

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 products

## Road restraint system – Part 5: Product requirement and evaluation of conformity for vehicle restraint systems

Safety barriers for use in vehicle restraint system in circulation areas, with specification and performance as specified on page 2 in this certificate.

### Product name: SPR4 N2 W4 Double Sided VRS

placed on the market under the name or trademark of

#### Hill and Smith LTD

Springvale Business and Industrial Park  
Bilston, Wolverhampton, WV14 0QL, United Kingdom

and produced in the manufacturing plants

same as above, and

Varley and Gulliver Limited, Ridgacre Road, UK.B71 1BB West Bromwich, United Kingdom

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

### EN 1317-5:2007+A2:2012 and EN 1317-5:2007+A2:2012/AC:2012

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 2020-06-29 and will remain valid as long as neither the harmonised 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Issued by notified body 0402

The validity of this certificate can be verified on our website.

Martin Tillander  
Director Product Certification

Certificate 0402-CPR-C500061 | issue 3 | 2021-11-29

RISE Research Institutes of Sweden AB | Certification

Box 857, SE-50115 Borås, Sweden

+46 10 516 50 00 | [certifiering@ri.se](mailto:certifiering@ri.se) | [www.ri.se](http://www.ri.se)

181389

This document is the property of RISE and may not be reproduced other than in full, except with the prior written approval by RISE

## Specification

### SPR4 N2 W4 Double Sided VRS

Height above road surface:	0.61 m (centre)
Post distance:	4.0 m
Rail:	W-profile beam 85 × 312 × 4304 mm, thickness 3.55 mm. Grade S275
Steel post:	Flexbeam Z-profile 125 × 44 mm, thickness 5 mm. Grade S355
Post length	Surface mounted 610 mm or 710 mm Concrete in 1160 mm Standard driven 1700 mm Long driven 1900 mm Extra long driven 2100 mm Bridge plate 750 mm
Foundation Type:	Sockets cast in continuous concrete plinth Sockets cast in individual concrete foundation Driven in soil Driven in socket Surface mounted
Post embedment:	min 450 mm

## Performance

### SPR4 N2 W4 Double Sided VRS

Containment level	N2
Impact severity level	A
Normalized working width class [m]	W4 (1.2)
Normalized dynamic deflection [m]	1.1
Durability	Hot dip galvanized, acc. to EN ISO 1461
Resistance to snow removal	Class 3