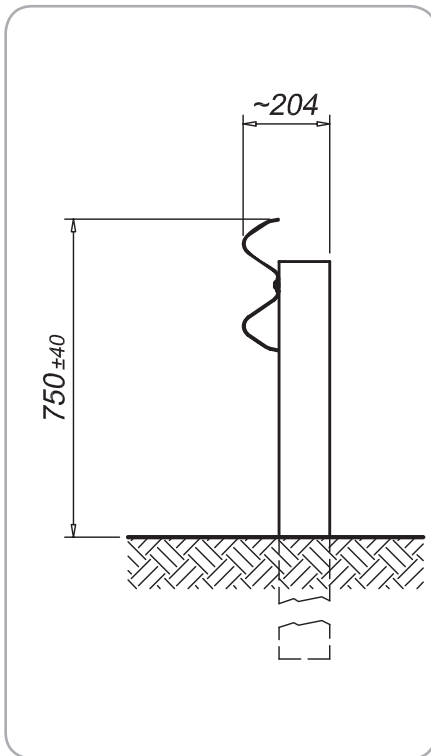


SINGLE SIDED SAFETY BARRIER ON GROUND H1 A W4 (B33061)



Results

Containment level	H1
Acceleration Severity Index "ASI"	A
Working width	W4 (1,30 m)
Extreme lateral position of the vehicle	1,60 m

Characteristics

Height out of ground	750 mm
Transversal overall dimensions	204 mm
Centre to centre between posts	2000 mm
Tested minimum length (without terminal ends)	70 m



Description

Supply and erection of safety barrier, with 2-waves beam thickness 2,5 mm, posts C120x80x30x5 H 1500 mm. driven into the ground every 2000 mm, complete with assembly bolts and reflectors.

S275 steel in quality-according EN 10025

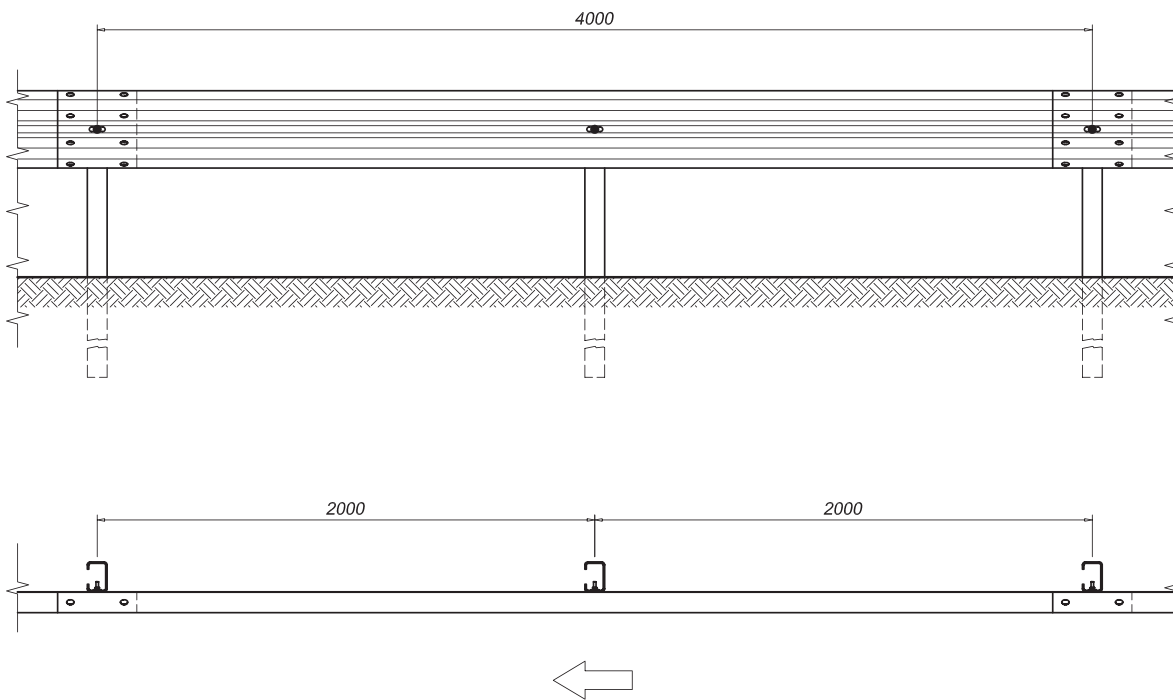
Hot dip galvanization according EN ISO 1461:2009

