



CrashGuard

CE-certified crush cushions for modern infrastructure



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2026-08

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CrashGuard

All products have been tested in accordance with EN 1317-3 and certified in accordance with EN 1317-5 (CE).



Speed class 80 km/h

Model	Parallel	V-shape	Asymmetrical
3S	P800	V1850	-
	P1100	V2700	-
5S	P800	V1850	-
	P1100	V2700	-

Speed class 110 km/h

Model	Parallel	V-shape	Asymmetrical
6S	-	V4000	-
6S A	P800	V1850	V1850 L/R
	P1100	V2700	V2700 L/R

Alongside guardrails, terminals and transitions, crash cushions fall into the category of vehicle restraint systems. They are essential components of modern road safety infrastructure and serve to protect road users at particularly hazardous locations such as tunnel portals, the starts and ends of bridges, road narrowings, and junctions and exits.

To meet the different requirements of international road network, crash cushions are tested in accordance with EN 1317-3 across various performance classes. Unlike guardrail systems, classification is based on speed classes rather than containment levels. Further performance characteristics include:

- **Lateral displacement (D)**
- **Redirection zone (Z)**
- **Acceleration Severity Index (ASI)**

An established system in different European countries is the CrashGuard, which has proven itself as an innovative product family over several years.

Building on the success of the proven CrashGuard 3S, 5S, and 6S models, the portfolio has now been expanded with the new CrashGuard 6S-A series, offering an additional high-performance solution for modern roadside safety applications.

In the 110 km/h speed class, this series achieves impact severity level ASI A as well as classes D1 and Z1 – and this applies to all models in the series.

In addition to improved performance figures, the new generation of systems offers further technical innovations:

- **A standardised precast concrete foundation** for trapezoidal and parallel models reduces the time required to ensure site safety
- **Standardised segment dimensions** speed up repair and delivery times

Thanks to the improved performance and the additional possibilities offered by the CrashGuard 6S-A family, individual systems within the CrashGuard 6S product family are gradually being phased out.

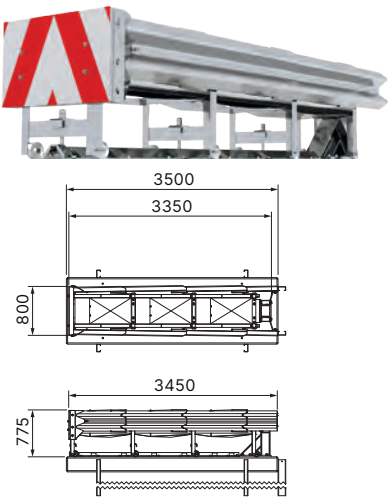
However, the product family has been expanded to include a new system.

With a width of over 4 m, the CrashGuard V4000-6S is a CE-certified solution for complex sites and challenging route layouts.



