

Using HANS® Devices

These short notes are designed by HANS® Performance Products to help users and racecar constructors create a HANS® friendly installation. Further details are available in our Owners Manual (see www.hansdevice.com).

Harness Systems

We invented, designed and have developed HANS® devices around high performance multi-point harness systems that use two 3 inch wide shoulder belts. There may be other systems based on narrower belts that work, but we do not endorse any.

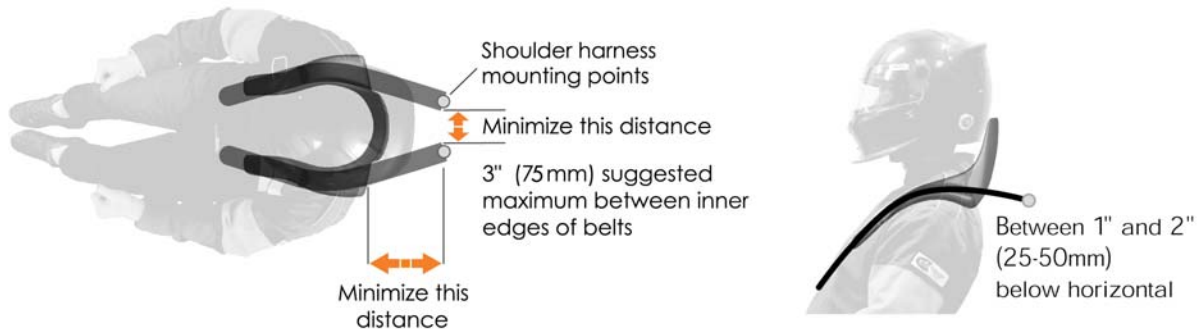
We have seen that polyester offers advantages over nylon as a belt material. We have also seen that 6 point or more systems restrain users better than 5 point or less systems. While none of these factors change the way a HANS® device works, we think that users should choose all aspects of their safety system with care. Regardless, all systems should be installed, inspected and replaced according to their manufacturer's instructions.

Shoulder Belt Mounting

Shoulder harness anchors should be mounted between 1 inch (25 mm) and 2 inches (50 mm) vertically below the highest point of the friction surface on the HANS® yokes, and no more than 8 inches (200 mm) rearward of the user.

Harness anchors should be mounted as close together as possible. We recommend that anchorages be set so that the inner edges of the belts are no more than 3 inches (75 mm) apart in plan.

Anything different is probably against best harness practice guidelines and may compromise both harness and HANS® performance.



Seats & Close Fitting Bodywork

To ensure comfort, free user movement and HANS® device performance, there should be clearance between a user's device and their seat, headrest and any bodywork. It may be necessary to reshape seat and headrest padding. Experience says that 1½ inches (40 mm) between the user's helmet and seat/headrest seems to work well.



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