

TRAILER TRUCK MOUNTED ATTENUATORS



90
km/h

IMPACT SPEED CLASS

01

VEHICLE CATEGORY

3,85 m

LENGTH

ADVANTAGES

- High maintainability. In case of collision, individual parts can be replaced without the need to repair the entire product.
- Stable and safe operation, regardless of the class of the collision vehicle.
- Coupling with a truck using a standard tow hitch.
- Full localization of production. Quick delivery and replacement of components.
- Efficiency and safety has been proven by field and virtual tests.
- Individual configuration. The composition of technical traffic management devices (TMD) in the light indication system can be adapted to the customer's requirements.
- The products meet the safety requirements of GOST R 59291-2021 and CU TR 018/2011.
- Vehicle Type Approval No.CU RU E-RU.GA06.02389 granted.
- Patented.

Provides active and passive safety, reduces the severity of consequences of an accident in the event of a collision during mobile and stationary activities on the road.

The design includes patented energy-absorbing cartridges that dampen the kinetic energy of the impact.

MODEL RANGE



TTMA 90 km/h
[no LED Arrow Board]



TTMA 90 km/h
LED Arrow Board M1



TTMA 90 km/h
LED Arrow Board M2

FIELD TESTS

Frontal impact at 110 km/h by a vehicle weighing 2,000 kg



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Meets the requirements of GOST R 59291-2021 and CU TR 018/2011
Vehicle Type Approval No.CU RU E-RU.GA06.02389 granted

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TRAILER TRUCK MOUNTED ATTENUATORS



Name as per STO-410	TTMA-90 (PH*)	TTMA-90 (C**)	TTMA-90 with LED Arrow Board (PH*-M1)	TTMA-90 with LED Arrow Board (C**-M1)	TTMA-90 with LED Arrow Board (PH*-M2)	TTMA-90 with LED Arrow Board (C**-M2)
Trailer category, O1	●	●	●	●	●	●
Collision speed class, km/h	90	90	90	90	90	90
Energy consumption was tested by hitting a vehicle weighing 2,000 kg	●	●	●	●	●	●
Safety was tested by hitting a passenger vehicle weighing 1,000 kg	●	●	●	●	●	●
Side impact protection system approved by field testing	●	●	●	●	●	●
Protective cartridge cases, orange color	●	●	●	●	●	●
Wheel chocks	●	●	●	●	●	●
Type of coupling device, TK	—	●	—	●	—	●
Type of coupling device, TSU	●	—	●	—	●	—
LED Arrow Board M1 version						
3Road sign 1.25 «Road works» Standard size III w/o LEDs - film type B	—	—	●	●	—	—
Road sign 4.2.1 (4.2.2) «Obstacle detour» Standard size II, rotary arrow w/o LEDs - film type B	—	—	●	●	—	—
Two SM-300-M-K 12/24 V LED modules (strobe light), dia. 300mm	—	—	●	●	—	—
ISS 2-200 24V/8W IP68 light unit (duty - left arrow, right arrow, cross), dia. 200 mm, 15 modules	—	—	●	●	—	—
LED Arrow Board M1 version						
Road sign 1.25 "Road works" Standard size III w/o LEDs - film type B	—	—	—	—	●	●
Road sign 4.2.1 (4.2.2) "Obstacle detour" Standard size II, rotary arrow w/o LEDs - film type B	—	—	—	—	●	●
Road sign 4.2.3 "Right-hand or left-hand obstacle detour" Standard size III, w/o LEDs - film type B	—	—	—	—	●	●
Express rotary sign system allowing to swap signs 4.2.1 (4.2.2) and 4.2.3	—	—	—	—	●	●
Two SM-300-M-K 12/24 V LED modules (strobe light), dia. 300mm	—	—	—	—	●	●
ISS 2-200 24V/8W IP68 light unit (duty - left arrow, right arrow, cross), dia. 200 mm, 15 modules	—	—	—	—	●	●
Options can be supplied at the customer's request.						
KD-5, including bracket and mounting elements						
Battery option with a connection system, including a battery, a protective box, and a power cord						
Protective covers (color on request)						



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*PH – Pintle Hook
**C – Coupling

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