

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 specifications and performances as specified on page 2-14 in this certificate.

**Product name:** Nordic K N2, Nordic SF N2, Nordic SF H2 High, Nordic W N2, Nordic W N2-H1-L1 Green, Nordic W H2 High, Nordic W H2, Nordic R H2 High, Nordic R H2 Low, Nordic R N2, Nordic R H4b, Nordic R H4b Ground, Nordic M N2, Nordic M H1, Nordic M H1 v2 and Nordic M H2

placed on the market under the name or trademark of

### **Nordic Road Safety AB**

Årvältsvägen 18  
SE-861 36 Timrå, Sweden

and produced in the manufacturing plants

same as above and at factories NRS4, NRS6, NRS7 and NRS8

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 2016-04-20 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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  
Product Certification Manager

Certificate 0402-CPR-SC0221-16 | issue 18 | 2022-03-01

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## Specification

Product	Description and configuration
<b>Nordic K N2</b> CC 2 m/4m	Post distance: 2.0 m or 4.0 m Height above road surface: 0.63 m (total), 0.55 m (centre of rail) Rail: K-profile Mounting alternative Post embedment: min: 0.8 m, acceptable variation 0.8 -1.33 m Steel post: length: 1420 mm, acceptable variation 1420-1950 mm, Sigma profile

Product	Description and configuration
<b>Nordic SF N2</b> CC 4m	Post distance: 4.0 m Height above road surface: 0.69 m (total), 0.58 m (centre of rail) Rail: W- profile Mounting alternative Steel post: C- profile Length: -for soil: 1.445 m, driven in soil 0.8 m -for baseplate: 0.567 Base plate: 260 × 150 × 16 mm
<b>Nordic SF H2 High</b> CC 2m	Post distance: 2.0 m Height above road surface: 1.2 m/1.4 m (total), 0.58 m (centre of rail) Rail: W- profile Steel post profile 55 × 55 mm Top Guide: 120 × 80 × 5 mm 123 × 88 × 5 mm Base plate: 210 × 210 × 25 mm Steel tube length 1200 mm, Ø 127 × 6 mm
	<b>Height 1.2 m</b>
	Mounting alternative Base plate Edge beam height 100 mm or road level Post embedment in soil: min 1.2 m Steel post length: 1031, 1131, 1181 mm Infillings: area 1000 × 171, 1120 × 92 mm* placed from centre of post away from road
	<b>Height 1.4 m</b>
	Mounting alternative Base plate Edge beam height 100 mm or road level Post embedment in soil: min 1.2 m Steel post length: 1231, 1331, 1381 mm Infillings: area 1000 × 252, 1320 × 82 mm* placed from centre of post away from road  *Infillings width can increase in the lower area provided that the working width limit is not exceeded and not adding stiffness to the parapet.

