VIK-P-CC 4m

A-profile barrier
Installed on Plastic posts
Installation manual

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1. Important

Proper installation and repair is essential to ensure the systems maximum performance.

2. Description

The Vik-P-CC 4m is a steel road restraint system that is designed to enhance safety on the roads.

The system has successfully been tested according to class N2 described in EN 1317-2.

The system is based on Plastic posts with post distance of 4 meters and a longitudinal 3mm high strength steel guard rail A-profile.

In a collision the system is designed in such a way that the A-profile will break away from the post and stop the vehicle or/and lead it back on the road again.

The bolts are an important part of the systems function and this manual should be read carefully before installation is started.

3. Level of performance

According to EN-1317

Post distance	Containment level	Working width [W]	Dynamic deflection	Impact severity level
4m	N2	2,3 m (W7)	2,3 m	A

4. Installing

4.1 Soil and placement

The soil where the barrier is placed should be of sufficient quality to ensure the guardrails function.

The posts should bend and not break up true the soil or be pulled up when the barrier is hit.

4.2 Installing the posts

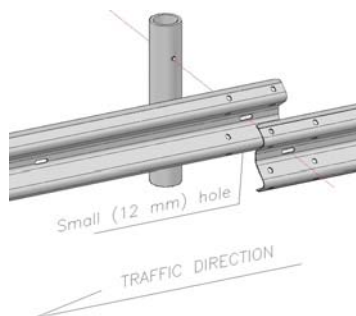The posts should be installed with a distance of 4 meters.

The holes for the posts should normally be pre-drilled or pre-rammed before installing the post. They should be drilled to the correct level or deeper, to ensure that there is no need to ram the posts after they are placed.

After alignment and height adjustment, parts of the hole around the post should be filled with gravel to lock the post in the correct position.

4.3 Installing the profiles

The guardrail profiles have one wide and one narrow end, the narrow end is marked with a small (12 mm) hole.

When connecting the profiles, the wide end of the profile is placed outside the narrow end of the following barrier, in the direction of traffic.

4.4 After installation

When the guardrail is installed and adjusted, the holes around the post should be fully refilled.

5. Maintenance

There are no general inspections intervals for this guardrail itself. Inspections intervals have to be determent based on local factors such as volume of traffic, risk of damage, climate etc.

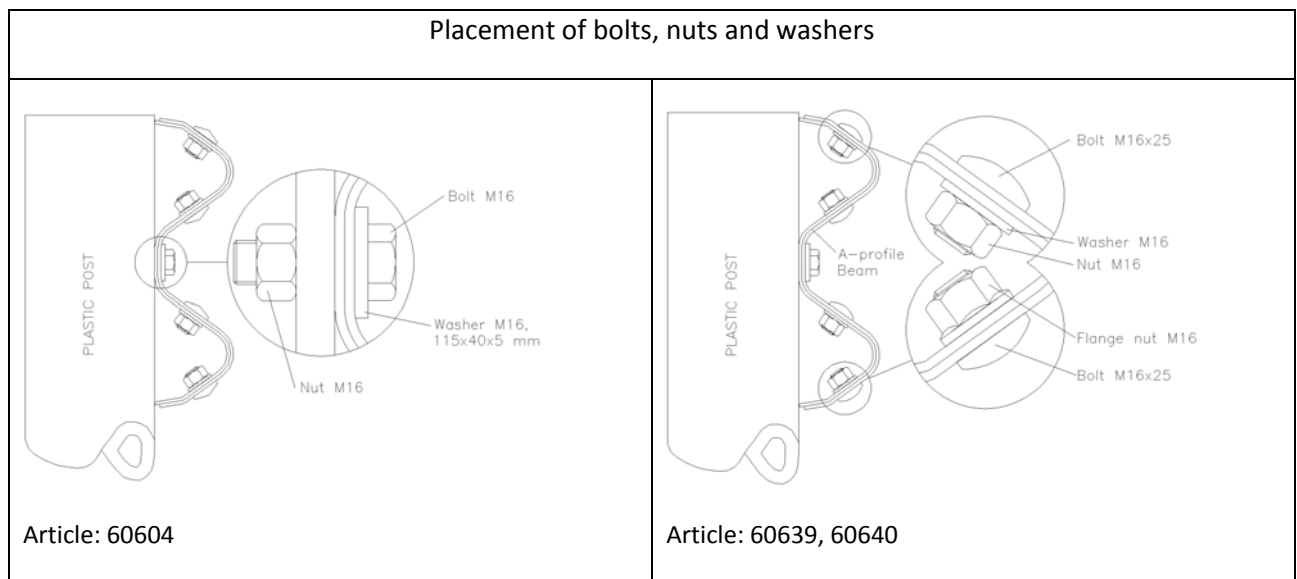The guard rail should be inspected regularly and if displaced or damage, it should be adjusted and repaired.

All damage profiles should be replaced with new when repaired.

5.1 Cleaning

Cleaning can be done with water and any type of Ph neutral detergent.

6. Bolts and fasteners

Art. nr.	Description		Amount
60604	**Fastening bolt M16x40 mm (hot dip galvanized)**		
	933316060	Bolt M16x60	1
	60643	Nut M16	1
	60981	Washer M16, 18/115x40x5	1
60639	**Connecting bolt M16x25 mm (hot dip galvanized)**		
	60641	Bolt M16x25	1
	692316000	Flange nut M 16	1
60640	**Connecting bolt M16x25 mm (hot dip galvanized)**		
	60641	BoltM16x25	1
	60643	Nut M16	1
	60642	Washer M16	1

Placement of bolts, nuts and washers

Article: 60604

Article: 60639, 60640

Note: Please check that all bolts/fasteners are placed correct and all bolts-washer-nuts-connections are normally/proper fastened/tighten.

7. Marking

If everything is done and installed according to this installation manual, the guardrail can be marked with the CE-mark. This mark shall be placed at the end (the starting end) of the installed guardrail.

8. Drawing

6

KJØRERETNING

750

4000

750

1:20

A–A

Pos	Art. nr.	Beskrivelse
1	60000	Skinne 310 3mm
2	60244	Plaststolpe 140x14 L=1950mm
3	60804	Festesats plaststolpe
		Bolt M16x60
		Skive 115x40x5
		Mutter M16
4	60840	Skjøtebolt
		Skjøteskrue M16x25
		Skive 17/30
		Mutter M16

Dato	20.06.08	Målestokk	A4
Tegnet	LMH		1:10

Skinne 3 mm montert
på plaststolpe
CC 4 meter

Godkjent ihht. NS EN 1317
Styrkeklasse N2
Sikkerhetsklasse A
CC 4 meter W=7 (2,3M)

ViKØrsta

40011

Revisjon B

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