

Issued on: 19.02.2025  
Valid until: undefined  
Version: 4

This certificate includes an annex and may only be reproduced in integrity.



**Certificate holder**

Hydro Extrusion Netherlands B.V.  
Alcoalaan, 1  
NL-5151 RW DRUNEN  
NETHERLANDS

**Manufacturing plant**

Hydro Extrusion Netherlands B.V.  
Alcoalaan, 1  
NL-5151 RW DRUNEN  
NETHERLANDS

## Certificate of constancy of performance no. 0965-CPR-12899/2915/915

In compliance with Regulation (EU) No. 305/2011 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

### Fixed, vertical road traffic signs - Supports for fixed vertical road traffic signs

placed on the market under the name or trade mark of the certificate holder and manufactured in the manufacturing plant mentioned on this certificate.

This certificate confirms that all provisions concerning the assessment and verification of constancy of performance (AVCP) described in Annex ZA of the standard

### EN 12899-1:2007

under system 1 for the performance set out in this certificate are applied and that the factory production control (FPC) conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

The first version of this certificate was issued by PROCERTUS or her legal predecessor on 9.7.2009. This certificate remains valid as long as neither the harmonised standard, the construction product, the methods for Assessment and Verification of Constancy of Performance (AVCP) nor the manufacturing conditions in the plant, are modified significantly, unless the certificate is suspended or withdrawn by PROCERTUS.

The validity of this certificate can be verified on <https://extranet-steel.procertus.be> or by scanning the QR code on this certificate.

Ir. C. Ladang  
General Manager

**Annex to the certificate of consistency of performance nr. 0965-CPR-12899/2915/915 delivered on 19.02.2025.**

**Certificate holder**

Hydro Extrusion Netherlands B.V.  
Alcoalaan, 1  
NL-5151 RW DRUNEN  
NETHERLANDS

This certificate has been drawn up for products whose performance has been assessed and whose consistency of performance has been confirmed, and which are described in this annex by means of identification data and when applicable an indication of the levels and classes in which their performance may be found.

The performance of the individual product is declared by the manufacturer by means of a declaration of performance which he draws up and makes available under his own responsibility.

## Product description

| Products  | Qualities and categories | Dimensions |
|---|--------------------------|------------|
| Harmonised standard under reference: hEN 12899-1:2007   |                          |            |
| <b>A. Supports for use with fixed vertical road traffic signs</b><br>including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 129661:2009<br><b>Material – Extruded aluminium stepped or conical circular tubes</b><br><b>Grade – <math>f_y = 160 \text{ N/mm}^2</math> (characteristic elastic limit)</b><br>Dimensions expressed in nominal diameter and nominal wall thickness<br><b>from 76 mm by 2.5 mm to 250 mm by 4.0 mm</b><br>with Structural Performance declared by the Producer according to hEN12899-1:2007, §5<br><br><b>Durability: Resistance to corrosion – Aluminium; SP1</b><br><b>With or without Performance under vehicle impact (passive safety) for single post supports:</b> |                          |            |
| 1. Products with nominal diameter / nominal wall thickness 250 mm / 4.0 mm, with nominal height of 15 m and all smaller members, but over 2 m, supplied with internal shear mechanism and founded using a backfill type X with a TOAD® (**) or a backfill type R (Rigid).<br><b>Passive safety according to EN 12767:2019 (*):</b> <ul style="list-style-type: none"> <li>50-NE-B-X-SE-MD-0 / 70-NE-B-X-SE-MD-0 / 100-NE-B-X-SE-MD-0 (***)</li> <li>50-NE-B-R-SE-MD-0 / 70-NE-B-R-SE-MD-0 / 100-NE-B-R-SE-MD-0 (***)</li> </ul>   |                          |            |
| 2. Products with nominal diameter / nominal wall thickness 165 mm / 3.3 mm, with nominal height of 10 m and all smaller members, but over 2 m using Standard Soil or Rigid (backfill type S or R).<br><b>Passive safety according to EN 12767:2019 (*):</b> <ul style="list-style-type: none"> <li>70-NE-C-S-SE-MD-0 / 100-NE-C-S-SE-MD-0 (***)</li> <li>70-NE-C-R-SE-MD-0 / 100-NE-C-R-SE-MD-0 (***)</li> </ul>  |                          |            |
| 3. Products with Trade Name: MSI Neo Classic, Columns with nominal height of 2 m to 12 m, diameter 170 mm to 200 mm, nominal wall thickness: profiled, founded: rigid, backfill type R.<br><b>Passive safety according to EN 12767:2019 (*):</b> <ul style="list-style-type: none"> <li>50-NE-C-R-SE-MD-0 (***)</li> <li>70-NE-C-R-SE-MD-0 (***)</li> <li>100-NE-C-R-SE-MD-0 (***)</li> </ul>   |                          |            |
| 4. Products with nominal diameter / nominal wall thickness 226 mm / 3.3 mm, with nominal height of 8 m and all smaller members, but over 2 m using Standard Soil (backfill type S).<br><b>Passive safety according to EN 12767:2019 (*):</b> <ul style="list-style-type: none"> <li>100-NE-C-S-SE-MD-0 (***)</li> </ul>   |                          |            |
| 5. Products with nominal diameter / nominal wall thickness 250 mm / 4.0 mm, with nominal height of 15 m and all smaller members, but over 2 m, supplied with internal shear mechanism and founded using Standard Soil (backfill type S) (****).<br><b>Passive safety according to EN 12767:2019 (*):</b> <ul style="list-style-type: none"> <li>50-NE-B-S-SE-MD-0 / 70-NE-B-S-SE-MD-0 / 100-NE-B-S-SE-MD-0 (***)</li> </ul>   |                          |            |
| (*) 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)   |                          |            |