Product	Description and configuration
<b>Nordic W N2</b> CC 2.0 m / 4.0 m	<p>Post distance: 2.0 m or 4.0 m</p> <p>Height above road surface: 0.70 m (total), 0.55 m (centre of rail)</p> <p>Rail: W- profile</p> <p>Mounting alternative</p> <p>Post embedment: min: 0.8 m, acceptable variation 0.8 -1.24 m</p> <p>Steel post: length: 1420 mm, acceptable variation 1420-1950 mm, Sigma profile</p>
<b>Nordic W N2-H1-L1 Green</b> CC 5.0 m	<p>Post distance: 5.0 m</p> <p>Height above road surface: 0.730 m (total), 0.575 m (centre of rail)</p> <p>Rail: W- profile</p> <p>Mounting alternative</p> <p>Steel post: C-profile 120 × 65 × 26 mm, thickness 4 mm Length: -for soil: 1.445 m, driven in soil 0.80 m -for baseplate: 0.567 m</p> <p>Base plate: 260 × 150 × 16 mm</p>
<b>Nordic W H2 High</b> CC 1.8 and 2.0 m	<p>Height above road surface: 1.2 m (total), 0.575 m (center of lower rail) 1.4 m (total), 0.575 m (center of lower rail) 2.2 m including noise barrier wood screen 3.0 m including noise barrier PC-plate 3.5 m including suicide protection</p> <p>Post distance: 1.8 and 2.0 m</p> <p>Steel post base plate: "Test Post" * "CE Post" 365 × 340 mm, thickness 25 mm (offset post) 210 × 210 mm, thickness 25 mm (center post)</p> <p>Steel foundation: Ø127, thickness 6 mm, length=1.2 m</p> <p>Steel post dimensions: Square 60 mm, thickness 8 mm</p> <p>Length with Edge beam +100 mm: 1040 mm, 1240 mm -100 mm: 1240 mm, 1440 mm 0 mm: 1140 mm, 1340 mm</p> <p>Edge beam height: -0.10 m, 0 m, 0.10 m</p> <p>Steel rail: Top rail: Rectangular 120 × 80 × 5 mm Semi-rectangular 123 × 88 × 5 mm Lower rail: W-profile 306 × 83 × 3 mm</p> <p>Suicide protection: 1000-00167 rev 1 and 1000-00168 rev 1 For parapet alternative: All variants H: max 3.5 m, W=1.8 and 2.0 m</p> <p>Steel mesh Mesh size: 50 x 70 mm Wire thickness: Ø5-8 mm</p> <p>Steel slats Open distance between slats: max 80 mm Slat alt 1: Profile: 20-40 x 20-50 mm, thickness 2-3.2 mm Slat alt 2: Profile: Ø21.3-48.3 mm, thickness 2-3.2 mm Maximum weight evenly distributed: 183 kg</p> <p>Horizontal profiles Alt 1: L-profile 50 x 50 mm, thickness 5 mm Maximum weight evenly distributed: 183 kg Alt 2: Ø48.3 mm, thickness 3.2 mm Maximum weight evenly distributed: 122 kg</p>

	<p>Alt 3: Square profile 50 x30 mm, thickness 2.5 mm Maximum weight evenly distributed: 160 kg</p> <p>-----</p> <p>Noise barrier - PC plate 300000046 rev 0</p> <p>-----</p> <p>Noise barrier - Wood screen 300000045 rev 0</p> <p>-----</p>	<p>For parapet alternative: All variants</p> <p>H=max 3.05 m, W= 1.8 and 2.0 m 12 mm Polycarbonate Post: UPE 80-profile Reinforcement L-profiles: 50 x 50 x 5 mm Bracket thickness 6 mm for W=2.0 m Bracket thickness 8 mm for W=1.8 and 2.0 m</p> <p>-----</p> <p>For parapet alternative: All variants with post spacing 2.0 m</p> <p>H=2.33 m, W=1.975 m Wood panel: height 110 mm, thickness 30-45 mm Post: L-profile 65 x 50 x 7 mm Bracket thickness 8 mm</p> <p>-----</p> <p>Infillings at parapet height: 1.2 m: Area 1000 x 195 mm, 1120 x 122 mm* 1.4 m: Area 1000 x 273 mm, 1320 x 113 mm* Placed from centre of post away from road</p>
	<p>*Infillings width can increase in the lower area provided that the working width is not exceeded and not adding stiffness to the parapet.</p>	
<b>Nordic W H2</b> CC 1.8 m	<p>Post distance: 1.8 m Height above road surface: 1.2 m/1.4 m (total), 0.55 m (centre of rail) Rail: W- profile Top guide: U-profile</p>	
	<p><b>Height 1.2 m</b></p>	
	<p>Steel post: length: 1040, 1140, 1170 and 1370 mm profile: 55 x 55 mm</p>	
	<p>Mounting alternative Post embedment in concrete: min: 0.28 m Post embedment in soil: min: 1.2 m Base plate: plate: 210 x 210 x 25 mm Steel tube: length: 1200 mm, profile: Ø 127 x 6 mm Infillings: area: 1145 x 120, 1000 x 279 mm</p>	
	<p>placed from centre of post away from road</p>	
	<p><b>Height 1.4 m</b></p>	
	<p>Steel post: length: 1240, 1340 and 1370 mm profile: 55 x 55 mm</p>	
<p>Mounting alternative: Post embedment in soil: min: 1.2 m Base plate: plate: 210 x 210 x 25 mm Steel tube: length: 1200 mm, profile: Ø 127 x 6 mm Infillings: area: 1345 x 105, 1000 x 387 mm placed from centre of post away from road</p>		