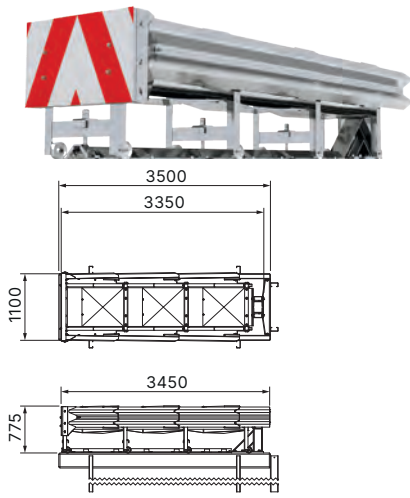
CrashGuard P800-3S

80 km/h | D1 | Z1 | B



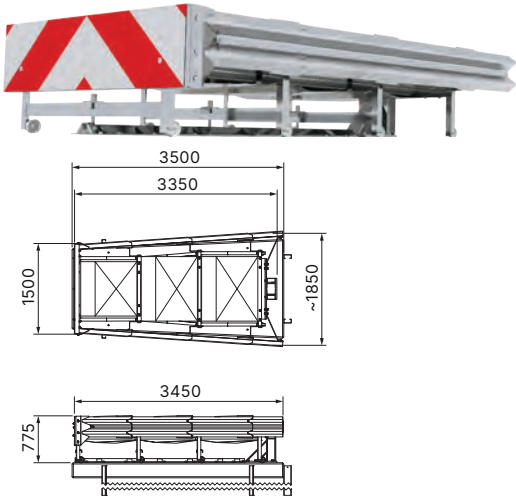
CrashGuard P1100-3S

80 km/h | D1 | Z1 | B



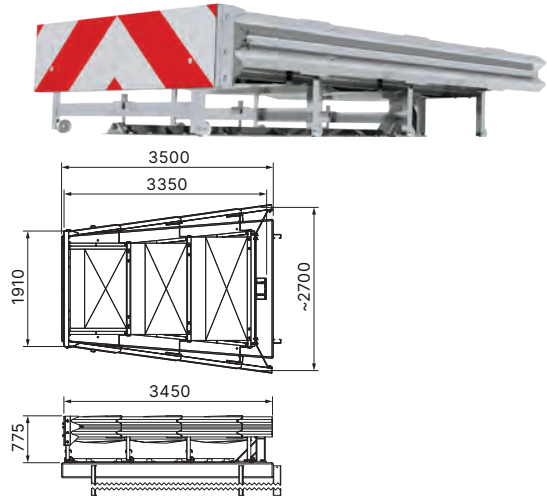
CrashGuard V1850-3S

80 km/h | D1 | Z1 | B



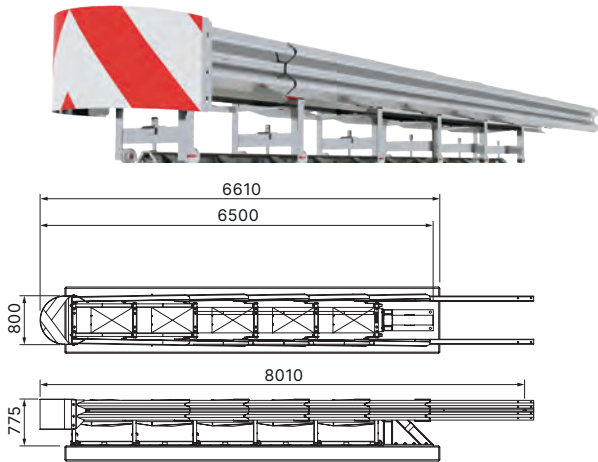
CrashGuard V2700-3S

80 km/h | D1 | Z1 | B



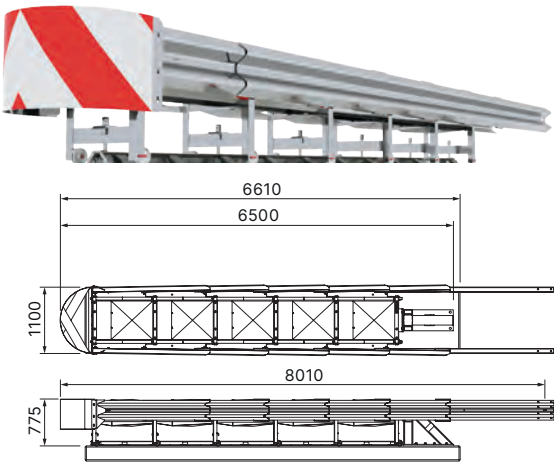
