



# Certificate of constancy of performance

0402 - CPR - 496703

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

**Fixed, vertical road traffic signs – Part 1: Fixed signs –  
Support for fixed vertical signs**  
as specified in appendix to this certificate,  
for use in circulation areas

Product name: **Jerol HE Ø140 mm, Ø168 mm and Ø219 mm,  
fibre reinforced cylindrical polymer composite supports, including an internal belt**

produced by or for

**JEROL Industri AB**

**Verkstadsvägen 15, PO. Box 62, 815 22 Tierp, Sweden**

and produced in the manufacturing plant

**same as above**

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

**EN 12899-1:2007**

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

**the construction products fulfil the prescribed requirements for these performances.**

This certificate was first issued on 2009-11-12 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construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

2014-11-12

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

  
Lenhart Månsson  
Certification Manager

  
Susanne Hansson  
Certification officer



## Certificate of constancy of performance

0402 - CPR - 426703 Appendix

### Fixed, vertical road traffic signs – Part 1: Fixed signs – Support for fixed vertical signs – Jerol

Classification according to EN 12899-1:2007, Table ZA.2

Resistance to horizontal loads	Value		
	Jerol HE Ø140 mm	Jerol HE Ø168mm	Jerol HE Ø219 mm
Maximum bending moment, $M_u$ [kNm]	12.58	20.30	38.29
Stiffness for bending, $EI$ [kNm <sup>2</sup> ]	146.70	284.10	704.30
Maximum moment for torsion, $T_u$ [kNm]	13.50	21.67	40.34
Stiffness for Torsion, $GI_t$ [kNm <sup>2</sup> ]	36.93	71.53	177.35

Performance under vehicle impact (passive safety)	Value/description/class	
Passive safety according to EN 12767:2000	Ø140 mm, class:	70,HE,2
	Ø168 and 219 mm, class:	70,HE,1

Durability	Value/description/class
Corrosion resistance	Non-corrosive, PE covered GRP, class SP2

#### Product description

Dimensions for support Jerol HE*	Value		
	Jerol HE Ø140 mm	Jerol HE Ø168mm	Jerol HE Ø219 mm
Diameter $D_{outer}$ [mm]	140	168	219
Diameter $D_o$ [mm]	135	162	213
Diameter $D_i$ [mm]	115	140	190

\* Jerol HE design including an internal bolt

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