Product	Description and configuration
<p><b>Nordic R H2 High</b> CC 1.8 and 2.0 m</p>	<p>Height above road surface: 1.2 m (total), 0.465 m (centre of lower rail) 1.4 m (total), 0.465 m (centre of lower rail) 2.2 m including noise barrier wood screen 3.0 m including noise barrier PC-plate 3.5 m including suicide protection</p> <p>Post distance: 1.8 and 2.0 m</p> <p>Steel post base plate: "Test Post" * 365 × 340 mm, thickness 25 mm (offset post) "CE Post" 210 × 210 mm, thickness 25 mm (center post)</p> <p>Steel foundation: Ø127, thickness 6 mm, length=1.2 m</p> <p>Steel post dimensions: Square 60 mm, thickness 8 mm</p> <p>Length: -for steel foundation: 1.181 m or 1.381 m -for baseplate: 1.031 m, 1.131 m 1.231 m or 1.431 m</p> <p>Edge beam height: -0.10m, 0 m, 0.10 m</p> <p>Steel rail: Top rail: Rectangular 120 × 80 × 5 mm Top rail: Semi -rectangular 123 × 88 × 5 mm Lower rails: 2 Tubes, Ø88.9 mm, thickness 3.2 mm</p>
	<p>Suicide protection: 1000-00167 rev 1 and 1000-00168 rev 1 For parapet alternative: All variants H: max 3.5 m, W=1.8 and 2.0 m</p> <p>Steel mesh Mesh size:50 x 70 mm Wire thickness: Ø5-8 mm</p> <p>Steel slats Open distance between slats: max 80 mm Slat alt 1: Profile: 20-40 x 20-50 mm, thickness 2-3.2 mm Slat alt 2: Profile: Ø21.3-48.3 mm, thickness 2-3.2 mm Maximum weight evenly distributed: 183 kg</p> <p>Horizontal profiles Alt 1: L-profile 50 x50 mm, thickness 5 mm Maximum weight evenly distributed: 183 kg Alt 2: Ø48.3 mm, thickness 3.2 mm Maximum weight evenly distributed: 122 kg Alt 3: Square profile 50 x30 mm, thickness 2.5 mm Maximum weight evenly distributed: 160 kg</p>
	<p>Noise barrier - PC plate 300000046 rev 0 For parapet alternative: All variants</p> <p>H=max 3.05 m, W= 1.8 and 2.0 m 12 mm Polycarbonate Post: UPE 80-profile Reinforcement L-profiles: 50 x 50 x 5 mm Bracket thickness 6 mm for W=2.0 m Bracket thickness 8 mm for W=1.8 and 2.0 m</p> <p>Noise barrier - Wood screen 300000045 rev 0 For parapet alternative: All variants with post spacing 2.0 m</p>

