



SFI Specification 38.1 Head and Neck Restraint Systems



The SFI Foundation has established Specification 38.1 "Head and Neck Restraint Systems" as a partner to their other standards for specialty/performance automotive and racing equipment.

Conformance with this new specification requires demonstrations that equipment, like the HANS® Device, meets or exceeds performance standards established by experts in driver safety.

Devices are tested both when a manufacturer, like HANS® Performance Products, enters the program, and on a periodic basis thereafter.

All testing is conducted by an independent laboratory, is authenticated by a state registered Professional Engineer, and is observed by an SFI official.

In a test, devices are fitted to a crash dummy in a dynamic crash sled configured to replicate a racecar environment.

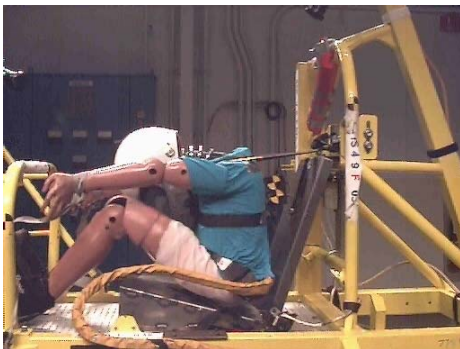
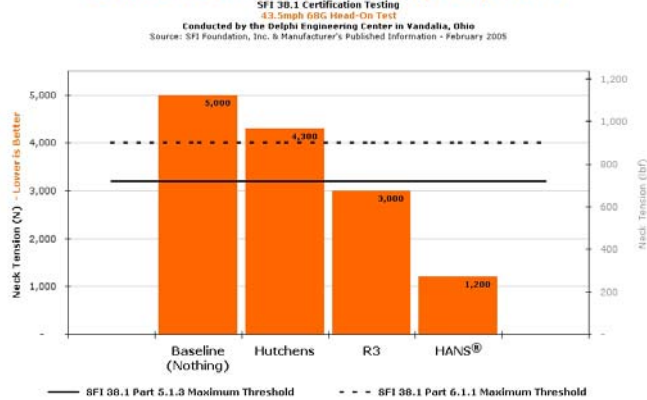
The crash dummy is restrained by a Nylon SFI Specification 16.1 six-point driver restraint system provided by SFI.

A minimum of two frontal crash tests and one 30° right frontal crash test are conducted. Each test represents a 43.5 mph (70 kph) crash.

For a device to "pass" the first time, the crash dummy's neck tension and compression must be less than 720 lbf (3,200 N) in all the tests. Any result over 900 lbf (4,000 N) is considered an outright failure.

Once SFI's performance and other requirements are met, a manufacturer may advertise, promote and offer a Head and Neck Restraint System for sale with the representation that their product meets SFI Specification 38.1.

HANS® - The Clear Choice When Safety Really Matters



Without HANS®



With HANS®

Thanks to The SFI Foundation, Inc., Hedrick Motorsports, and the Delphi Engineering Center located in Vandalia, Ohio.

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