



CERTIFIKAT

Certificate of constancy of performance

0402 - CPR - SC0644-10

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 – Safety barrier as specified in appendix to this certificate

Product name: Birsta 2P/DU Guardrail

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 according to separate list
(factory, company and address documented in files at SP)

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

EN 1317-5:2007/A1:2008

under system 1 are applied and that

the products fulfil all the prescribed requirements set out above.

This certificate was first issued on 2011-03-07 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 characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Borås 2013-11-20

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


Lennart Aronsson
Product Certification Manager


Susanne Hansson
Certification Officer

Road restraint system – Safety barrier

Birsta 2P/DU Guardrail according to EN 1317-5:2007/A1:2008

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

Product	Containment level	Impact severity level	Working width [m]	Dynamic deflection [m]
Birsta 2P/DU Guardrail CC 3 m (grounded in soil or with base plate)	N2	A	W4 (1.2)	1.0

Classification according to EN 1317-5:2007+A1:2008

Product	Durability
Birsta 2P/DU Guardrail CC 3 m	Hot dip galvanized, according to EN ISO 1461:2009 (SS-EN ISO 1461:2009, National Annex NA, Table NA.1, Fe/Zn 115)

Product description and configuration

Product	Description										
Birsta 2P/DU grounded in soil * Guardrail CC 3 m	<table> <tr> <td>Post distance</td> <td>3.00 m</td> </tr> <tr> <td>Height above road surface</td> <td>0.55 m (at center between tube rails)</td> </tr> <tr> <td>Post embedment</td> <td>1.26 m (min.)</td> </tr> <tr> <td>Post length</td> <td>1950 mm (rectangular steel C-shaped)</td> </tr> <tr> <td>Two tube rails on each side</td> <td>Ø 88.9 mm, thickness 3.2 mm</td> </tr> </table>	Post distance	3.00 m	Height above road surface	0.55 m (at center between tube rails)	Post embedment	1.26 m (min.)	Post length	1950 mm (rectangular steel C-shaped)	Two tube rails on each side	Ø 88.9 mm, thickness 3.2 mm
Post distance	3.00 m										
Height above road surface	0.55 m (at center between tube rails)										
Post embedment	1.26 m (min.)										
Post length	1950 mm (rectangular steel C-shaped)										
Two tube rails on each side	Ø 88.9 mm, thickness 3.2 mm										
Birsta 2P/DU with base plate ** Guardrail CC 3 m	<table> <tr> <td>Post distance</td> <td>3.00 m</td> </tr> <tr> <td>Height above road surface</td> <td>0.55 m (at center between tube rails)</td> </tr> <tr> <td>Post length</td> <td>635 mm (rectangular steel C-shaped)</td> </tr> <tr> <td>Two tube rails on each side</td> <td>Ø 88.9mm, thickness 3.2 mm</td> </tr> <tr> <td>Base plate</td> <td>205 x 120 x 15 mm</td> </tr> </table>	Post distance	3.00 m	Height above road surface	0.55 m (at center between tube rails)	Post length	635 mm (rectangular steel C-shaped)	Two tube rails on each side	Ø 88.9mm, thickness 3.2 mm	Base plate	205 x 120 x 15 mm
Post distance	3.00 m										
Height above road surface	0.55 m (at center between tube rails)										
Post length	635 mm (rectangular steel C-shaped)										
Two tube rails on each side	Ø 88.9mm, thickness 3.2 mm										
Base plate	205 x 120 x 15 mm										

* ITT ** when used on bridge, not for use on the outer edge beam