		<p>H=2.33 m, W=1.975 m Wood panel: height 110 mm, thickness 30-45 mm Post: L-profile 65 x 50 x 7 mm Bracket thickness 8 mm</p> <p>-----</p> <p>Infillings at parapet height: 1.2 m: Area 1000 x 195 mm, 1120 x 122 mm* 1.4 m: Area 1000 x 273 mm, 1320 x 113 mm* Placed from centre of post away from road</p>
		*Infillings width can increase in the lower area provided that the working width is not exceeded and not adding stiffness to the parapet.
<b>Nordic R H2 Low</b> CC 2.0 m	<p>Height above road surface: 0.73m (total), 0.465 m (center of lower rail) Post distance: 2.0 m Steel rail: 2 Tubes, Ø88.9 mm, thickness 3.2 mm Mounting alternative Steel post dimensions: C-profile 120 x 65 mm, thickness 4 mm Length: -for soil: 1.445 m, driven in soil 0.81 m -for base plate: 0.567 m</p>	<p>Base plate: 260 x 150 x 16 mm</p>
<b>Nordic R N2</b> CC 4.0 m	<p>Height above road surface: 0.73m (total), 0.465 m (center of lower rail) Post distance: 4.0 m Steel rail: 2 Tubes, Ø88.9 mm, thickness 2.6 mm Mounting alternative Steel post: C-profile 120 x 65 mm, thickness 4 mm Length: -for soil: 1.515 m, driven in soil 0.8 m -for base plate: 0.637 m</p>	<p>Base plate: 260 x 150 x 16 mm</p>
<b>Nordic R H4b</b> CC 2.0 m and 2.2 m	<p>Height above road surface: 1.50 m (total), 0.510 m (center of lower rail) 2.0 m, including Nordic BS Nordre ≤3.5 m, including Nordic Suicide Protection ≤5.0 m, including Nordic BS NB 1.8 m, including screen Skuru Vertical/Angle</p> <p>Post distance: 2.0 m or 2.2 m Steel post dimensions: H-profile; HEB120 Length: -Baseplate on edge beam (h=130 mm): 1.365 m -Baseplate on edge beam (h=0 mm): 1.495 m -Gap 50 mm footplate to edge beam: 1.315 m</p>	<p>Base plate: Alternative 1: Plate: 345 x 275 mm Thickness: 30 mm Position: 45 mm post to centre bolt hole 4 bolts Alternative 2: Plate: 345 x 275 mm Thickness: 40 mm Position: 75 mm post to centre bolt hole 4 bolts Alternative 3: Plate: 450 x 450 mm Thickness: 30 mm Position: 100 mm post to centre bolt hole 6 bolts</p>
	Steel rail:	3 Tubes, Ø88.9 mm, thickness 6.3 mm

	<p>----- Noise barrier - Nordic BS Nordre -----</p> <p>----- Noise barrier - Nordic BS Nordre ver 2 -----</p> <p>----- Suicide Protection -----</p> <p>----- Noise barrier - Nordic BS noise barrier -----</p> <p>----- Screen - Skuru Vertical/Angle -----</p>	<p>----- For parapet alternative: cc 2.0 m H=2m, W=2m 20 mm Plexiglas Post: U-profile with different flange length 25-80×120×25-80×5 mm Upper and lower U-profile 60×50×60×5 mm -----</p> <p>----- For parapet alternative: cc 2.0 m H=2m, W=2m 20 mm Plexiglas Post: U-profile with different flange length 25- 80×120×25-80×5 mm Upper U-profile 70×50×70×5 mm Lower U-profile 60×50×60×5 mm -----</p> <p>----- For parapet alternative: cc 2.0 m H: max 3.5 m  Steel mesh Mesh size: 50 x 70 mm Wire thickness: Ø5-8 mm  Steel slats Open distance between slats: max 80 mm Slat alt 1: Profile: 20-40 x 20-50 mm, thickness 2-3.2 mm Slat alt 2: Profile: Ø21.3-48.3 mm, thickness 2-3.2 mm Maximum weight evenly distributed: 183 kg  Horizontal profiles Alt 1: L-profile 50 x50 mm, thickness 5 mm Maximum weight evenly distributed: 183 kg Alt 2: Ø48.3 mm, thickness 3.2 mm Maximum weight evenly distributed: 122 kg Alt 3: Square profile 50 x30 mm, thickness 2.5 mm Maximum weight evenly distributed: 160 kg -----</p> <p>----- For parapet alternative: cc 2.0 m H ≤ 5.0 m, W=2.0 m Acoustic element : Transparent sheet, thickness : 12 mm Post: UPE 80 for H ≤ 3.0 m UPE 100-180 for 3.0 m &lt; H ≤ 5.0 m -----</p> <p>----- For parapet alternative: cc 2.0 m H = 1.8 m, W = 2.0 m Screen : Transparent sheet, thickness 12 mm Post : U-profile 160 x 25-80 mm, thickness 5 mm -----</p>
<p><b>Nordic R H4b</b> <b>Ground</b> CC 2.0 m</p>	<p>Height above road surface:</p> <p>Post distance:</p> <p>Steel post dimensions:</p> <p>Post embedment:</p>	<p>1.50 m (total), 0.510 m (center of low rail) 2.0 m including Nordic BS Nordre noise barrier 2.5 m including Nordic BS noise barrier</p> <p>2.0 m Steel tube, Ø133 mm, thickness 6.0 mm Length 2.80 m min 1.3 m</p>

