

HORTON OCCUPANT PROTECTION SYSTEM

# HOPS™

Featuring  
**MBRACE** 



**INDUSTRY-LEADING PROTECTION**  
FOR FIRST RESPONDERS

 **Horton**<sup>®</sup>  
STRENGTH & SAFETY IN EVERY DETAIL™

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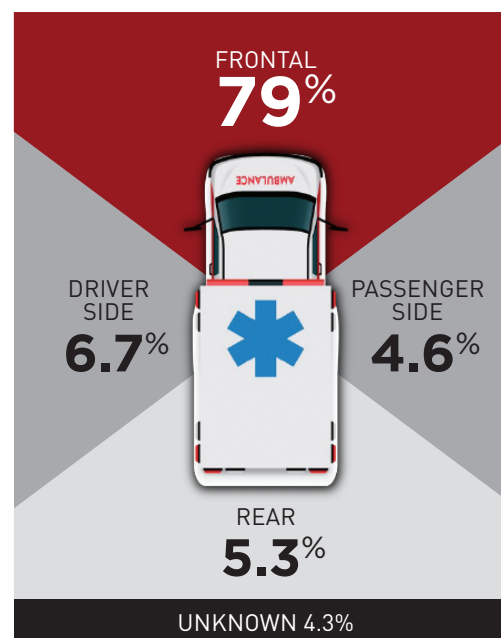
# THE FIRST FRONTAL IMPACT AIRBAG SYSTEM FOR AMBULANCE PATIENT COMPARTMENTS

Ambulance accidents can happen in an instant; that's why a crucial part of Horton's DNA is safety, protecting first responders so they can perform their critical lifesaving duties. Research shows that most ambulance accident fatalities result from frontal collisions.\* They can turn crews into moving projectiles, causing harm to them and their patient—so we build strength and safety into every detail of our ambulances with features like the exclusive Horton Occupant Protection System™ or HOPS™.

The newest addition to the HOPS system is **Mbrace™**, a patent-pending, advanced safety system that is the culmination of years of research, engineering, design and testing. It integrates an airbag into the best-in-class, 4-point retractable harness. It's estimated that 2,000 EMS workers are injured each year in work-related motor vehicle accidents.\*\* That's why it's important to protect them in frontal, as well as rollover events, and **HOPS featuring Mbrace** is the first to do both.† No one else has it. Not even close.



HOPS FEATURING Mbrace HAS GONE THROUGH YEARS OF RESEARCH AND ENGINEERING WITH EXTENSIVE FRONTAL-IMPACT COLLISION TESTING.

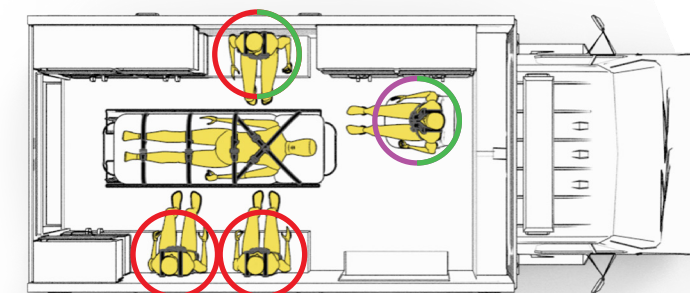


IMPACT DIRECTION OF FATAL AMBULANCE CRASHES\*



## Safety and Freedom to Work

**HOPS featuring Mbrace** is innovatively designed to give first responders the freedom to do their jobs—providing access to patients and supplies while remaining secured in a 4-point harness with one point of connection.



- PROTECTED BY Mbrace
- PROTECTED BY ROLLTEK® AIRBAG SYSTEM
- PROTECTED BY PER4MAX® AND PROGRESSIVE HEAD FOAM

## The New Horton Standard

**HOPS featuring Mbrace** is now standard on all new Horton ambulances for side-facing positions, which include the CPR seat and squad bench. **Mbrace** is exclusively available on Horton ambulances and as a retrofit option for most existing and remount Horton models.



