

THE **SIMPSON** ENVELOPE OF SAFETY.

The Envelope of Safety is the zone around the driver where the most crucial elements of safety begin. Simpson Performance Products designs, develops and rigorously tests each and every product to enhance the Envelope of Safety. Our driver restraints, cage nets as well as head and neck protection all work together as an integrated system to control and manage crash energy to provide the best available protection from injury.

RESTRAINTS

Simpson's Envelope of Safety begins with the new Platinum Series belts. Made of polyester webbing, the tensile strength is increased by 20% while elongation (or stretch) is decreased significantly during dynamic loading. Redesigned adjusters remain tighter and fully engaged on the belt for increased safety.

"We have found that the Platinum Series belts, especially in a six-point system, fit more snugly and hook up on the pelvis and hips to more efficiently control body motion," said Doug Doolen, Simpson Vice President of Sales and Marketing. "The Platinum Series belts catch the body earlier in the crash equation, minimizing momentum buildup and allowing more time to ride the energy down, reducing the whipping effect."

Platinum Series six-point system restraints are available as CamLock, Latch & Link, Dual Sub Latch (DSL) and Latch F/X Systems. Also, all Simpson five-point CamLock, Latch & Link and Latch F/X systems can be upgraded to the Platinum polyester webbing.

SIMPSON'S HEAD AND NECK RESTRAINT DEVICE

A vital element of the energy management equation, the Simpson Head and Neck Restraint slows forward motion in the event of a crash. "The Envelope of Safety begins when the driver's restraints and the head and neck

device both engage to ride the crash energy down. With 6,000-pound webbing, quick release clips tested to 3,800 pounds and double helmet hooks to allow for rearward load change, this energy is managed quite effectively." Doolen added.

The Simpson Head and Neck Restraint device does not tie to the belts, so it operates in a wider range of cars while allowing easier ingress and egress. It has no dangling anchor, and one size fits 90% of drivers. Youth sizes are also available. Recent sled

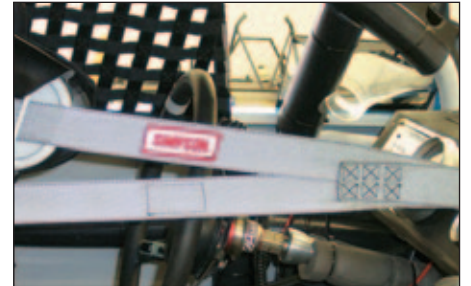
tests indicate that the Simpson Head and Neck Restraint device reduces neck tension by up to 30% and helps alleviate fatigue in the neck and upper back.

WINDOW AND CAGE NETS

By preventing foreign objects from entering the cockpit, window and cage nets provide a critical layer of protection. They also help guide and position the body during impact. Simpson engineers are currently developing a right side restraint net that works with the seat headrest and shoulder support to prevent the driver from going out and around the seat during high energy angular frontal impacts.

The Envelope of Safety is a result of Simpson's commitment to protecting racers. Continuous quality control checks -- on and off the track -- are

hallmarks of Simpson innovation. Driver restraints are quality checked in five critical areas. And all Simpson restraints, including the new Platinum Series belts, are subjected to testing at independent



Right-Side Restraint Net

labs for both tensile strength and dynamic performance (sled testing). They're also regularly tested with the SFI Foundation to ensure ongoing compliance with SFI 16.1.

SIMPSON ENVELOPE OF SAFETY CHECKLIST

PROPER RESTRAINTS

- Belt/harness System with proper installation
- Head and Neck Restraint Device
- Window and Cage Nets

FIRE PROTECTION

- Nomex® firesuits
- Nomex® gloves and shoes
- Nomex® underwear
- Nomex® head sock

HEAD PROTECTION

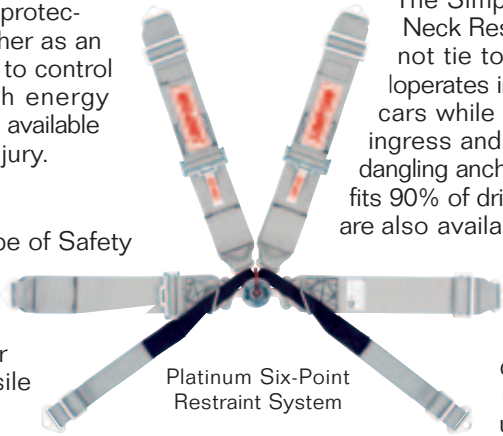
- Helmets with proper fit

Since 1959, Simpson Performance Products has led the motorsports industry in safety innovation. We continually elevate safety standards through our dedication to continuous development, refinement and testing. The Simpson Envelope of Safety reflects the highest standard of safety available. And when you're on the track, that's exactly where you want to be.



Every Race. Every Track. Every Lap.

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Platinum Six-Point Restraint System



Head & Neck Restraint

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