Bolts according to EN ISO 898 - EN 20898 - UNI 3740/6

The system complies with crash tests requirements

Révision 2 - 25/03/2010

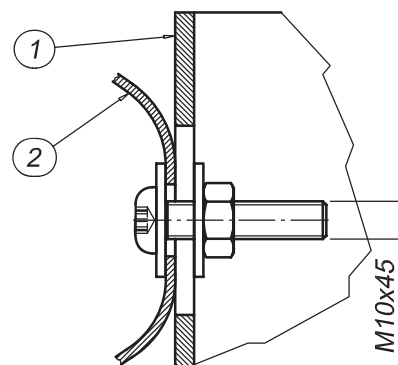
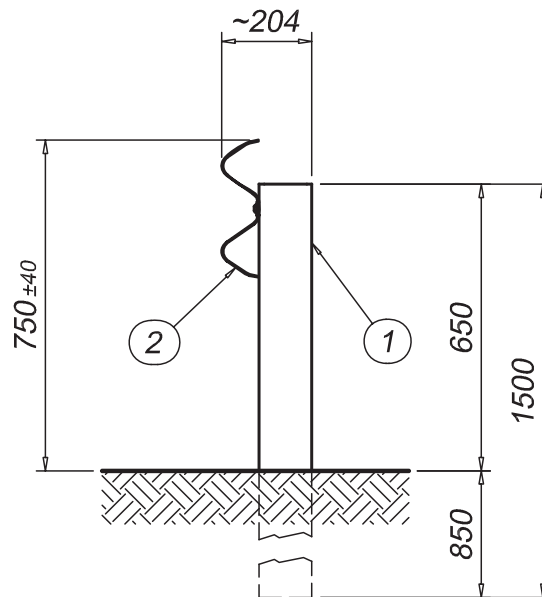
Elevation



