

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

Safety barriers for use in vehicle restraint systems in circulation areas, with specifications and performances as specified on page 2 in this certificate.

### Product name: Vehicle parapet Z B5

placed on the market under the name or trademark of

**AB Varmförzinkning**

**Box 144**

**SE-333 23 Smålandsstenar, Sweden**

and produced in the manufacturing plant  
same as above

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 issued on 2013-06-26 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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

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Product Certification Manager

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Project Manager

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## Specifications

Product	Description
Z B5-1 Z B5-3 Z B5-4 Z B5-5 Z B5-6	Longitudinal beam: W-profile with U-section top rail Post distance: 1.8 m Beam height above road surface: 0.55 m (centre of W-profile) Post dimension: 55x55 mm Edge beam height: 0.10 m Foot plate (Z B5-3 and ZB5-4): 210x210x25 mm
Z B5-1, -3 and -5 Z B5-4 and -6	Barrier height above road surface: 1.20 m Barrier height above road surface: 1.40 m
Z B5-1 Z B5-3 Z B5-4 Z B5-5 Z B5-6	Steel post length: 1370 mm (casted in concrete) Steel post length: 1023 mm (welded to footplate) Steel post length: 1223 mm (welded to footplate) Steel post length: 2370 mm (grounded in soil) Steel post length: 2570 mm (grounded in soil)
Z B5-5 and -6	Grounded in soil (parts outside of the bridge): 1180 mm (min) of post length into soil

## Performances

### Classification according to EN 1317-5:2007+A2:2012/AC:2012 (EN 1317-2:2010)

Product	Containment level	Impact severity level	Normalized working width class [m]	Normalized dynamic deflection [m]	Normalized vehicle intrusion class [m]
Z B5-1* height 1.2 m post in concrete	H2	B	W3 (1.0)	0.8	VI3 (1.0)
Z B5-3 height 1.2 m footplate	H2	B	W3 (1.0)	0.8	VI3 (1.0)
Z B5-4 height 1.4 m footplate	H2	B	W3(1.0)	0.8	VI3 (0.9)
Z B5-5 height 1.2 m, post grounded in soil	H2	B	W3(1.0)	0.8	VI3 (1.0)
Z B5-6 height 1.4 m, post grounded in soil	H2	B	W3(1.0)	0.8	VI3 (1.0)

\*ITT

### Classification according to EN 1317-5:2007+A2:2012/AC:2012

Product	Durability	Resistance to snow removal
Z B5-1, -3, -4 and -5	Hot dip galvanized, acc. to EN ISO 1461	Class 3



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