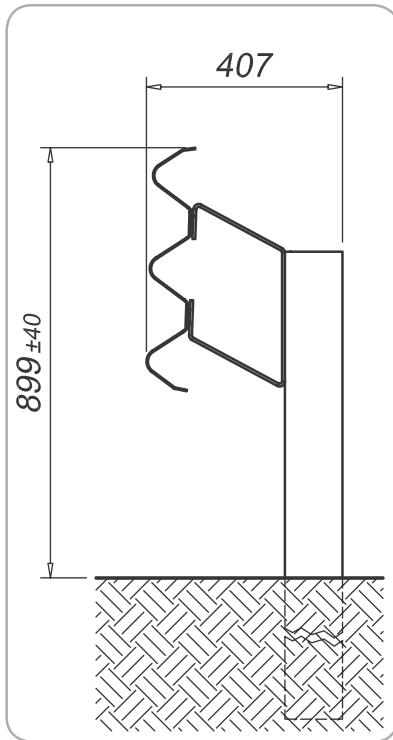


4SAFE[®] SINGLE SIDED SAFETY BARRIER ON GROUND H2-A-W5 (3n24872)



Performance

Containment level	H2
Acceleration Severity Index "ASI"	A
Working width	W5 (1.70m)
Extreme lateral position of the vehicle	2.20 m

Characteristics

Height out of ground	899 mm
Transversal overall dimensions	407 mm
Centre to centre between posts	2000 mm
Tested minimum length	48 m



Description

Supply and erection of a 3-wave safety barrier, thickness 3,0 mm, C post 120x80x30x5.9, H= 1840, fixed to ground every 2000 mm by anchor bolts; spacers 80x5.9 mm, assembled with nuts and bolts and provided with reflectors. S235-S275-S355JR steel quality according to EN 10025
Hot dip galvanization according to EN ISO 1461:2009
Nuts and bolts according to EN ISO 898 - EN 20898 - UNI 3740/6
All particulars are in accordance with crash tests requirements.

Revision 2 of 26/04/2010

4SAFE[®] H2-A-W5 (3n24872) PAINTING VERSION



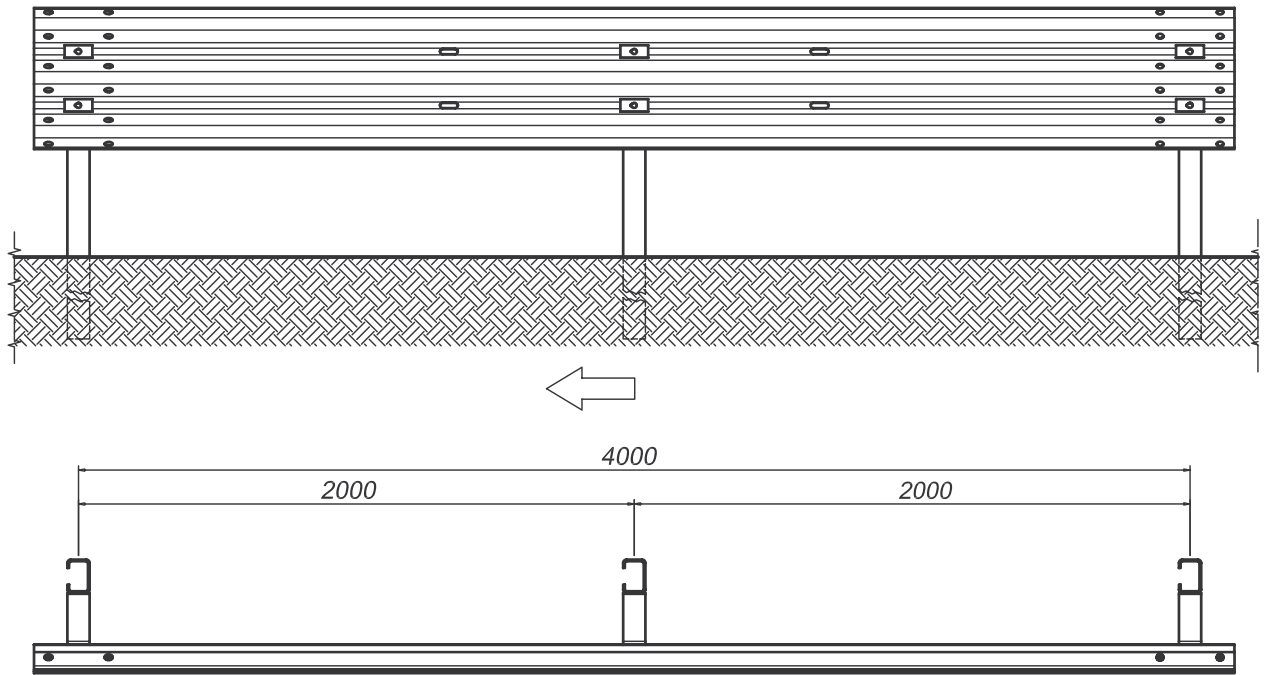
Painting process

Following are the main powder painting process phases for safety barrier tapes and poles:

1. spray degreasing;
2. first spray rinse;
3. second spray rinse;
4. phosphatising;
5. spray rinse;
6. spray rinse with demineralised water;
7. rinse with demineralised water ramp;
8. drying;
9. air cooling at room temperature;
10. power painting, with deposit required to achieve the protection thickness listed in the Specifications;
11. oven polymerisation;
12. air cooling at room temperature.

