

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 systems - Part 5: Product requirements 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: Oppland FlexSafe Bridge guard rail FlexSafe - S, FlexSafe and FlexSafe H1400

placed on the market under the name or trademark of

**Oppland Stål AS**  
Ottadalsvegen 1630  
NO-2682 Lalm, Norway

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 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 2016-04-15 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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.

Lennart Aronsson  
Product Certification Manager

Martin Tillander  
Project Manager

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## Specification and Performance

Product: Bridge Guard Rail	Description of the product and configurations	
<b>FlexSafe - S</b>  H1200 CC 2 m Edge beam 100 mm	Post distance: 2.0 m Height from road surface: 1.2 m (total) 0.48, 0.71, 1.15 m Edge beam height: 100 mm Rail 3 circular closed section tubes: Upmost: Ø 101.6 mm, thickness 4 mm Two lower: Ø 114.3 mm, thickness 3 mm  Base plate: 200 × 200 × 20 mm Steel post: Rearward curved tube Ø 114.3 mm, thickness 5 mm Length 984 mm	
<b>FlexSafe H1200</b>  H1200 CC 2 m Edge beam 150 mm	Post distance: 2.0 m Height from road surface: 1.2 m (total) 0.48, 0.71, 1.15 m Edge beam height: 150 mm Rail 3 circular closed section tubes: Upmost: Ø 101.6 mm, thickness 4 mm Two lower: Ø 114.3 mm, thickness 3 mm  Base plate: 200 × 200 × 20 mm Steel post: Rearward curved tube Ø 114.3 mm, thickness 5 mm Length 923 mm	
<b>FlexSafe H1400</b>  H1400 CC 2 m Edge beam 150 mm	Post distance: 2.0 m Height from road surface: 1.4 m (total), 0.48, 0.71, 1.37 m (centre of rail) Edge beam height: 150 mm Rail 3 circular closed section tubes: Upmost: Ø 101.6 mm, thickness 4 mm Two lower: Ø 114.3 mm, thickness 3 mm  Base plate: 200 × 200 × 20 mm Steel post: Rearward curved tube Ø 114.3 mm, thickness 5 mm, Length 1145 mm	

### Classification according to EN 1317-5:2007+A2:2012/AC:2012 (EN 1317-2:2010)

Product: Bridge Guard Rail	Containment level	Impact severity level	Normalized working width, class [m]	Normalized dynamic deflection [m]	Normalized vehicle intrusion class [m]
<b>FlexSafe - S</b> (H1200*)	H2	B	W2 (0.7)	0.6	VI2 (0.8)
<b>FlexSafe H1200</b>	H2	B	W2 (0.7)	0.6	VI2 (0.8)
<b>FlexSafe H1400</b>	H2	B	W2 (0.8)	0.7	VI2 (0.8)

\*ITT

### Classification according to EN 1317-5:2007+A2:2012/AC:2012

Product: Bridge Guard Rail	Durability	Resistance to snow removal
<b>FlexSafe-S</b> <b>FlexSafe H1200</b> <b>FlexSafe H1400</b>	Hot dip galvanized, acc. to EN ISO 1461	Class 4



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