| Products   | Qualities and categories | Dimensions |
|--|--------------------------|------------|
| Harmonised standard under reference: hEN 12899-1:2007  |                          |            |
| <p>and could be classified as Bi- or Multidirectional without any other test<br/>           (**) as described in the specific report of the assessment of the performance established by PROCERTUS.<br/>           (***) These NE-classes also include, as BD, multilegged supports with clear distances greater than 1600 mm (according to EN 12767:2019, Annex G.2.5 and Annex K note B; 1 600 mm = 1 500/cos20°)<br/>           (****) as described in the specific report of the assessment of the performance established by PROCERTUS (20250207)</p>   |                          |            |
| <p><b>B. Supports for use with fixed vertical road traffic signs</b><br/>           including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 129661:2009<br/> <b>Material – Extruded aluminium stepped or conical circular tubes</b><br/> <b>Grade – <math>f_y = 160 \text{ N/mm}^2</math> (characteristic elastic limit)</b><br/>           Dimensions expressed in nominal diameter and nominal wall thickness <b>of 145 mm by 3.0 mm</b><br/>           with Structural Performance declared by the Producer according to hEN12899-1:2007, §5</p> <p><b>Durability: Resistance to corrosion – Aluminium; SP1</b><br/> <b>With or without performance under vehicle impact (passive safety) for shored up multi-legged supports:</b></p> <p>1. Products made of multi-legged and shored up supports with nominal diameter / nominal wall thickness 145 mm / 3.0 mm and an offset of 2250 mm at ground level, supplied with internal shear-mechanisms in each leg, used for a maximum sign plate-height of totally 7.5 m and all smaller heights, founded using a backfill type X with a TOAD® (**) or a backfill type R (Rigid).</p> <p><b>Passive safety according to EN 12767:2019:</b></p> <ul style="list-style-type: none"> <li>• 100-NE-C-X-SE-BD-0 / 70-NE-C-X-SE-BD-0 / 50-NE-C-X-SE-BD-0</li> <li>• 100-NE-C-R-SE-BD-0 / 70-NE-C-R-SE-BD-0 / 50-NE-C-R-SE-BD-0</li> </ul> <p>(**) as described in the specific report of the assessment of the performance established by PROCERTUS.</p> |                          |            |
| <p><b>C. Supports for use with fixed vertical road traffic signs</b><br/>           including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 129661:2009<br/> <b>Material – Extruded aluminium stepped or conical circular tubes</b><br/> <b>Grade – <math>f_y = 160</math> or <math>260 \text{ N/mm}^2</math> (characteristic elastic limit)</b><br/>           Dimensions expressed in nominal diameter and nominal wall thickness <b>from 76 mm by 2.5 mm to 330 mm by 12.5 mm</b><br/>           with Structural Performance declared by the Producer according to hEN12899-1:2007, §5</p> <p><b>Durability: Resistance to corrosion – Aluminium; SP1</b><br/> <b>Without Performance under vehicle impact (passive safety)</b></p> <p>1. Products with nominal height of 10 m and all smaller members, but over 2 m.</p>   |                          |            |

