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**EN 1317 – 5: 2012**

**Performances in a  
crash situation**

**Product's technical  
description**

**Conformity  
assessment**

EN 1317 - 5 :  
2012

in this section it's specified the conformity and durability assessment's requirements of the vehicles restraint system, subject to EN 1317 (road barriers, crash cushions, terminals, transitions and parapets); and are also identified obligations and responsibilities for different parties involved in the production and sale of all this various devices

Performance  
in a crash

- barriers and vehicular parapets EN 1317 1 e 2
- crash cushions EN 1317 1 e 3
- terminals and transitions EN 1317 1 e 4

# Durability

The manufacturer is obliged to provide:

- for safety systems (but also for any foundation systems on which it's install) a **documentation \*** that certify an economically reasonable durability, demonstrated both by laboratory measurements, and historical experience
- the **durability assessment**, specifying product's technical characteristics, the materials, the means coatings and everything that can affect its durability (for example: protective treatment, together with the conformity - EN 1461 for galvanization - and the used criteria for the preparation of this evaluation)
- **recommendations on how to install and maintain the product**

(\*): this specifications identify the "declared" product's useful life, which may differ from the "real" life, due events beyond manufacturer's control ,such as particular atmospheric events or environmental position of the device

## Technical product description

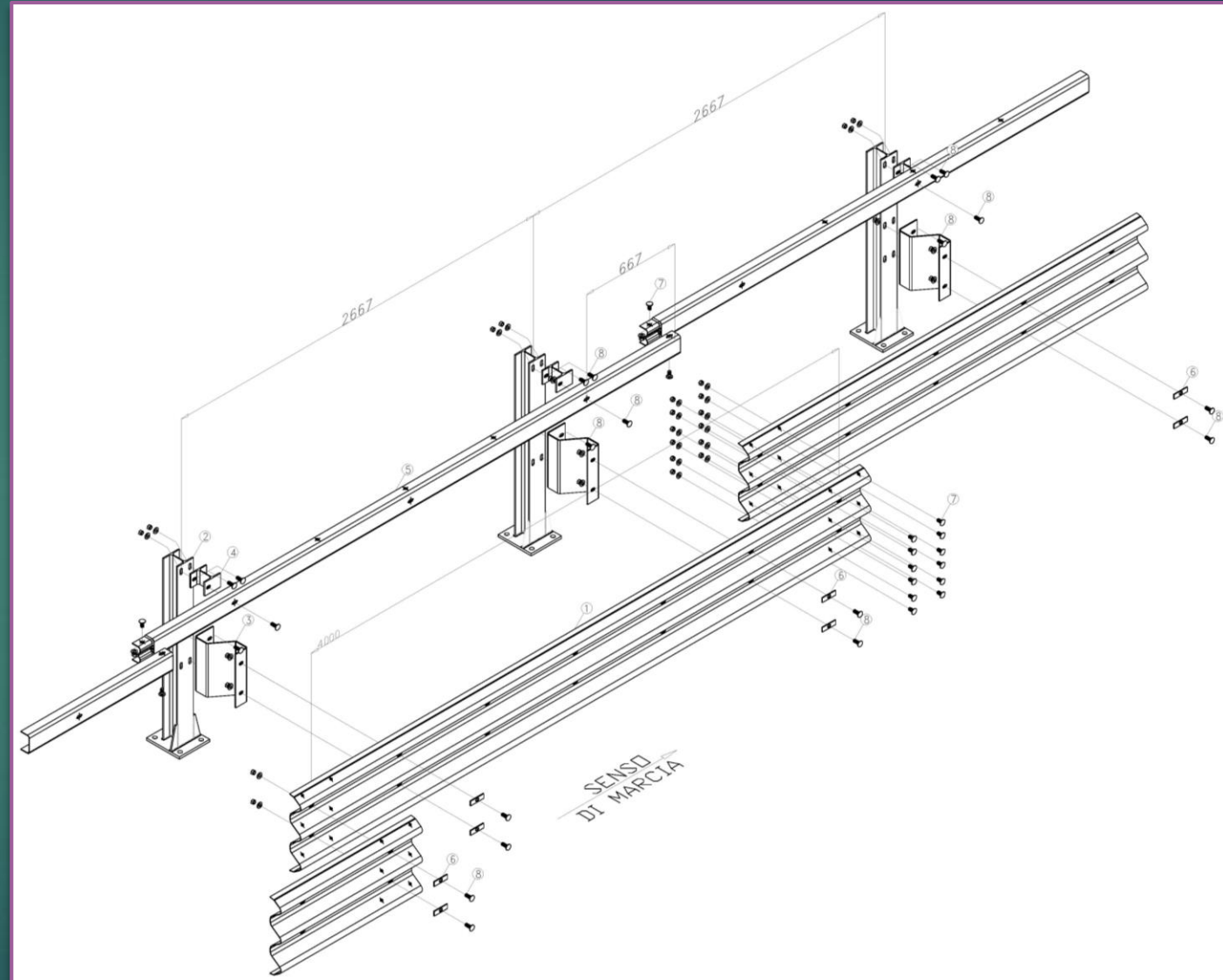
The manufacturer is obliged to provide all product's useful information, such as:

- drawings and installation schemes, with tolerances
- drawings and geometries of all components, with all the material's specifications
- list of all device's parts
- all relevant information (for example specifications for recycling, environment, security, etc ...)



# Barriers's installation

- Manufacturer is obliged to provide **installation manual** that allows to install the product in a equal way as done in crash test field.
- Barrier will be compliant with crash test only if installed under the conditions (mounting, inspection, soil compaction, etc) and in the specified manufacturer's manner



# Conformity assessment

The conformity of a road safety system to the principles and regulatory requirements, must be made following test and control criteria, divided into:

## 1) Initial type testing – ITT

All test results for each type of VRS are specified on a ITT report, inclusive of:

- verification of the realization of the product according to standard (for example barriers: EN 1317)
- confirmation of truthfulness and correspondence of the exposed data to the type of VRS
- checking of the product's correct installation, respect to the specifications identified by the manufacturer

# Conformity assessment

The manufacturer is forced to document and to manage a control system that ensures product's conformity placed on the market (FCP), designed to provide:

- a 360° analysis on the supply chain of raw materials and manufacturing processes
- any previous discrepancy, with specific corrective measures carried out for that purpose
- final product's traceability methods
- various specifications (for example on staff training, on control equipment, on preventive / corrective actions, on the product's packaging, etc)
- it is automatically assumed conform to 1317-5 any certified quality system EN ISO 9001
- **EU Regulation 305/2011**: increases the control specifications, also outlining the margins of shared responsibility between producer, agent, importer and distributor.

## 2) Factory production control – FCP

# Why should you choose I.Me.Va.?

- Imeva today, as well as for almost 50 years, is one of the reference points for innovation and logistics solutions for road safety devices both in Italy and abroad
- operates in full compliance with national and European standards
- boasts the most strict certifications of excellence on safety and on work processes, on product quality and environmental protection
- continuously invests in technology and research, in the belief that these are preparatory to the development, at the service of the highest road safety





Varricchio's Group

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