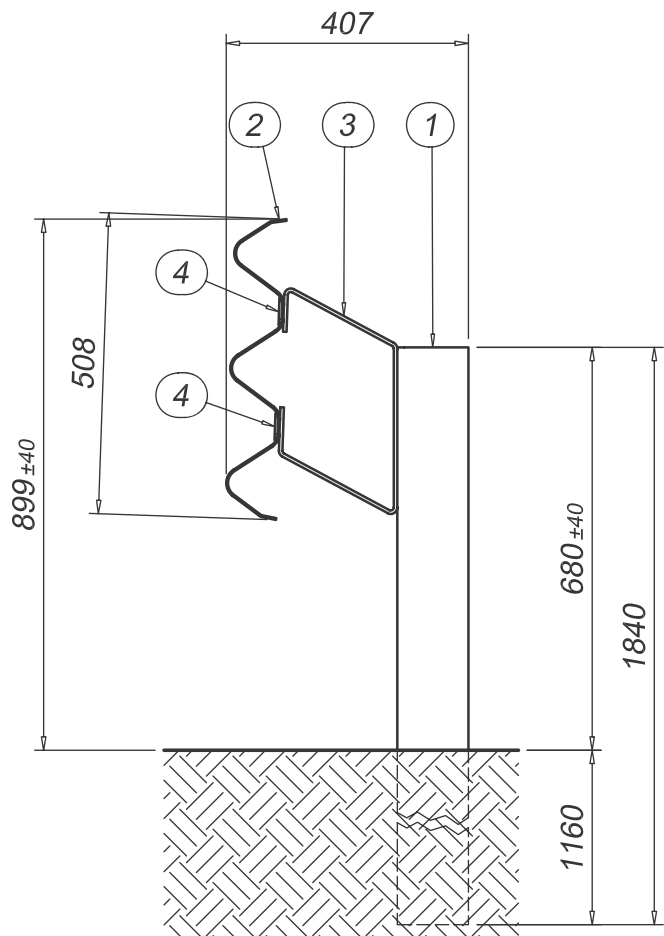


Elevation



Section

	Description
1	C post 120x80x30x5,9 H=1840 mm
2	"3n" Beam c/c 4000 mm th. 3,0 mm
3	Spacers 80 x 5,9 L=860 mm
4	Plate 100x45x5 mm



