



CERTIFIKAT

Certificate of constancy of performance 0402 - CPR - SC0075-11

In compliance with *Regulation 305/2011/EU 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 system – Vehicle parapet as specified in appendix to this certificate

for the intended use: In circulation areas.

Product name: Birsta Bridge W

Variants 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

produced by or for

Birstaverken AB
Box 30, SE-863 22 SUNDSBRUK
Sweden

and produced in the manufacturing plants

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)

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

EN 1317-5:2007/A2:2012

under system 1 for the performances set out in this certificate are applied and that

**the construction products fulfil the prescribed requirements
for the performances stated in the Annex to this certificate.**

This certificate was first issued on 2011-01-15 and will remain valid as long as the test methods and/or factory
production control requirements included in the harmonised standard, used to assess the performance of the
declared essential characteristics, do not change, and the construction product, and the manufacturing conditions
in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

2014-04-17

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



Lennart Aronsson
Product Certification Manager



Susanne Hansson
Certification Officer

SP Technical Research Institute of Sweden

Postal address	Phone / Fax	Reg. number	E-mail / Internet
Box 857	+46 10 516 50 00	556464-6874	info@sp.se
SE-501 15 Borås	+46 33 13 55 02		www.sp.se
SWEDEN			

4P03019-01

This is issue 7.

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

This certificate may not be reproduced other than in full, except with the prior written approval by SP.

Road restraint system – Vehicle parapet Bridge W according to EN 1317-5:2007/A2:2012

Product	Containment level	Impact severity level	Normalized working width class (m)	Normalized dynamic deflection [m]	Normalized vehicle intrusion class (m)
Birsta parapet Bridge W					
variant 830-0002 * Parapet height 1.20 m Edge beam height 100 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0000/0001 Parapet height 1.20 m Edge beam height 100 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0003/0004 Parapet height 1.40 m Edge beam height 100 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0005 Parapet height 1.40 m Edge beam height 100 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0006/0007 Parapet Height 1.20 m Edge beam height 0 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0008 Parapet height 1.20 m Edge beam height 0 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0009/0010 Parapet Height 1.40 m Edge beam height 0 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0011 Parapet height 1.40 m Edge beam height 0 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0012 Parapet height 1.20 m Edge beam height -100 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0013 Parapet height 1.40 m Edge beam height -100 mm	H2	B	W3 (1.0)	0.8	VI3 (1.0)
variant 830-0016 Parapet height 1.20 -1.25 m Edge beam height 150 mm	H2	B	W3 (1.0)	0.7	VI3 (1.0)

* ITT

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

Product	Resistance to snow removal class	Durability
Birsta parapet Bridge W	3	Hot dip galvanized, acc. to EN ISO 1461

Product description and configuration

Product	Description
Birsta parapet Bridge W	
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 Edge beam height -100 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail (160 x 80 x 4) 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 Edge beam height -100 mm	W-profile steel rail (height 0.55 m above road surface) U-section top rail, additional steel guide rail (160 x 80 x 4) 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)