CrashGuard P800-5S

80 km/h | D1 | Z1 | A



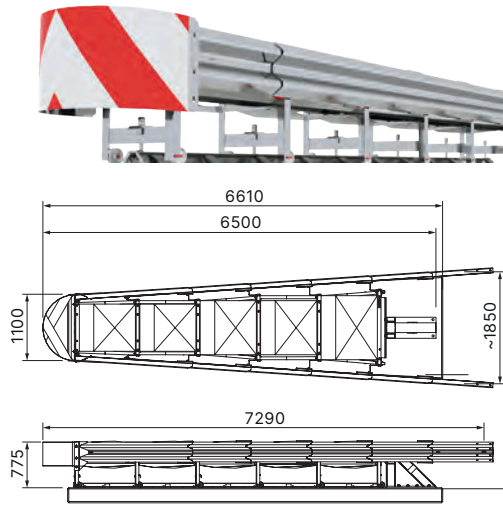
CrashGuard P1100-5S

80 km/h | D1 | Z1 | A



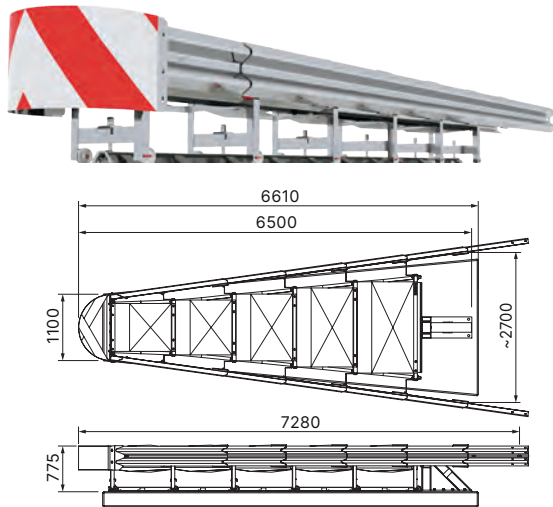
CrashGuard V1850-5S

80 km/h | D1 | Z1 | A



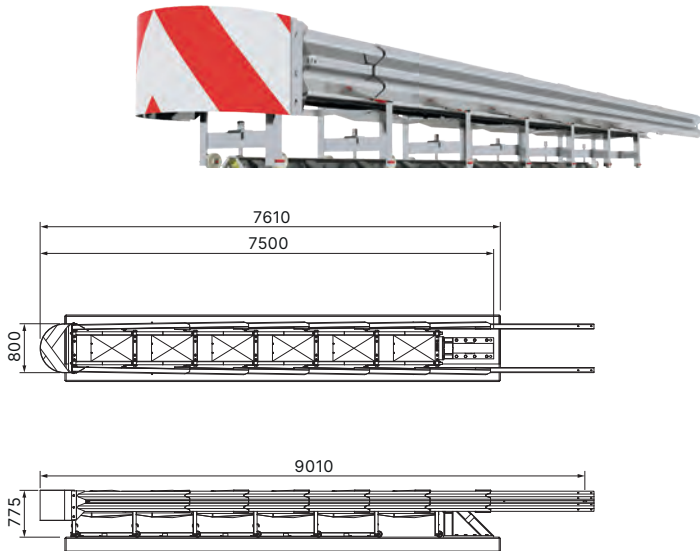
CrashGuard V2700-5S

80 km/h | D1 | Z1 | A



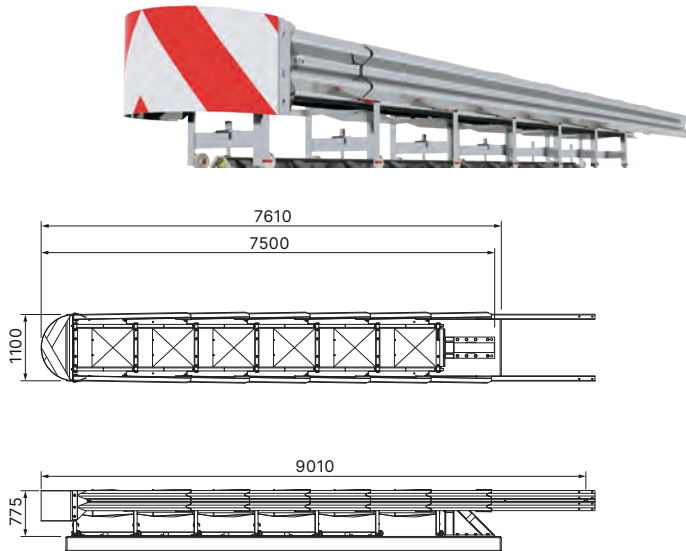
CrashGuard P800-6S-A

