 7960 mm Height: 817 mm
50 km/h (3-bay systems)	QI2403	Width: 610 mm
	QI3003	Width: 760 mm
	QI3603	Width: 915 mm
	QI6903	Width: 1753 mm
	QI9003	Width: 2286 mm
80 km/h (5-bay systems)	QI2405	Width: 610 mm
	QI3005	Width: 760 mm
	QI3605	Width: 915 mm
	QI6905	Width: 1753 mm
	QI9005	Width: 2286 mm
100 km/h (6-bay systems)	QI2406	Width: 610 mm
	QI3006	Width: 760 mm
	QI3606	Width: 915 mm
	QI6906	Width: 1753 mm
	QI9006	Width: 2286 mm
110 km/h (8-bay systems)	QI2408	Width: 610 mm
	QI3008	Width: 760 mm
	QI3608	Width: 915 mm
	QI6908	Width: 1753 mm
	QI9008	Width: 2286 mm

Performance

Classification according to EN 1317-5:2007+A2:2012/AC:2012 (EN 1317-3:2010)

Product, model	Performance level	Impact severity	Redirection zone	Lateral displacement
110 km/h / 8-bay	110	B	Z1	D1
100 km/h / 6-bay	100	B	Z1	D1
80 km/h / 5-bay	80	B	Z1	D1
50 km/h / 3-bay	50	B	Z1	D1



Certificate 0402-CPR-SC0121-19 | issue 1 | 2019-09-24

RISE Research Institutes of Sweden AB | Certification