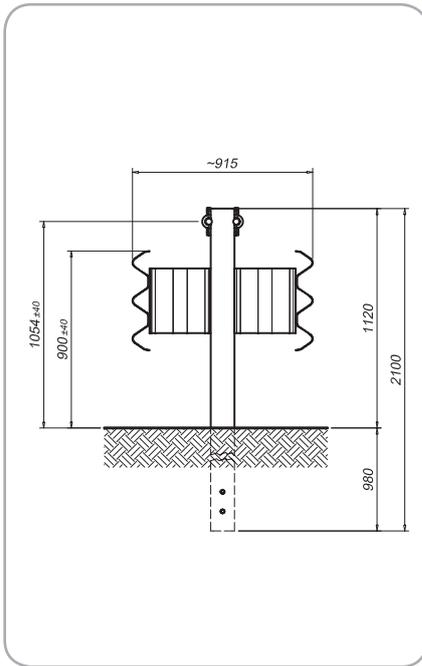


# 4SAFE®

## DOUBLE SIDED SAFETY BARRIER ON GROUND (TRAFFIC DIVIDER) H2-A-W5 (3n32773)



### Performance

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

### Characteristics

Height out of ground	900 / 1054 mm
Transversal overall dimensions	915 mm
Centre to centre between posts	1500 mm
Tested minimum length	-



### Description

Supply and erection of 2-waves safety barrier, thickness 3,0 mm, HEA posts 100, h. 1085 mm with plate 400x300x15 mm fixed to the ground every 2000 mm by TOGE anchor bolts, spacers 250x260x5.9 mm, upper rail and lower rail threaded bars Ø 28 mm, nuts and bolts and reflectors.

S235-275-355JR steel in quality-according EN 10025

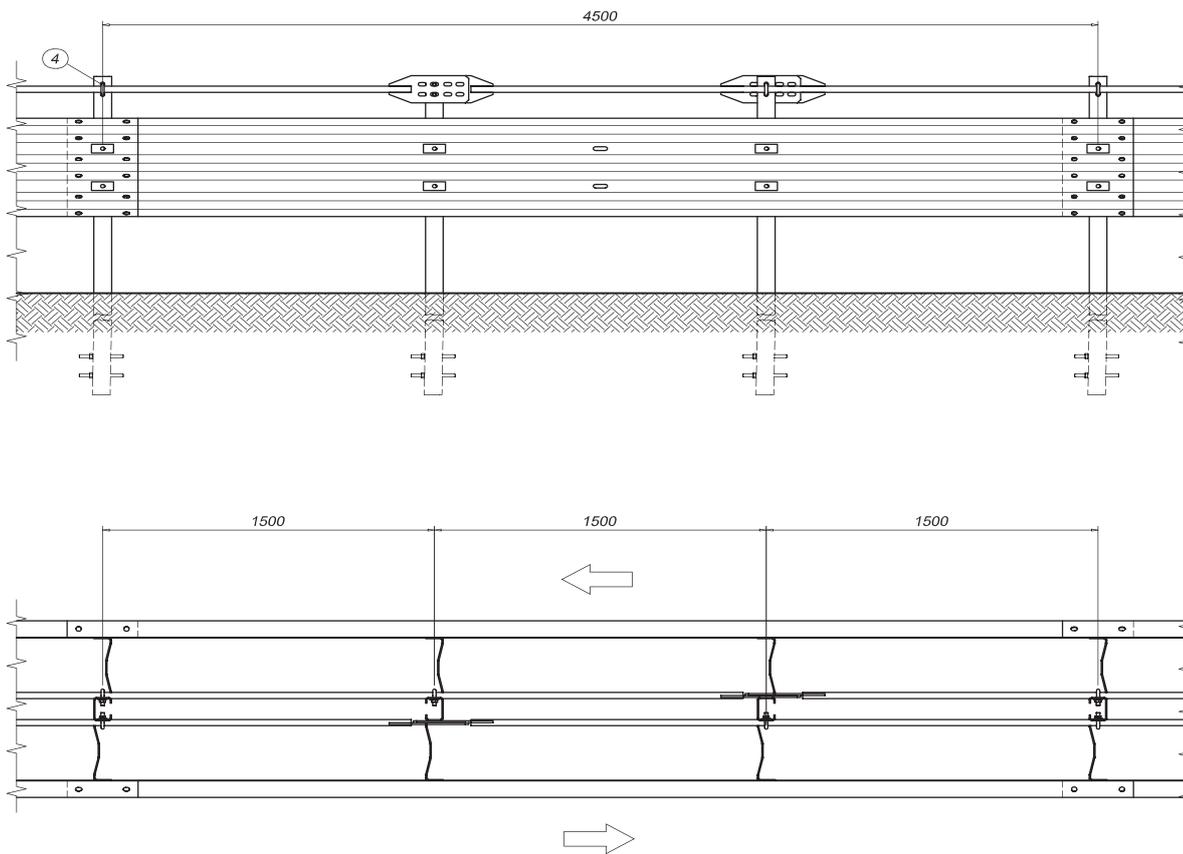
Hot dip galvanization according EN ISO 1461:2009

