



# Certificate of constancy of performance

0402 - CPR - 496702

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 114, Jerol 140, Jerol 168, Jerol 219, Jerol 273**  
fibre reinforced cylindrical polymer composite supports

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 all the prescribed requirements for these performances.**

This certificate was first issued on 14<sup>th</sup> April 2009 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construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

2014-04-15

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

Lennart Arosson  
Product Certification Manager

Susanne Hansson  
Certification officer

# Certificate of constancy of performance

## 0402 - CPR - 496702 appendix

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

#### Classification

Resistance to horizontal loads	Value				
	Jerol 114	Jerol 140	Jerol 168	Jerol 219	Jerol 273
Maximum bending moment $M_u$ [kNm]	7.34	12.58	20.3	38.29	60.22
Stiffness for bending $EI$ [kNm <sup>2</sup> ]	69.7	146.7	284.1	704.3	1367.8
Maximum moment for torsion $T_u$ [kNm]	7.93	13.5	21.67	40.34	62.84
Stiffness for Torsion $GI_t$ [kNm <sup>2</sup> ]	17.56	36.93	71.53	177.35	344.43

Performance under vehicle impact (passive safety)	Value/description/class
Passive safety according to EN 12767:2000	100,NE,2

Durability	Value/description/class
Resistance to corrosion	Non-corrosive, PE covered GRP, class SP2

#### Product description

Dimensions	Value				
	Jerol 114	Jerol 140	Jerol 168	Jerol 219	Jerol 273
Diameter $D_{outer}$ [mm]	114	140	168	219	273
Diameter $D_o$ [mm]	110	135	162	213	263
Diameter $D_i$ [mm]	92	115	140	190	240

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**SP Technical Research Institute of Sweden**

Box 857, SE-501 15 Borås, Sweden

Phone: 010-516 50 00

E-mail/internet: info@sp.se, www.sp.se

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