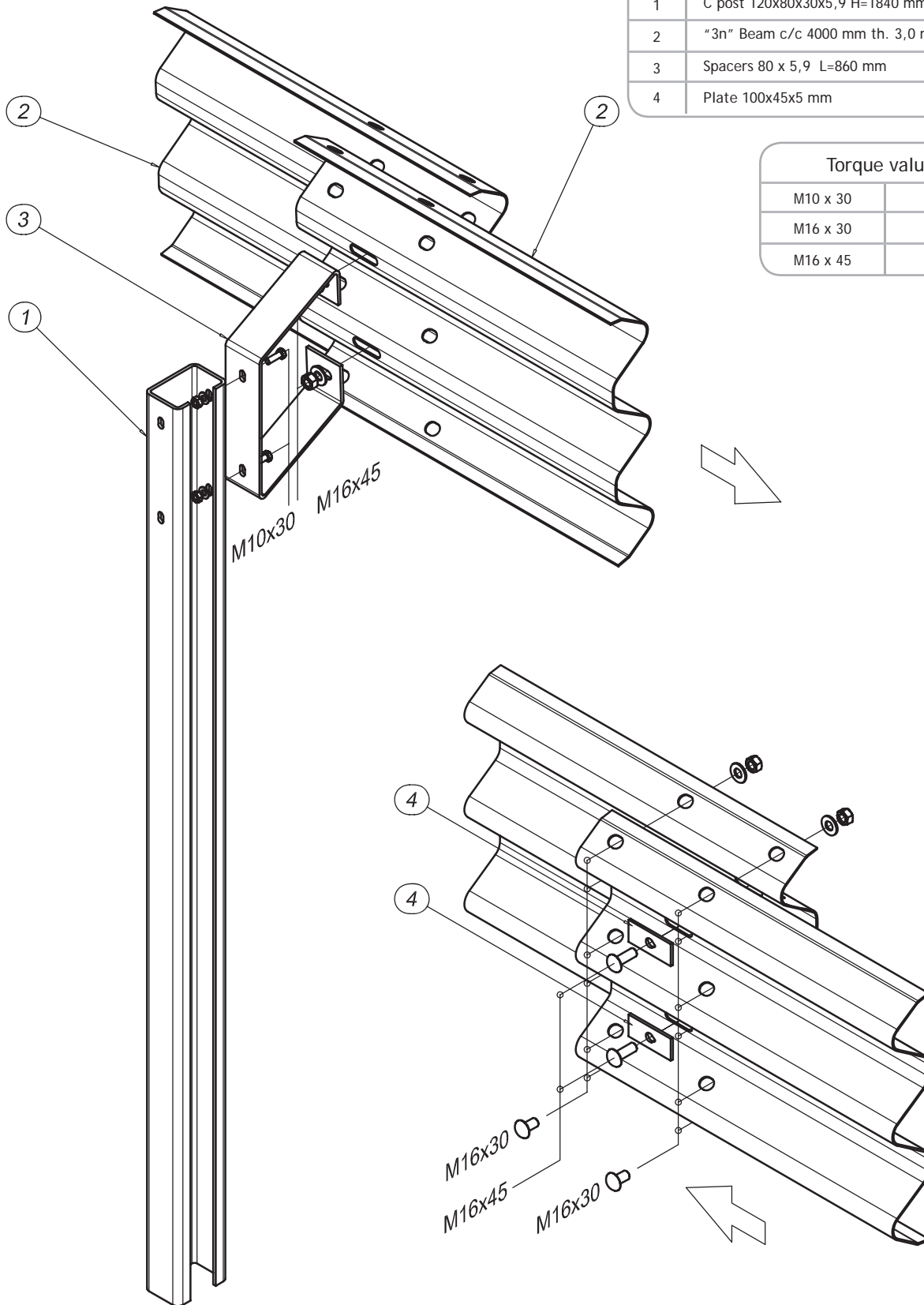
Revision 2 of 26/04/2010



4SAFE[®] H2-A-W5 (3n24872)

Description	
1	C post 120x80x30x5,9 H=1840 mm
2	"3n" Beam c/c 4000 mm th. 3,0 mm
3	Spacers 80 x 5,9 L=860 mm
4	Plate 100x45x5 mm

Torque value	
M10 x 30	20 Nm
M16 x 30	90 Nm
M16 x 45	90 Nm



INSTALLATION CRITERIA FOR 4Safe BARRIER H2-A-W5 (3n24872)

Along with the general assembly instructions specified in the introduction chapter, please observe the following guidelines to install barrier 3n24872.

Preliminary operations

Where installation is to be carried out in traffic, all necessary road signs must be set up in order to direct traffic and protect workers from vehicles, in accordance with safety regulations.
The parts making up the road barrier can be unloaded from the transport vehicles by means of a crane fitted to the vehicle, or forklift truck, in accordance with current safety regulations.
Workers must be supplied with all required equipment, including safety shoes, gloves and goggles and - where necessary - helmets, safety harnesses and all else specifically needed for the site and required by current safety regulations.

Installation sequence

The assembly diagram provides instructions for correct barrier installation. Fully and completely follow these instructions.

Main steps:

1. Trace out a full line of reference on the ground, which will serve to align poles and beams.
2. Place the beams (2) along the traced line taking into account the direction of traffic.
3. Poles C 120x80x30x5.9 mm h=1840 mm (1) are to be lifted vertically and planted in the ground 1,160 mm deep at the holes in the tap and spaced 2,000 mm apart. A mechanical pile-driver is generally used. During this phase, please check: alignment and level of poles, distance between poles, that they are vertical, and distance from the embankment, all in accordance with the measurements and tolerances specified in the applicable drawing of reference.
4. Assemble the spacers (3) to the uprights using the M10x30 mm bolts;
5. Assemble the beams (2) that have been laid on the ground, attaching them to the spacers (3) and themselves, by means of the bolts supplied and the set plates.
6. Use the calibrated pneumatic screwdrivers to fasten all nuts and bolts into place, checking levels and alignments.
7. Installation must always take place under the surveillance of a specialist technician, and in full compliance with the final drawing and current safety regulations.

Inspection of installation conformity

The technician responsible for the installation shall, at the very least, control conformity of the following, prior to beginning assembly, during work and upon conclusion, by using all measurement instruments necessary and in his possession:

1. Full compliance of the installation with the final drawings of reference.
2. Pole spacing and height of upper beam and current edge in accordance with that specified on the final drawings of the barrier, dilation joints and ends.
3. Length and alignment of the installation on the basis of the final drawings and the road layout and altimetry.
4. Final coupling bolt torque according to that set in the assembly diagram.
5. Compliance with all applicable safety regulations.