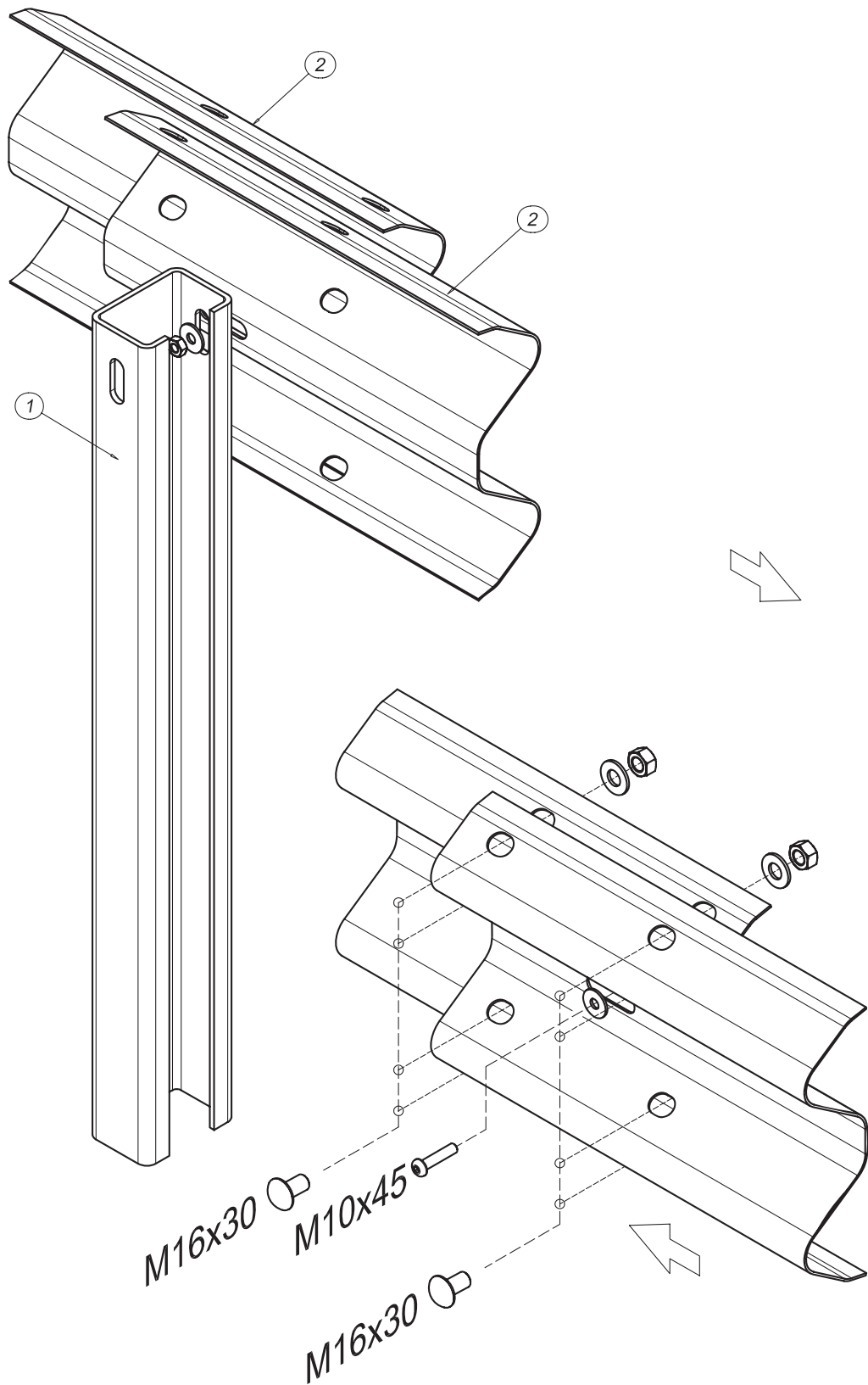
Section

Description	
1	Post 140x70x7 mm sp. 5 mm, H=1500 mm
2	2-waves beam thickness 2,5 mm c/c 4000 mm

Torque value	
Bolts M16	90 Nm
Bolts M10	90 Nm



SINGLE SIDED SAFETY BARRIER ON GROUND H1 A W4 (B33061)



Révision 2 - 25/03/2010

Description	
1	Post 140x70x7 mm sp. 5 mm, H=1500 mm
2	2-waves beam thickness 2,5 mm c/c 4000 mm

Torque value	
Bolts M16	90 Nm
Bolts M10	90 Nm



INSTALLATION CRITERIA FOR BARRIER H1 A W4 (B33061)

Along with the general assembly instructions specified in the introduction chapter, please observe the following guidelines to install barrier B33061.

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 elements of 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 equipped with all necessary 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. Follow these instructions fully and completely.

Main steps:

1. Trace out a full line of reference on the ground, to align mounts, beams, and all other longitudinal parts.
2. Place beams (2) along the traced line considering the traffic direction.
3. Posts C 120x80x30x5 mm h=1500 mm (1) are to be lifted vertically and driven in the ground 850 mm deep by the holes of the beam and spaced 2000 mm apart. A mechanical pile-driver is generally used. During this phase, please check: alignment and level of posts, distance between posts, their vertical position, and distance from the embankment, all in accordance with the measurements and tolerances specified in the drawing of reference.
4. Assemble the beams (2) already laid on the ground, together and fixing them to the posts (2), by means of bolts and small plates.
5. Use the calibrated pneumatic screwdrivers to fasten all nuts and bolts and check levels and alignments.
6. 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

Before starting the assembly phase, the technician responsible for the installation shall, check the following aspects with II necessary measurement instruments in his possession, both during the work and at its conclusion:

1. Full compliance of the installation with the final reference drawings .
2. Post spacing and height of upper beam and rails in accordance with the final drawings of the barrier, expansion joints and terminal ends included.
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 in the assembly diagram.
5. Compliance with all applicable safety regulations.