	Steel rail:	3 Tubes, Ø88.9 mm, thickness 6.3 mm
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	Noise barrier:	<p>Nordic BS Nordre noise barrier H=2m, W=2m 20 mm Plexiglas Post: U-profile with different flange length 25-80×120×25-80×5 mm Upper and lower U-profile 60×50×60×5 mm</p> <p>Nordic BS noise barrier H≤2.5m, W=2m 12 mm Polycarbonate Post: UPE 80</p>

Product	Description and configuration	
<b>Nordic M N2</b> CC 4.0 m	Post distance:	4.0 m
	Height from road surface:	0.6 m (total), 0.55 m (Center of rail)
	Post dimensions:	C 108 x 48 x 19 mm, thickness 4 mm
	Length:	-for soil: 0.885 m, driven in soil 0.30 m -for asphalt: 0.985 m, driven in asphalt 0.30 m -for baseplate: 0.506 m
	Rail:	oval open M profile 200 × 104 mm, thickness 3 mm
	Socket:	Closed profile 120 x 60 mm, Thickness 5 mm -for soil: length 800 mm -for asphalt: length 400 mm
	Baseplate:	Plate 250 x 130 x 16 mm
<b>Nordic M H1</b> CC 3.0 m	Post distance:	3.0 m, mounted in ground tubes
	Height from road surface:	0.7 m (total), 0.65 m (Center of rail)
	Rail:	1 oval open M profile 200 × 100 mm, thickness 3 mm
	Joint plate for open profile:	532 × 332 mm, thickness 4 mm.
	Foundation post:	C profile 120 × 60 mm, thickness 5 mm and length 800 mm, driven into ground.
	Steel post:	C profile 108 × 48 × 18 mm, thickness 5 mm Length: 985 mm, driven into foundation 300 mm.
<b>Nordic M H1 v2</b> CC 3.0 m	Height from road surface:	0.7 m (total), 0.65 m (Center of rail)
	Post distance:	3.0 m
	Post dimensions:	C 108 x 48 x 19 mm, thickness 4mm
	Length:	-for soil: 0.985 m, driven in soil 0.30 m -for asphalt: 0.985 m, driven in asphalt 0.30 m -for baseplate: 0.606 m
	Rail:	Oval open M profile 200 × 104 mm, Thickness 3 mm
	Socket:	Closed profile 120 x 60 mm,



	<p>Baseplate:</p> <p>GC attachment:</p>	<p>Thickness: 5 mm, -for soil: length 800 mm -for asphalt: length 400 mm</p> <p>Plate min 200 x 130 mm Thickness min 16 mm</p> <p>Pipe 88.9 x 2.6 mm Bar diameter 18 mm</p>
<p><b>Nordic M H2</b> CC 1.33 m</p>	<p>Height from road surface:</p> <p>Post distance:</p> <p>Post dimension:</p> <p>Rail:</p> <p>Joint plate for open profile:</p> <p>Foundation post:</p>	<p>0.73 m</p> <p>1.33 m</p> <p>C profile 124 x 58 x 29 mm, thickness 5 mm Length: 1113 mm, driven into foundation 400 mm</p> <p>M profile 204 x 104 mm, thickness 4 mm</p> <p>636 x 328 mm, thickness 4 mm Closed profile 140 x 70 mm Thickness: 5mm Length: 1000 mm, driven into ground</p>

## Performance

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

Product	Containment level	Impact severity level	Normalized working width, class [m]	Normalized dynamic deflection, [m]	Normalized vehicle intrusion class, [m]
<b>Nordic K N2*</b> CC 2 m	N2	A	W5 (1.7)	1.5	NA
<b>Nordic K N2*</b> CC 4 m	N2	A	W6 (2.0)	1.9	NA

