

UKCA Certificate of Constancy of Performance

This is to certify that:

Hydro Extrusion Drunen B.V.
Alcoalaan 1
Drunen
5151 RW
The Netherlands

Holds Certificate Number:

0086 CPR 764442

In respect of:

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

In compliance with the Regulation (UK) Statutory Instrument 2019 No 465 of the United Kingdom Parliament (Construction Products (Amendment etc.) (EU Exit) Regulations or CPR), this certificate applies to the above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) 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 the date below and will remain valid as long as neither the designated standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the approved product certification body.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):

Shahm Barhom, Group Product Certification Director

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No. 0086 CPR 764442

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

Products:

Table ZA.2 – Relevant clauses for supports supplied for fixed vertical signs

Construction product: Supports supplied for fixed vertical signs

Intended Use: Stock items (described by performance)

A. Supports for use with fixed vertical road traffic signs

Including among others signal heads according to BS EN 12368:2015 and variable message traffic signs according to BS EN 12966:2014+A1:2018

Material – Extruded aluminium stepped or conical circular tubes

Grade – $f_y = 160 \text{ N/mm}^2$ (characteristic elastic limit)

Dimensions expressed in nominal diameter and nominal wall thickness

From 76mm by 2.5mm to 250mm by 4.0mm with

Structural Performance declared by the producer according to hEN12899-1:2007, §5

Durability: Resistance to corrosion – Aluminium: SP1 with or without

Performance under vehicle impact (Passive safety) for single post supports:

Product	Passive Safety according to BS EN 12767:2019 (*):
1. Nominal diameter / nominal wall thickness 250mm/4.0mm, with nominal height of 15m and all smaller members, but over 2m, supplied with internal shear mechanism and founded using backfill type X with a TOAD® (**), or a backfill type R (Rigid)	-50-NE-B-X-SE-MD-0 / 70-NE-B-X-SE-MD-0 / 100-NE-B-X-SE-MD-0 (***) -50-NE-B-R-SE-MD-0 / 70-NE-B-R-SE-MD-0 / 100-NE-B-R-SE-MD-0 (***)

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

Products (continued):

Product	Passive Safety according to BS EN 12767:2019 (*):
2. Nominal diameter / nominal wall thickness 165mm/3.3mm, with nominal height of 10m and all smaller members, but over 2m using Standard Soil or Rigid (backfill type S or R)	-70-NE-C-S-SE-MD-0 / 100-NE-C-S-SE-MD-0 (***) -70-NE-C-R-SE-MD-0 / 100-NE-C-R-SE-MD-0 (***)
3. Trade Name: MSI Neo Classic, Columns with a nominal height of 2m to 12m diameter 170mm to 200 mm, nominal wall thickness: profiled, founded: rigid, backfill type R.	-50-NE-C-R-SE-MD-0 (***) -70-NE-C-R-SE-MD-0 (***) -100-NE-C-R-SE-MD-0 (***)
(*) cf Table A.5, EXAMPLE 2 "A sign fixed on one side of the support structure should not be considered as a lack of symmetry (only the support structure should be considered in the evaluation) and could be classified as Bi- or Multidirectional without any other test"	
(**) as described in the specific report of the assessment of the performance prepared and issued by OCAB-OCBS for HYDRO EXTRUSION DRUNEN BV (dated 20141222)	
(***) These NE-classes also include, as BD , multilegged supports with clear distances greater than 1 600 mm (according to EN 12767:2019, Annex G.2.5 and Annex K note B; 1 600 mm = 1 500/cos20°)	
Use of Buchanan Computing Limited software	

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Products:

Table ZA.2 – Relevant clauses for supports supplied for fixed vertical signs

Construction product: Supports supplied for fixed vertical signs

Intended Use: Stock items (described by performance)

B. Supports for use with fixed vertical road traffic signs

Including among others signal heads according to BS EN 12368:2015 and variable message traffic signs according to BS EN 12966:2014+A1:2018

Material – Extruded aluminium stepped or conical circular tubes

Grade – $f_y = 160 \text{ N/mm}^2$ (characteristic elastic limit)

Dimensions expressed in nominal diameter and nominal wall thickness

Of 145mm by 3.0mm with

Structural Performance declared by the producer according to

hEN12899-1:2007, §5

Durability: Resistance to corrosion – Aluminium: SP1 with or without

Performance under vehicle impact (Passive safety) for shored up multi-legged supports:

