PROUDLY TESTED IN THE U.S.A.

AND DOT APPROVED



No.1 ON RESULTS

This patented BLADE TMA is proudly full scale crash tested according MASH 2016 at the Texas Transportation Institute (TTI), with unbelievable test results! All the ride down values were within the preferred values (MASH preferred a Longitudinal ridedown of 15.0 g with a maximum of 20.49 G).

The BLADE TMA is also full scale crash tested according the UK optional 70mph / 110 kph This TMA is the Highest Safety level you can



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WHY BLADE AND HOW IT WORKS

Let`s explain how this patented invention works. The TMA strength comes out of the composite aluminum welded profiles, this machine has 12 internal blades. During an impact the first 4 blades cut through the aluminum composite H-beams and after unlocking 8 blades cut through the welded tubes. The remaining weak aluminum parts will bend away in safe directions. The patent is based on cutting aluminum H beams and tubes using BLADES.





THIS IS BLADE

The No1 MASH TMA; Finally a new leader is born. BLADE, the long awaited new Truck Mounted Attenuator. Full scale crash tested according the Manual for Assessing Safety Hardware (MASH) that supersedes the 20 year old NCHRP-350.

WHY MASH?

The safety changes are mainly necessitated by alterations made to vehicles over the past decade. Cars have greatly increased in size, so different safety regulations are required to keep the occupants safe. The average bumper height on light trucks has risen considerably since 1993, so previous highway safety designs are no longer adequate

GET YOUR GOODIES

Buy a BLADE TMA and get free goodies! Upload your BLADE TMA TRUCK picture to our Wall of Fame Gallery and choose

WHAT'S THE DIFFERENCE FOR TMA'S

The new MASH 2016 standard sets stricter criteria for Truck Mounted Attenuator's, bigger, heavier and newer test Vehicles has to be used during testing , also the shadow vehicle criteria are stricter and much heavier, upper and lower truck weight has to be tested, ballast has to be fixed and also the arrow board together with the TMA construction must have been tested. The optional offset- and offset angle tests are now required in MASH!



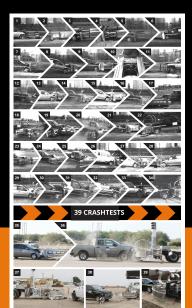
THIS TMA HAS THE HIGHEST SAFETY LEVEL

MASH TESTED, PASSED, FHWA ELIGIBLE AND DOT APPROVED

THE No.1 MASH

TRUCK MOUNTED ATTENUATOR

WWW.BLADE-TMA.COM



THIS IS WHY!

- No.1 MASH TMA
- MODULAR & REPAIRABLE
- No.1 ON INCREDIBLE TEST RESULTS
- HIGHEST SAFETY LEVEL TMA
- MASH TESTED, PASSED, FHWA **ELIGIBLE AND DOT APPROVED**
- TESTED TD49/07 AT 70MPH /110KPH



(62.5mph/100kph) / TD49/07 (70mph/110kph) Truck Mounted Attenuator (TMA)

THIS IS WHY YOU WANT THE No.1!

Benifits of the BLADE-TMA:

- preferred values of 15G acc. MASH!
 The No.1 MASH TMA with the highest safety
- Protect your workers with the safest, most innovative and highest safety level, Truck
- FHWA eligible and DOT approved in most states within the US and Canada

Standard equipped with:

- Available with optional Dr. Airbrake automatic braking system, instantly locks brakes of host vehicle upon impact.
- (7262KG) with an upper weigh limit of 22,160 lbs. (10.033KG). Tested how it is used in real

- service team.
 Fully assembled BLADE-TMA attenuators
- Optional truck bracket for quick and easy installation without any welding or fabrica
- absorb energy in retracted position Fast deployment within 20 seconds from transport position to full operation mode
- Modular design, which results in lower repair costs and easy parts replacement No need for an expensive hydraulic raised

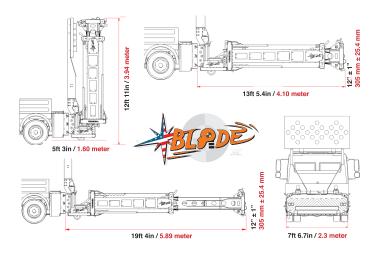
- Vertical position. Not losing any space on the truck bed as with a fold over attenuator.

- the impact absorbing area.

 No need to install a bracket on your truck

Quick connect

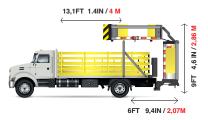
TABLE OF CONTENTS AND DIMENSIONS



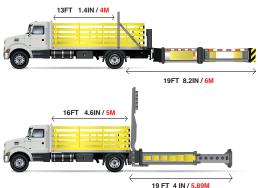
Comparison MASH TMA results		MASH Test 3-50*	MASH Test 3-51	MASH Test 3-52*	MASH Test 3-53*
Max. g-force by MASH	Preferred: Max:	15.0G 20.49G	15.0G 20.49G	15.0G 20.49G	15.0G 20.49G
BLADE-TMA G-force (ride down) Other MASH available TMA G-force	e (ride down)	12.0G 19.2G	15.0G 20.1G	13.8G 18.6G	11.5G 12.5G
Roll-ahead BLADE-TMA Roll-ahead other MASH TMA (+15% more!)					4420mm 5121mm
BLADE-TMA G-force reduction compared to another brand!		-/-37,5%	-/-24,9%	-/-25,8%	-/-8%

*FHWA website

Attenuator Truck Benifits







BLADE-TMA BENEFITS

- MORE USEABLE FLOORSPACE
 SHORTER OVERALL LENGHT
- SHORTER OVERALL LENGTH
 USEABLE ON ALL BOXTRUCKS
 USEABLE ON ALL BOXTRUCKS



Accessories THE ONLY AVAILABLE TMA WITHIN THE PREFERRED **VALUES OF MASH**

In fact, the MASH testing guidelines specify that 'longitudinal & lateral occupant ridewon acceleration (ORA) should fall below the preferred value of 15.0 g. or at least below the maximum allowed value of 20.49 g." MASH 16 requires a max. RDA of 20.49 G but preferers a 25% lower value for longitudinal occupant ride down accelerations namely 15.0G! The BLADE-TMA had all test results within the preferred value of 15.0g making it the safest TMA in the market.

BLADE-TMA WALL OF FAME

THE NO.1 MASH TMA | IT'S ALL ABOUT SAVING LIVES.













VERDEGRO Tested in the USA

TESTED, PASSED AND ELIGIBLE