## TAKING SAFETY TO THE NEXT LEVEL

Currently, other airbags deploy from the walls of an ambulance during rollover accidents. **Mbrace** integrates an airbag into the multi-point restraint system. It deploys within a fraction of a second and moves with the occupant in frontal impact collisions and rollovers. It significantly increases neck and head protection by securing and limiting spinal and head movement.\*\* **Mbrace** is always active and not designed to be disabled.



## EASY-RELEASE, ONE-CLICK BUCKLE

Thanks to a low-profile, commercial-duty engineered buckle, responders can quickly buckle in or remove their belt when time is of the essence. It's easy in and easy out.



## PARTNERING WITH THE BEST

Horton partnered with IMMI®—the industry leader in the design and manufacturing of safety systems—on the research, engineering and design of **Mbrace**, the first advanced safety system of its kind for ambulances.

**HOPS featuring Mbrace** underwent years of extensive validation and dynamic testing at CAPE, the Center of Advanced Product Evaluation, which is recognized around the world as the premier testing facility for commercial and specialty vehicles.

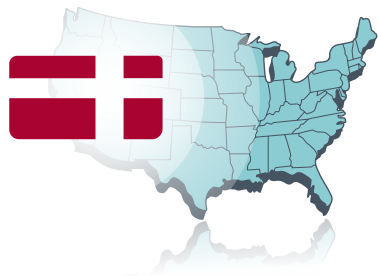
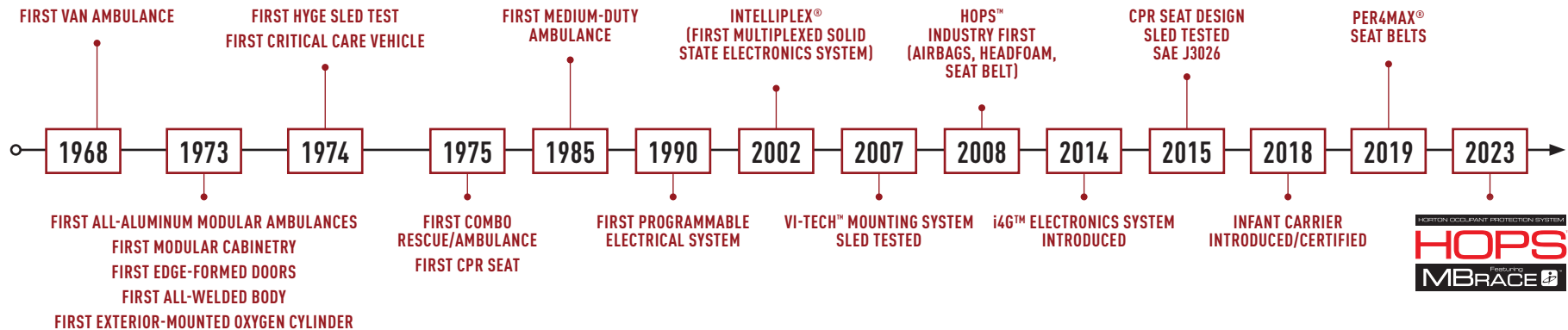




# LEADING THE WAY IN EMS SAFETY

At Horton, protecting EMS crews and their patients is in our DNA. It's why we build strength and safety into every detail of our ambulances. Just like you, we're in the business of saving lives. We're continually innovating industry-first features that exceed expectations and assist you in performing your vital work.

## A LEGACY OF INNOVATING FOR EMS



Our network of independent dealers, backed by the Horton team and REV Finance, are ready as your first line of defense when you need support.



Scan to find your local dealer.

## DISCOVER MORE ABOUT MBRACE

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Fax	614.539.8165		

\*SOURCE: NHTSA Fatality Analysis Reporting System (FARS). 1991-2000; Green J. et al, "Reducing Vehicle Crash-Related EMS Worker Injuries Through Improvements in Restraint Systems," World Congress on Safety & Health at Work. 9/05

\*\*DHHS (NIOSH) Publication No. 2017-194

†immineet.com