| Products   | Qualities and categories | Dimensions |
|--|--------------------------|------------|
| Harmonised standard under reference: hEN 12899-1:2007  |                          |            |
| <p><b>D. Supports for use with fixed vertical road traffic signs</b><br/>         including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 129661:2009</p> <p><b>Material – Extruded aluminium stepped or conical circular tubes</b><br/> <b>Grade – <math>f_y = 160 \text{ N/mm}^2</math> (characteristic elastic limit)</b><br/>         Dimensions expressed in nominal diameter and nominal wall thickness<br/> <b>165 mm by 3.3 mm (D.1.)</b><br/> <b>250 mm by 4.0 mm (D.2.)</b><br/>         with Structural Performance declared by the Producer according to hEN12899-1:2007, §5</p> <p><b>Durability: Resistance to corrosion – Aluminium; SP1</b><br/> <b>With or without performance under vehicle impact (passive safety) for single post supports:</b></p> <p>1. Products with above mentioned nominal diameter and nominal wall thickness, with maximum nominal height of 2.6 m and all smaller members, but over 2 m, with a top load of maximal 200 kg founded using a backfill type R (Rigid) (***).</p> <p><b>Passive safety according to EN 12767:2019:</b></p> <ul style="list-style-type: none"> <li>50-NE-C-R-SE-MD-0 / 70-NE-C-R-SE-MD-0 / 100-NE-C-R-SE-MD-0</li> </ul> <p>2. Products with above mentioned nominal diameter and nominal wall thickness, with maximum nominal height of 2.6 m and all smaller members, but over 2 m, with a top load of maximal 200 kg supplied with internal shear mechanism and founded using a backfill type R (Rigid) (****).</p> <p><b>Passive safety according to EN 12767:2019:</b></p> <ul style="list-style-type: none"> <li>50-NE-B-R-SE-MD-0 / 70-NE-B-R-SE-MD-0 / 100-NE-B-R-SE-MD-0</li> </ul> <p>(***) as described in the specific report of the assessment of the performance established by PROCERTUS (20180511)<br/>         (****) as described in the specific report of the assessment of the performance established by PROCERTUS (20190226)</p> |                          |            |

| Products   | Qualities and categories | Dimensions |
|--|--------------------------|------------|
| Harmonised standard under reference: hEN 12899-1:2007  |                          |            |
| <p><b>E. Supports for use with fixed vertical road traffic signs</b><br/>         including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 129661:2009</p> <p><b>Material – Extruded aluminium circular profiles</b><br/> <b>Grade – <math>f_y = 215 \text{ N/mm}^2</math> (characteristic elastic limit)</b><br/>         Dimensions expressed in nominal diameter and nominal wall thickness<br/> <b>320 mm by 3.5 mm</b><br/>         with Structural Performance declared by the Producer according to hEN12899-1:2007, §5</p> <p><b>Durability: Resistance to corrosion – Aluminium; SP2</b><br/> <b>With or without performance under vehicle impact (passive safety) for single post supports:</b></p> <p>1. Products with Trade Name: HCP320 (High Capacity Post), diameter 320 mm, profiled, with nominal height of 8 m and all smaller members, but over 2 m using, founded using a backfill type R (Rigid) (*).</p> <p><b>Passive safety according to EN 12767:2019:</b></p> <ul style="list-style-type: none"> <li>• 50-NE-C-R-SE-MD-0 (**)</li> <li>• 70-NE-C-R-SE-MD-0 (**)</li> <li>• 100-NE-C-R-SE-MD-0 (**)</li> </ul> <p>(*) as described in the specific report of the assessment of the performance established by PROCERTUS (20230330)</p> <p>(**)These NE-classes also include, as BD, multilegged supports with clear distances greater than 1600 mm (according to EN 12767:2019, Annex G.2.5 and Annex K note B; <math>1\,600 \text{ mm} = 1\,500/\cos 20^\circ</math>)</p> |                          |            |