

Product Evaluation

RE: Review of Ermes End Treatment-TL3 MASH

PRODUCT

Ermes End Treatment (MASH -TL3) is manufactured by SMA Road Safety located in Marcianise, Caserta in Italy and distributed in Alberta by ATS Traffic Ltd. located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Ermes End Terminals are the ideal devices to protect fixed obstacles like barriers and new jerseys. The base structure is completely in electro-welded steel, with a 5/6 mm thick plate and a monorail guide for the sliding bars, linked to retaining panels of the crashboxes. The bumper (frontal panel) is the rigid connection among the sliding side panels which deform after the impact. At the same time, the central panels crash the crashboxes that gradually dissipate the kinetic energy coming from the impact. Ermes utilizes a driven anchor system that is a superior alternative to other guardrail end treatments. The design is 60% shorter and does not require earthworks during repair work. Website: <https://www.smaroadsafety.com/en>

DESCRIPTION

Ermes End Terminal MASH TL-3 is a non-gating, re-directive impact attenuator designed for 100km/h.

POTENTIAL USAGE

Side of road where a recommended clear zone and recoverable slope is not attainable.

STANDARDS

MASH (2016) Test Level 3

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product.

APPLICABLE STANDARDS

Alberta Transportation standard specifications for guardrail are:
Specification 2.19, Guardrail and Guideposts
Specification 5.25, Supply of W-Beam Guardrail and Posts

RECOMMENDATIONS

Ermes End Treatment (MASH -TL3) be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

RESTRICTIONS ON USE

Caveat: Ermes End Treatment (MASH -TL3) is not to be used on highways with designed speed of more than 100km/h.

TRIAL PROJECTS

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