110 km/h | D1 | Z1 | A



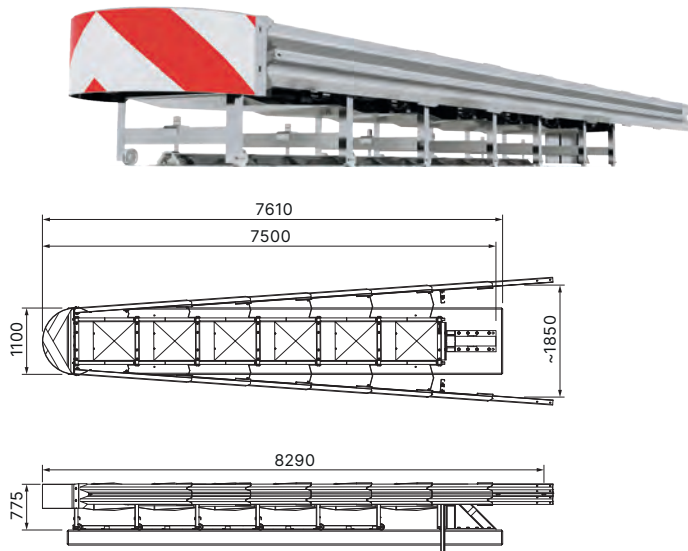
CrashGuard P1100-6S-A

110 km/h | D1 | Z1 | A



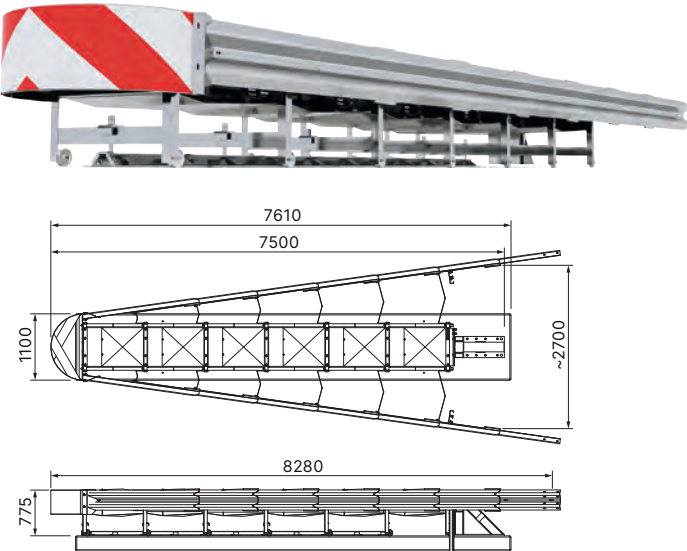
CrashGuard V1850-6S-A

110 km/h | D1 | Z1 | A



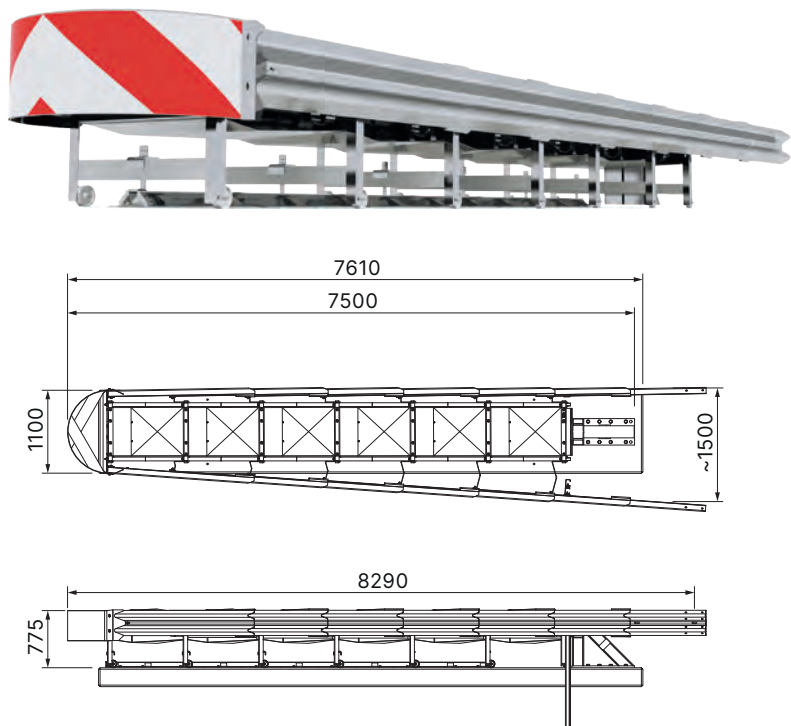
CrashGuard V2700-6S-A

110 km/h | D1 | Z1 | A



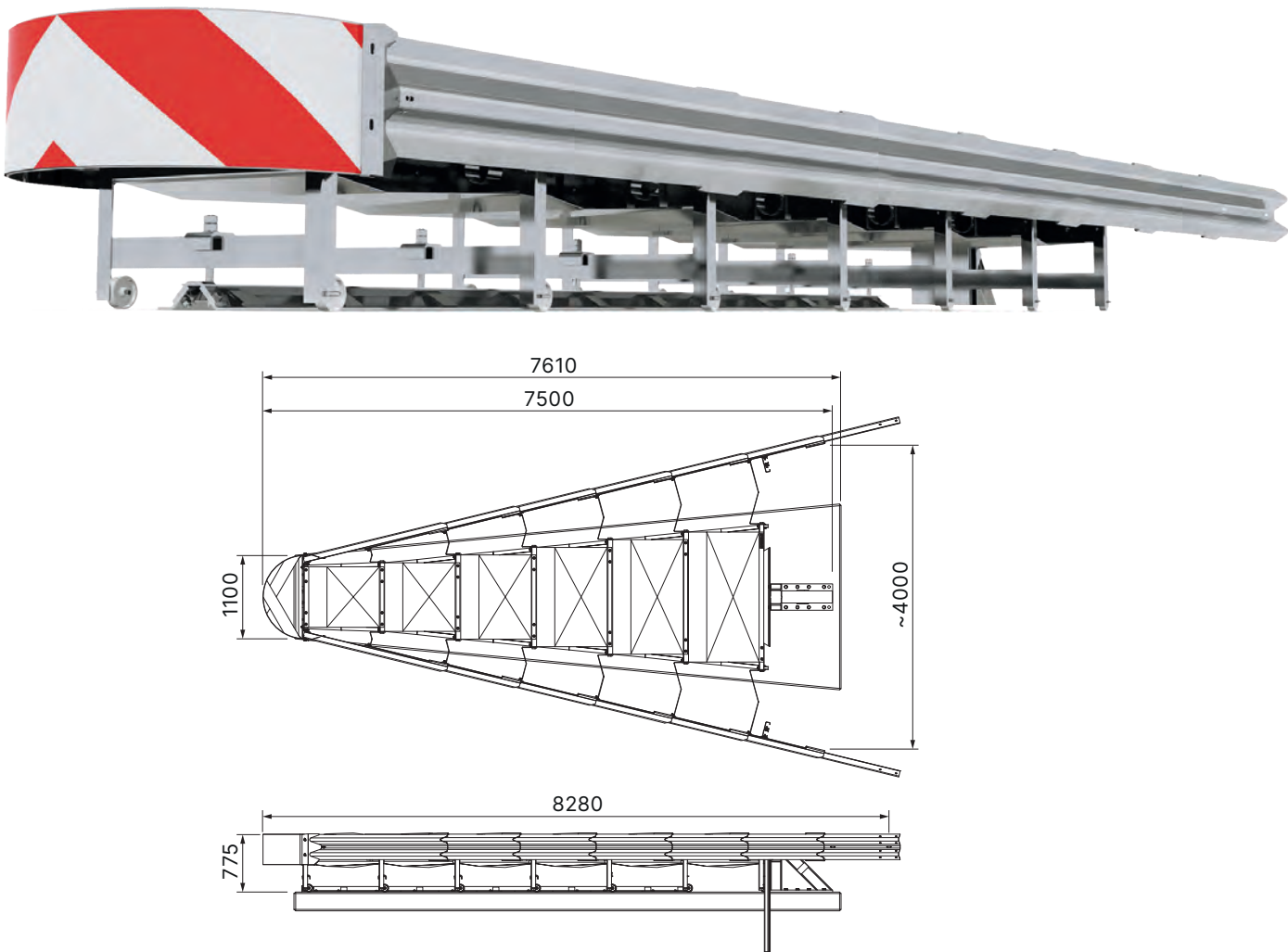
CrashGuard V1850-L/R-6S-A

110 km/h | D1 | Z1 | A



