



**WORLD'S FIRST TMA FOR  
CLOSED VANS**

**[WWW.VERDEGRO.COM](http://WWW.VERDEGRO.COM)**



## VANGUARD REAR MOUNTED



### TRANSPORT POSITION

The rear mounted VanGuard TMA has a transport height of 3050 mm / 10 ft. This variant is the standard VanGuard model.

*This Vanguard version is based on a L3H2 closed van model, dimensions can be different depending on van model used.*

### OPERATIONAL POSITION

Due to the tilting frame, the cushion unfolds from the transport position into a 90-degree operational position. In this position, the system has a total length of 2160 mm / 7 ft and a width of 1830 mm / 6 ft.



**OPTIONAL:**  
Liftable LED  
display up to 7  
meters!



# VANGUARD TOP MOUNTED



## TRANSPORT POSITION

The top mounted VanGuard TMA has a transport height of 3230 mm / 10,6 ft. This is a new design within the Verdegro crash cushion range.

*This Vanguard version is based on a L3H2 closed van model, dimensions can be different depending on van model used.*

## OPERATIONAL POSITION

Instead of unfolding, the cushion in this variant slides down from top to bottom until it reaches its operational position. In this position, the system has a total length of 2060 mm / 6,8 ft and a width of 1980 mm / 6,5 ft.



**THE REAR DOORS REMAIN USABLE FOR TOP AND SWING**

# VANGUARD SWING MOUNTED



## TRANSPORT POSITION

The swing mounted VanGuard TMA has a transport height of 3050 mm / 10 ft. In the transport position, this variant is identical to the standard VanGuard model.

*This Vanguard version is based on a L3H2 closed van model, dimensions can be different depending on van model used.*

## SWING POSITION

Due to the rotation bracket, it is possible to rotate the rear crash cushion (sideways), so the rear doors remain accessible. This is a new design within the Verdegro crash cushion range.



# MOUNTED, THE TOW HITCH FOR ALL VARIANTS!

## CEN/TS 16786 TMA-80

The VanGuard is a patented invention which is tested on the CEN/TS 16786 standard at 80 km/h (50 mph). This makes it the perfect fit for the European market.

Due to its testing on class TMA-80 the cushion can endure speeds up to 80 km/h (50 mph) with a 2000 kg / 4400 lbs vehicle.

This means the VanGuard is deployable on different roadways.



## VANGUARD TMA BENEFITS

### THIS IS WHY YOU WANT THE VANGUARD TMA!

#### DOUBLE PATENTED

The VanGuard holds two patents, each targeting a specific part of the system: the cushion, tow hitch, and top mounting.

#### MAXIMUM PROTECTION

The VanGuard delivers protection for a variety of vans, including: Renault, Mercedes, Iveco, Opel and other brands.

#### ALWAYS VISIBLE

The LED-display stays on and is visible, even when the cushion is folded or mounted on the top of the van.

#### EASY OPERATION

The VanGuard can be controlled by using a remote control, or optional touch panel.

#### ENDURING HIGH SPEEDS

The VanGuard can endure impacts with speeds up to 80 km/h (50 mph)!

#### INCLUDING MOBITRACK

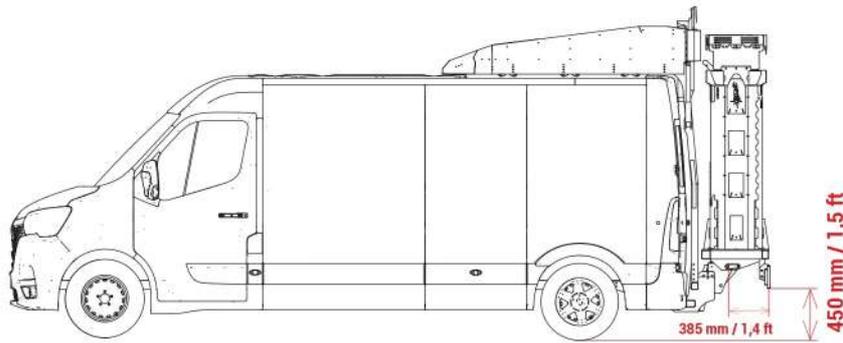
Vanguard can optionally be fitted with Mobitrack. This means that the Vanguard can be tracked on Verdegro's [Mobilityplanner.com](https://www.mobilityplanner.com)

