

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

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

SeriPole BIG signpost

Scope: Supports supplied for fixed vertical signs (ZA.2)

The product fulfils the essential characteristic:

See Annex 1

Intended use: Stock items (described by performance)

Placed on the market under the name or trade mark of:

**Seri Q Sign A/S
Stærmosegårdsvej 30
Odense M 5230**

and produced in the manufacturing plant:

CPA30002

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

EN 12899-1:2007 : **Fixed, vertical road traffic signs-Part 1: Fixed signs**

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: **2020-03-23**.

This certificate will remain valid as long as neither the harmonized 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

(This certificate supersedes the previous version of this certificate issued 2017-06-02)

This certificate was first issued 2017-06-02.



Allan Laursen
Responsible for evaluation



Merete Poulsen
Responsible for certification decision

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DBI Certification A/S

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 **DANAK**
Prod. Reg. Nr. 7023

Version 2019-10-02
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Annex 1

EXTENT

Type	Description																																																																																																																
Product identification incl. eventual variants (accepted by test lab) Dimensions: 190 x 190 mm SeriPole BIG signpost 190 x 280 mm SeriPole BIG signpost Material: Post: Aluminium Alloy: AW 6063 T66 Anodizing 20µm, nature Base Plate: Aluminium Alloy: AW 6082 T6, Anodizing 20µm, nature Spacer: Aluminium Alloy: AW 6082 T6, Coating: Non Pin bolt: Steel quality: Class 10.9 Coating: hot dip galvanized M16 nut: DIN 14399-4 Washer M16: EN 14399-6 FZV Pin Bolt are glued to the sign post. Tightened to 150 Nm. Maximum height: 8 m above base plate. Maximum area of sign to be mounted: 16,5 m² Lower edge of sign plate shall be at least 2 m above base plate unless otherwise evaluated	Resistance to horizontal loads: SeriPole BIG signpost with mounted base plate: <table><tr><th></th><th colspan="4">Bending</th><th colspan="2">Torsion</th></tr><tr><th>SeriPole BIG</th><th colspan="2">Moment capacity bending (M_u)</th><th colspan="2">Stiffness (EI)</th><th>Moment capacity torsion (T_u)</th><th>Stiffness (GJ_t)</th></tr><tr><th>mm</th><th colspan="2">kNm</th><th colspan="2">kNm²</th><th>kNm</th><th>kNm²</th></tr><tr><th></th><th>x-axis</th><th>y-axis</th><th>x-axis</th><th>y-axis</th><th></th><th></th></tr><tr><td>190 x 190</td><td>55.0</td><td>-</td><td>1833</td><td>-</td><td>11</td><td>380</td></tr><tr><td>190 x 280</td><td>91.0</td><td>-</td><td>4136</td><td>-</td><td>11</td><td>470</td></tr></table> SeriPole BIG signpost without mounted base plate: <table><tr><th></th><th colspan="4">Bending</th><th colspan="2">Torsion</th></tr><tr><th>SeriPole BIG</th><th colspan="2">Moment capacity bending (M_u)</th><th colspan="2">Stiffness (EI)</th><th>Moment capacity torsion (T_u)</th><th>Stiffness (GJ_t)</th></tr><tr><th>mm</th><th colspan="2">kNm</th><th colspan="2">kNm²</th><th>kNm</th><th>kNm²</th></tr><tr><th></th><th>x-axis</th><th>y-axis</th><th>x-axis</th><th>y-axis</th><th></th><th></th></tr><tr><td>190 x 190</td><td>73.2</td><td>38.9</td><td>2436</td><td>1295</td><td>34</td><td>928</td></tr><tr><td>190 x 280</td><td>124.6</td><td>54.6</td><td>6106</td><td>1834</td><td>52</td><td>1650</td></tr></table> Performance under vehicle impact, Passive safety with mounted base plate: <table><tr><th>SeriPole BIG mm</th><th>190 x 190</th><th>190 x 280</th></tr><tr><td>Speed class</td><td>100</td><td>100</td></tr><tr><td>Energy absorbing category</td><td>NE</td><td>NE</td></tr><tr><td>Occupant safety class</td><td>C</td><td>C</td></tr><tr><td>Backfill type</td><td>S</td><td>S</td></tr><tr><td>Collapse mode</td><td>SE</td><td>SE</td></tr><tr><td>Direction class</td><td>SD</td><td>SD</td></tr><tr><td>Risk of roof indentation</td><td>0</td><td>0</td></tr></table> General: Durability: <table><tr><td>Corrosion resistance (supports) Metal, Aluminium</td><td>SP1 for aluminium, pin bolts , washers and nuts. SP0 for spacer and top lid</td></tr></table> <table><tr><td>Resistance to penetration of dust and water</td><td>Top of signpost can be sealed with a lid. Supports can not be provided with compartments for electrical equipment.</td></tr></table>		Bending				Torsion		SeriPole BIG	Moment capacity bending (M _u)		Stiffness (EI)		Moment capacity torsion (T _u)	Stiffness (GJ _t)	mm	kNm		kNm ²		kNm	kNm ²		x-axis	y-axis	x-axis	y-axis			190 x 190	55.0	-	1833	-	11	380	190 x 280	91.0	-	4136	-	11	470		Bending				Torsion		SeriPole BIG	Moment capacity bending (M _u)		Stiffness (EI)		Moment capacity torsion (T _u)	Stiffness (GJ _t)	mm	kNm		kNm ²		kNm	kNm ²		x-axis	y-axis	x-axis	y-axis			190 x 190	73.2	38.9	2436	1295	34	928	190 x 280	124.6	54.6	6106	1834	52	1650	SeriPole BIG mm	190 x 190	190 x 280	Speed class	100	100	Energy absorbing category	NE	NE	Occupant safety class	C	C	Backfill type	S	S	Collapse mode	SE	SE	Direction class	SD	SD	Risk of roof indentation	0	0	Corrosion resistance (supports) Metal, Aluminium	SP1 for aluminium, pin bolts , washers and nuts. SP0 for spacer and top lid	Resistance to penetration of dust and water	Top of signpost can be sealed with a lid. Supports can not be provided with compartments for electrical equipment.
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Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
HORIBA MIRA Ltd	1212089-001-01 Vehicle Impact to EN 12767-2007 Mandatory Low Speed Test 35 km/h Seri Pole 190x280 Mast	2016-08-01
HORIBA MIRA Ltd	1212089-002-02 Vehicle Impact to EN 12767-2007 Speed Class Test 100 km/h Seri Pole 190x280 Mast	2017-03-10

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Annex 3

TECHNICAL BASIS

Title	Date
Seri Q Sign, SeriPole BIG Signpost version 1, Technical Documentation	2016-12-12
Mail Seri Q Sign (Anodizing)	2017-03-13
Translation of test reports for SeriPole sign posts Upgrading of vehicle impact from EN12767:2007 to EN12767:2019.	2019-12-25

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