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Product	Containment level	Impact severity level	Normalized working width, class [m]	Normalized dynamic deflection, [m]	Normalized vehicle intrusion class, [m]
<b>Nordic SF H2 High*</b> CC 2m h= 1.2 m Raised edge beam 100 mm Post with base plate	H2	B	W2 (0.8)	0.5	VI3 (0.9)
<b>Nordic SF H2 High</b> CC 2m h=1.2 m Roadway level Post with base plate	H2	B	W2 (0.8)	0.6	VI3 (0.9)
<b>Nordic SF H2 High</b> CC 2m h=1.2 m Roadway level Post In soil	H2	B	W2 (0.8)	0.6	VI3 (0.9)
<b>Nordic SF H2 High</b> CC 2m h=1.4 m Raised edge beam 100 mm Post with base plate	H2	B	W2 (0.8)	0.6	VI3 (0.9)
<b>Nordic SF H2 High</b> CC 2m h=1.4 m Roadway level Post with base plate	H2	B	W2 (0.8)	0.6	VI3 (0.9)
<b>Nordic SF H2 High</b> CC 2m h=1.4 m Roadway level Post In soil	H2	B	W2 (0.8)	0.6	VI3 (0.9)

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Product	Containment level	Impact severity level	Normalized working width, class (m)	Normalized dynamic deflection, [m]	Normalized vehicle intrusion class, [m]
<b>Nordic W N2*</b> CC 2 m	N2	A	W4 (1.1)	0.9	NA
<b>Nordic W N2*</b> CC 4 m	N2	A	W5 (1.7)	1.5	NA
<b>Nordic W N2-H1-L1 Green*</b> CC 5 m	N2	A	W3 (1.0)	0.9	NA
<b>Nordic W N2-H1-L1 Green*</b> CC 5 m	H1	A	W4 (1.3)	1.2	VI4 (1.3)
<b>Nordic W N2-H1-L1 Green*</b> CC 5 m	L1	A	W4 (1.3)	1.2	VI4 (1.3)
<b>Nordic W H2 High*</b> CC 2.0 m H= 1.2 m, 1.4 m	H2	B	W2 (0.8)	0.6	VI4 (1.1)
<b>Nordic W H2 High</b> CC 1.8 m	H2	B	W2 (0.7)	0.5	VI4 (1.1)
<b>Nordic W H2 High</b> With noise barrier PC plate CC 2.0 m,	H2	B	N/A	N/A	VI4 (1.1)
<b>Nordic W H2 High</b> With noise barrier PC plate CC 1.8 m,	H2	B	N/A	N/A	VI4 (1.1)
<b>Nordic W H2 High</b> With noise barrier wood screen CC 2.0 m,	H2	B	N/A	N/A	VI4 (1.1)
<b>Nordic W H2 High</b> With suicide protection CC 2.0 m,	H2	B	N/A	0.5	VI4 (1.1)
<b>Nordic W H2*</b> CC 1.8 m, h= 1.2 m Raised edge beam Post casted in concrete	H2	B	W3 (1.0)	0.8	VI3 (1.0)
<b>Nordic W H2</b> CC 1.8 m, h= 1.2 m Roadway level Post with base plate	H2	B	W3 (1.0)	0.8	VI3 (1.0)
<b>Nordic W H2</b> CC 1.8 m, h= 1.2 m Raised edge beam Post with base plate	H2	B	W3 (1.0)	0.7	VI3 (0.9)

<b>Nordic W H2</b> CC 1.8 m, h= 1.2 m Roadway level Post In soil	H2	B	W3 (0.9)	0.8	VI3 (1.0)
<b>Nordic W H2</b> CC 1.8 m, h= 1.4 m Raised edge beam Post with base plate	H2	B	W3 (1.0)	0.8	VI3 (0.9)
<b>Nordic W H2</b> CC 1.8 m, h= 1.4 m Roadway level Post with base plate	H2	B	W3 (1.0)	0.9	VI3 (0.9)
<b>Nordic W H2</b> CC 1.8 m, h= 1.4 m Roadway level Post In soil	H2	B	W3 (1.0)	0.9	VI3 (1.0)