Product	Passive Safety according to BS EN 12767:2019 (*):
4. Products made of multi-legged and shored up supports with nominal diameter / nominal wall thickness 145mm/3.0mm and an offset of 2250 at ground level, supplied with internal shear mechanisms in each leg, used for a maximum sign plate-height of totally 7.5m and all smaller heights, founded using backfill type X with a TOAD® (***) or a backfill type R (Rigid)	-100-NE-C-X-SE-BD-0 / 70-NE-C-X-SE-BD-0 / 50-NE-C-X-SE-BD-0 -100-NE-C-R-SE-BD-0 / 70-NE-C-R-SE-BD-0 / 50-NE-C-R-SE-BD-0
(***) as described in the specific report of the assessment of the performance prepared and issued by OCAB-OCBS for HYDRO EXTRUSION DRUNEN BV	
Use of Buchanan Computing Limited software	

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Products:

Table ZA.2 – Relevant clauses for supports supplied for fixed vertical signs

Construction product: Supports supplied for fixed vertical signs

Intended Use: Stock items (described by performance)

C. Supports for use with fixed vertical road traffic signs

Including among others signal heads according to BS EN 12368:2015 and variable message traffic signs according to BS EN 12966:2014+A1:2018

Material – Extruded aluminium stepped or conical circular tubes

Grade – $f_y = 160 \text{ N}$ or 260 N/mm^2 (characteristic elastic limit)

Dimensions expressed in nominal diameter and nominal wall thickness

From 76mm by 2.5mm to 330mm by 12.5mm with

Structural Performance declared by the producer according to hEN12899-1:2007, §5

Durability: Resistance to corrosion – Aluminium: SP1 with or without

Performance under vehicle impact (Passive safety)

Product	Passive Safety according to BS EN 12767:2019 (*):
5. Products with nominal height of 10m and all smaller members, but over 2m.	None declared.

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Products:

Table ZA.2 – Relevant clauses for supports supplied for fixed vertical signs

Construction product: Supports supplied for fixed vertical signs

Intended Use: Stock items (described by performance)

D. Supports for use with fixed vertical road traffic signs

Including among others signal heads according to BS EN 12368:2015 and variable message traffic signs according to BS EN 12966:2014+A1:2018

Material – Extruded aluminium stepped or conical circular tubes

Grade – $f_y = 160$ N (characteristic elastic limit)

Dimensions expressed in nominal diameter and nominal wall thickness
165mm by 3.3mm (family 6) 250mm by 4mm (family 7) with

Structural Performance declared by the producer according to
hEN12899-1:2007, §5

Durability: Resistance to corrosion – Aluminium: SP1 with or without

Performance under vehicle impact (Passive safety)

Product	Passive Safety according to BS EN 12767:2019 (*):
6. Products with above mentioned nominal diameter and nominal wall thickness (family 6), with maximum nominal height of 2.6m and all smaller members, but over 2m, with a top load of maximal 200kg founded using a backfill type R (Rigid) (***)	- 50-NE-C-R-SE-MD-0 / 70-NE-C-R-SE-MD-0 / 100-NE-C-R-SE-MD-0

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Products (continued):

Product	Passive Safety according to BS EN 12767:2019 (*):
7. Products with above mentioned nominal diameter and nominal wall thickness (family 7), with maximum nominal height of 2.6m and all smaller members, but over 2m, with a top load of maximal 200kg supplied with internal shear mechanism and founded using a backfill type R (Rigid) (****)	- 50-NE-B-R-SE-MD-0 / 70-NE-B-R-SE-MD-0 / 100-NE-B-R-SE-MD-0
(***) as described in the specific report of the assessment of the performance prepared and issued by OCAB-OCBS for HYDRO EXTRUSION DRUNEN BV (dated 20180511)	
(****) as described in the specific report of the assessment of the performance prepared and issued by OCAB-OCBS for HYDRO EXTRUSION DRUNEN BV (dated 20190226)	

Neither BSI nor the manufacturer can assume that in real conditions, the same performance as such recorded in the tests can be reproduced in all cases.

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Placed on the market by:

Hydro Extrusion Drunen B.V.
Alcoalaan 1
Drunen
5151 RW
The Netherlands

Manufactured by:

Pole Products
Alcoalaan 1
Drunen
5151 RW
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