#### TAILORED TO YOUR NEEDS

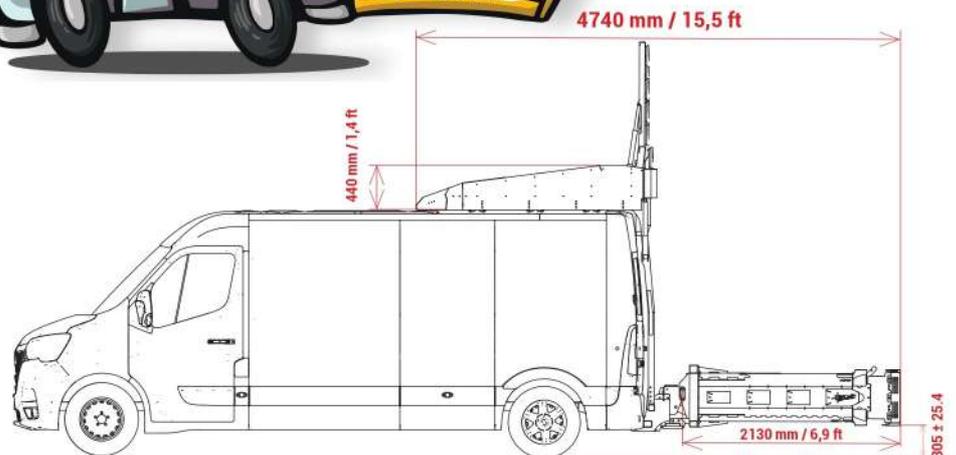
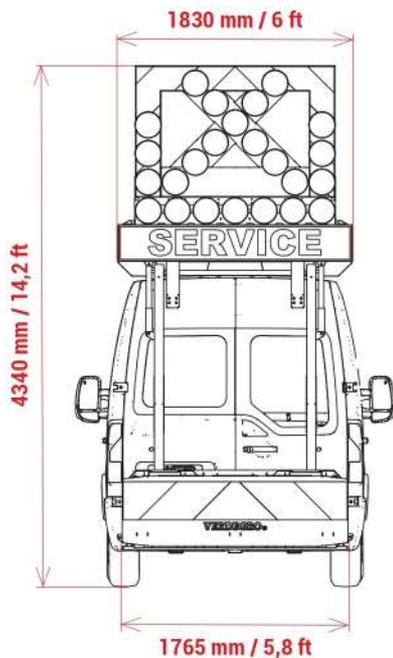
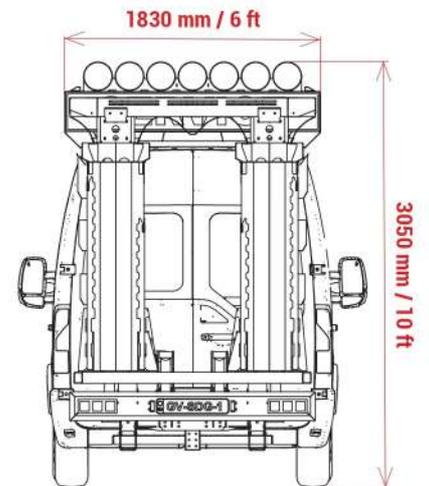
The VanGuard is fully customisable. It can match any RAL colour, be fitted with different arrow boards and/or VMS signs, and is available in three variants. The VanGuard is available in both 12 / 24 Vdc.



# TECHNICAL INFORMATION



**NOTE:** Dimensions shown are for the VanGuard rear mounted; dimensions may differ per variant.



## GET YOUR GOODIES

Pre-order the VanGuard TMA and receive **free goodies!** We'd love to see your VanGuard in action, send a photo to [pr@verdegro.com](mailto:pr@verdegro.com) to appear in our next catalog.



305 ± 25,4

# WHY VANGUARD TMA?



**IT PREVENTS VEHICLE DAMAGE, COSTS AND SAVES LIVES OF ROAD USERS AND ROAD WORKERS!**

**Interested?**

Contact: [sales@verdegro.com](mailto:sales@verdegro.com) for more information.

## TESTED AND PATENTED

TESTED ACCORDING TO CEN/TS 16786  
AT SPEED CLASS 80 KM/H



### PATENT NO.

The VanGuard is protected by two separate patents covering distinct components of the system. These include the crash cushion itself, as well as the tow hitch and the top mounting mechanism.



### The patent numbers included:

EU: EP25200675.4 (*patent pending*)

NL: NL2038628 (*patent pending*)

EU: EP34141397

CN: 201780012010-9

HK: 1259882

# VERDEGRO® USA

[SALES@VERDEGRO.COM](mailto:SALES@VERDEGRO.COM)

[www.verdegro.com](http://www.verdegro.com)



Verdegro USA LLC | 1700 W. Irving Park RD Suite 209A

Chicago, IL 60613, USA | [sales@verdegro.com](mailto:sales@verdegro.com)

+1 (786)-408-5709 | +1 (786)-431-3097



Verdegro Group | Munnikenheiweg 59

4879 NE | Etten Leur, The Netherlands

+31 (0)76 - 50 17 990 | [info@verdegro.com](mailto:info@verdegro.com) | [www.verdegro.com](http://www.verdegro.com)

