



CERTIFIKAT

EC Certificate of Conformity No. 0402 – CPD – SC0075-11

In compliance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (the Construction Products Directive or CPD - implemented in Swedish law by BVL), as later amended, it has been stated that the construction product

Road restraint system – Vehicle parapet as specified in appendix to this certificate

Product name: Birsta Bridge W

**Variant 830-0000/0001, 830-0002, 830-0003/0004, 830-0005, 830-0006/0007,
830-0008, 830-0009/0010, 830-0011, 830-0012/0013 and 830-0016**

placed on the market by

**Birstaverken AB
Box 30, SE-863 22 SUNDSBRUK
Sweden**

and produced in the factories

Name and address as above, and at factories N1, C1, C2, C3, C4, C5, C6, P1
(factory code, company and address documented in files at SP)

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body

No. 0402 - SP Technical Research Institute of Sweden

has performed the initial type-testing for the relevant characteristics of the product, 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/A1:2008

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 15th January 2011 and 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 or at the latest until 15th January 2016. This is issue No. 6.

Borås 23rd May 2012

**SP Technical Research Institute of Sweden
Certification - Notified Body No. 0402**


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Swedish Notified Bodies are appointed by SWEDAC, the Swedish Board for Accreditation and Conformity Assessment, under the terms of Swedish legislation.

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Road restraint system – Vehicle parapet Bridge W according to EN 1317-5:2007/A1:2008

Classification according to EN 1317-2:1998/A1:2006

Product Birsta parapet Bridge W	Containment level	Impact severity level	Working width [m]	Dynamic deflection [m]
variant 830-0002 * Parapet height 1.20 m Edge beam height 100 mm	H2	B	1.0 (W3)	0.8
variant 830-0000/0001 Parapet height 1.20 m Edge beam height 100 mm	H2	B	1.0 (W3)	0.8
variant 830-0003/0004 Parapet height 1.40 m Edge beam height 100 mm	H2	B	1.0 (W3)	0.8
variant 830-0005 Parapet height 1.40 m Edge beam height 100 mm	H2	B	1.0 (W3)	0.8
variant 830-0006/0007 Parapet Height 1.20 m Edge beam height 0 mm	H2	B	1.0 (W3)	0.8
variant 830-0008 Parapet height 1.20 m Edge beam height 0 mm	H2	B	1.0 (W3)	0.8
variant 830-0009/0010 Parapet Height 1.40 m Edge beam height 0 mm	H2	B	1.0 (W3)	0.8
variant 830-0011 Parapet height 1.40 m Edge beam height 0 mm	H2	B	1.0 (W3)	0.8
variant 830-0012 Parapet height 1.20 m Guide rail (160 x 80 x 4) Edge beam height -100 mm	H2	B	1.0 (W3)	0.8
variant 830-0013 Parapet height 1.40 m Guide rail (160 x 80 x 4) Edge beam height -100 mm	H2	B	1.0 (W3)	0.8
variant 830-0016 Parapet height 1.20 -1.25 m Edge beam height 150 mm	H2	B	1.0 (W3)	0.8

* ITT

Product description and configuration

Product Birsta parapet Bridge W	Description
variant 830-0002 Parapet height 1.20 m Edge beam height 100 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail Steel post space CC 1.80 m Post length 1.37 m (post casted into concrete edge beam)
variant 830-0000/0001 Parapet height 1.20 m Edge beam height 100 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail Steel post space 1.80 m Post length 1.04 m (post welded to base plate)
variant 830-0003/0004 Parapet height 1.40 m Edge beam height 100 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail Steel post space 1.80 m Post length 1.24 m (post welded to base plate)
variant 830-0005 Parapet height 1.40 m Edge beam height 100 mm	W-profile steel rail (height 0.55 m) U-section top rail Steel post space 1.80 m Post length 1.57 m (post casted into concrete edge beam)
variant 830-0006/0007 Parapet Height 1.20 m Edge beam height 0 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail Steel post space 1.80 m Post length 1.14 (post welded to base plate)
variant 830-0008 Parapet height 1.20 m Edge beam height 0 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail Steel post space 1.80 m Post length 1.48 m (post casted into concrete edge beam)
variant 830-0009/0010 Parapet Height 1.40 m Edge beam height 0 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail Steel post space 1.80 m Post length 1.34 m (post welded to base plate)
variant 830-0011 Parapet height 1.40 m Edge beam height 0 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail Steel post space 1.80 m Post length 1.68 m (post casted into concrete edge beam)
variant 830-0012 Parapet height 1.20 m Guide rail (160 x 80 x 4) Edge beam height -100 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail Steel post space 1.80 m Post length 1.540 m (post casted into concrete edge beam)
variant 830-0013 Parapet height 1.40 m Guide rail (160 x 80 x 4) Edge beam height -100 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail Steel post space 1.80 m Post length 1.740 m (post casted into concrete edge beam)
variant 830-0016 Parapet height 1.20 -1.25 m Edge beam height 150 mm	W-profile steel rail (height 0.60 m above road surface) U-section top rail Steel post space 1.80 m Post length 1.04 -1.09 m (post welded to base plate)