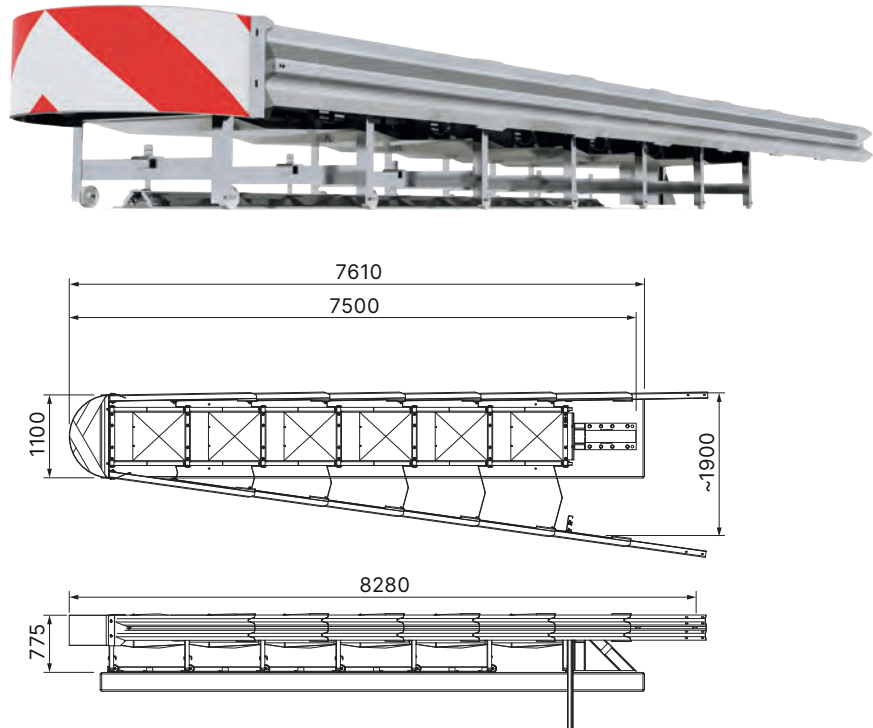
CrashGuard V4000-6S

110 km/h | D1 | Z1 | B



CrashGuard V2700-L/R-6S-A

110 km/h | D1 | Z1 | A



CrashGuard V4000-6S

Special situations require special solutions

However, rather than a bespoke design, the V4000-6S now offers a CE-certified solution for sites requiring a width of more than 4 m.

Combining the designs of the CrashGuard 6S and 6S-A series, this crash cushion achieves this exceptional width, thereby providing a solution for complex locations such as exits

with non-standard geometry, tapers and other challenging route configurations.

Thanks to its modular design, the tried-and-tested installation and repair procedures can still be carried out, ensuring maximum safety and operational efficiency.