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Product	Containment level	Impact severity level	Normalized working width, class (m)	Normalized dynamic deflection, [m]	Normalized vehicle intrusion class, [m]
<b>Nordic R H2 High*</b> CC 2.0 m,	H2	B	W2 (0.7)	0.5	VI3 (1.0)
<b>Nordic R H2 Low*</b> CC 2.0 m,	H2	A	W4 (1.2)	1.1	VI5 (1.5)
<b>Nordic R H2 High</b> CC 2.0 m, H= 1.2 m, 1.4 m	H2	B	W2 (0.8)	0.6	VI3 (1.0)
<b>Nordic R H2 High</b> CC 1.8 m	H2	B	W2 (0.7)	0.5	VI3 (1.0)
<b>Nordic R H2 High</b> With noise barrier PC plate CC 2.0 m,	H2	B	N/A	0.4	VI3 (1.0)
<b>Nordic R H2 High</b> With noise barrier PC plate CC 1.8 m	H2	B	N/A	0.4	VI3 (1.0)
<b>Nordic R H2 High</b> With noise barrier wood screen CC 2.0 m	H2	B	N/A	0.5	VI3 (1.0)
<b>Nordic R H2 High</b> With suicide protection CC 2.0 m,	H2	B	N/A	0.5	VI3 (1.0)
<b>Nordic R N2*</b> CC 4.0 m	N2	A	W3 (0.9)	0.8	N/A
<b>Nordic R H4b</b> CC 2.0 m	H4b	B	W3 (0.9)	0.8	VI4 (1.3)
<b>Nordic R H4b</b> CC 2.2 m	H4b	B	W3 (1.0)	0.8	VI4 (1.3)
<b>Nordic R H4b</b> with Nordic BS Nordre cc 2.0 m	H4b	B	NA	0.7	VI4 (1.2)
<b>Nordic R H4b</b> with Nordic BS Nordre ver. 2 cc 2.0 m	H4b	B	NA	0.7	VI4 (1.2)
<b>Nordic R H4b</b> with 50 mm gap between footplate and edge beam cc 2.0 m	H4b	B	W3 (0.9)	0.7	VI4 (1.2)

<b>Nordic R H4b</b> edge beam at asphalt level cc 2.0 m	H4b	B	W3 (1.0)	0.8	VI4 (1.2)
<b>Nordic R H4b</b> with Nordic Suicide Protection cc 2.0 m	H4b	B	NA	0.7	VI4 (1.2)
<b>Nordic R H4b</b> with Nordic BS NB cc 2.0 m	H4b	B	NA	0.7	VI4 (1.2)
<b>Nordic R H4b</b> with Skuru screen cc 2.0 m	H4b	B	NA	0.7	VI4 (1.2)
<b>Nordic R H4b</b> with alternative baseplate cc 2.0 m	H4b	B	W3 (0.9)	0.8	VI4 (1.3)
<b>Nordic R H4b Ground</b> CC 2.0 m	H4b	A	W5 (1.5)	1.1	VI5 (1.4)
<b>Nordic R H4b ground</b> with Nordic BS Nordre noise barrier cc 2.0 m	H4b	A	N/A	1.1	VI5 (1.6)
<b>Nordic R H4b ground</b> with Nordic BS noise barrier cc 2.0 m	H4b	A	N/A	1.1	VI5 (1.6)

\*ITT

Product	Containment level	Impact severity level	Normalized working width, class (m)	Normalized dynamic deflection, [m]	Normalized vehicle intrusion class, [m]
Nordic M N2* CC 4.0 m	N2	A	W4 (1.3)	1.1	N/A
Nordic M H1* CC 3.0 m	H1	A	W4 (1.3)	1.1	VI5 (1.7)
Nordic M H1 v2* CC 3.0 m	H1	A	W4 (1.2)	1.1	VI5 (1.5)
Nordic M H1 v2 CC 3.0 m with GC attachment	H1	A	W4 (1.1)	1.1	VI5 (1.5)
Nordic M H2* CC 1.33 m	H2	A	W4 (1.2)	1.1	VI5 (1.5)

\*ITT

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

Product	Durability	Resistance to snow removal class
Nordic K N2, Nordic SF N2 and H2 High, Nordic R N2, H2 High, H2 Low, H4b and H4b Ground Nordic M N2, H1, H1 v2 and H2	Hot dip galvanized, acc. To EN ISO 1461	Class 4
Nordic W N2, N2-H1-L1 Green, H2 and H2 High	Hot dip galvanized, acc. to EN ISO 1461	Class 3