Nuts and bolts according EN ISO 898 - EN 20898 - UNI 3740/6

All particulars are in accordance with crash tests requirements.

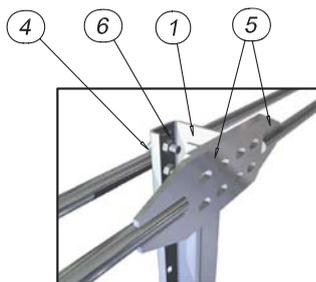
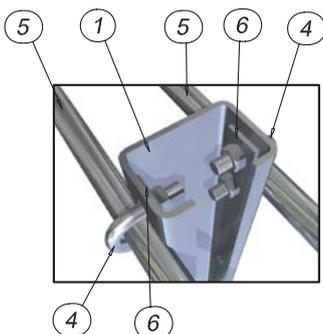
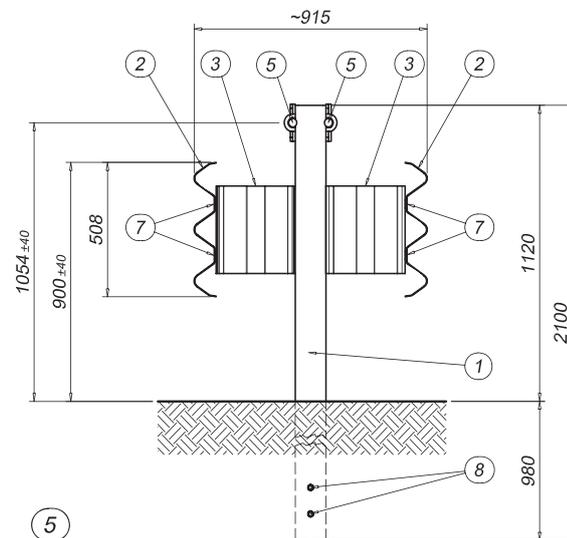
Revision 2 of 28/04/2010

## Elevation



## Section

	Description
1	C post 120x80x30x5.9, h. 2100 mm with plate
2	"3n" Beam c/c 4500 mm th.2,5 mm
3	Spacers 310x80X5,9 mm L=330 mm
4	Clamp M16
5	upper thr. ret. bars Ø32 L=9250 mm with welded plate
6	Plate 100x40x5 mm
7	Plate cover 100x40x5 mm
8	Threaded bar M16 L=200 mm



### Torque value

M16 x 30	90 Nm
M16 x 45	90 Nm
M16 x 65	90 Nm
M16	5 Nm



## INSTALLATION CRITERIA FOR 4Safe BARRIER H2-W5-A (3n32773)

Along with the general assembly instructions specified in the introduction chapter, please observe the following guidelines to install barrier 3n32773.

### 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 mounts, beams, and all other longitudinal parts.
2. Place the beams (2) along the traced line taking into account the direction of traffic.
3. Poles C 120x80x30x5.9 mm h=2140 mm (1) are to be lifted vertically and planted in the ground 980 mm deep at the holes in the tap and spaced 1,500 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. Apply the first barrier (5) on one side of the upright using the specific clamps (4). At the joint between the two subsequent barrier elements, connect the plates between them using 8 bolts: 6 M16x45 mm bolts and 2 M16x65 mm bolts, which are also used to connect the plates to the corresponding upright.
5. Apply the second barrier (5) on the other side of the upright as per the previous step, being careful to install the joint between the two barriers on the pole following the previous one.
6. Assemble the spacers (3) on the two sides of the upright using the M16x45 mm bolts;
7. 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.
8. Use the calibrated pneumatic screwdrivers to fasten all nuts and bolts into place, checking levels and alignments.
9. Installation must always take place under the surveillance of a specialist technician, and in full compliance with the final drawing and current safety regulations.



## Criteria d'installazione del sistema 4Safe H2-W5-A (3n32773)

### 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.

