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HANS®

WORLD LEADER IN
MADE-TO-MEASURE
EQUIPMENT FOR
RACING DRIVERS
FROM HEAD TO TOE...

RACING SERVICE

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THE HANS® SYSTEM It works!!!



engineered by
stand21

Manufactured
by Stand21

THE HANS® SYSTEM

Stand 21 is one of the three world HANS® manufacturers...

The HANS® System was the missing link in the motorsport chain of safety. When this revolutionary head and neck restraint, created by Jim Downing and Bob Hubbard, had to find new ways to be spread among drivers, Stand 21, thanks to the reputation of its products, was chosen as one of the only two world licensees for the system development and marketing. The result is a unique range to protect the essence of auto racing: the driver.



Extracts from the FIA rules:

- Wearing a head restraint approved by the FIA will be **mandatory** for all drivers and co-drivers in international events as follows:
- In events of the FIA World Cup for Cross-country Rallies: seeded list from 1 January 2007, others from **1 January 2008**;
 - In all other FIA championships, trophies, cups and challenges: from **1 January 2008**.
 - In all events entered on the FIA International Sporting Calendar: from **1 January 2009**.

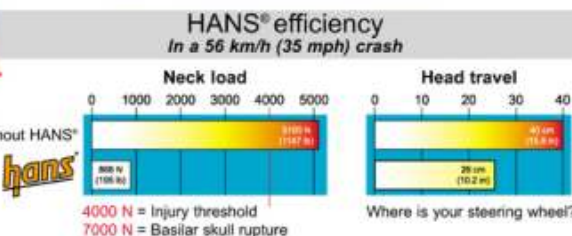
Be careful! Check with the federation governing your championship: decisions to make the HANS® System mandatory can be very sudden and it is not advisable, in terms of comfort and safety, to install the HANS® System at the last minute or in a short notice.



! You can use a HANS® System with a FIA/HANS® approved helmet only (FIA technical list #29).

1. Frontal impact with HANS®

2. Frontal impact without HANS®



Frontal impact in a 56 KMH (35mph)crash

A. with HANS®

B. without HANS®

The HANS® Hi-Tec
The widest choice of inclines and sizes.
The lightest on the market!



Weight (fully equipped):
610 gr. (20°M)
Delivered with black, blue, yellow, red or orange padding (with order) and sliding tethers for greater freedom of head movement.

Hi-Tec	10°	20°	25°	30°	40°
SMALL	NA	●	●	NA	NA
MEDIUM	●	●	NA	●	●
LARGE	NA	●	NA	●	NA

Having forecast a logical development of the HANS® System as well as the need for cheaper but quality systems, Stand 21 decided two years ago to start developing a new exclusive model benefiting from a brand new technology: the 20ML Racing Series.

The rest of the range has also been updated and optimized, which now allows us to present three sets of HANS® System to suit everyone.

The HANS® 20ML Racing Series
A very affordable HANS® System which optimizes your comfort. Fits most drivers.
(See applications for a 20° on the next page).



Weight (fully equipped): **805 gr.**
Delivered with black, blue, yellow, red or orange padding (with order) and sliding tethers for greater freedom of head movement.

The HANS® 20° Sport Series
A very competitive price.



Available in sizes M and L
Weight (fully equipped):
1,160 gr. (20°M)
Delivered with dark blue padding and sliding tethers for greater freedom of head movement.

HOW TO CHOOSE YOUR HANS®

Choose your HANS® System depending on:

- Your neck circumference
- The recline of your seat

WORLD EXCLUSIVE!
A range suiting every driver!

5 inclines:

- **Series 10:** Used for a very upright position (Rally...)
- **Series 20:** Straight seating, used in berline, GT, rally...
- **Series 25:** For young drivers and women
- **Series 30:** Half-laid down seating, used in single seaters and prototypes
- **Series 40:** Laid-down seating, used in certain cases of single seaters

3 width:

- **Small:** Neck circumference less than 38 cm (15 inches)
- **Medium:** Neck circumference between 38 and 45.5 cm (15 to 18 inches)
- **Large:** Neck circumference over 45.5 cm (18 inches)
- **Special:** Contact us

Post anchors must be fixed by a professional, certified by the manufacturer.

Air padding

The new generation!
Avoid comfort problems by distributing the pressure on your shoulders evenly. Adaptable to all HANS® Systems.



Post anchors set



Black, FIA homologated (blue or red available with a 200 set-minimum order).
With a lug to limit tether rotation.

HANS® & helmet bags



Manufactured by Stand 21 since 2003

hans® engineered by stand21



You must consult a professional to help you choose your HANS® System!

Sliding tethers

Allow great freedom of movement of the head compared to traditional tethers.
Fit any HANS® models.
Specify your HANS® System and helmet models with order.



Spare Padding

You can open and add comfort foam if necessary.
Available in black, blue, yellow, red and orange.



Quick release tethers

Allow to release the helmet from the HANS® quickly.
Fit any HANS® models.



Consult the technical list #29 on the FIA website to find helmets approved with the HANS® System www.fia.com (All Stand 21 helmets comply with it).

For your safety, use a 3-inch harness FIA standard homologated with your HANS® System.

Sliding tethers

HOW TO INSTALL YOUR HANS® SYSTEM

Manufactured
by Stand 21
since 2003

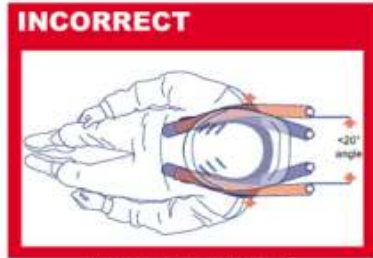
hans® engineered by
stand21®



1 Your HANS® System must be positioned between your shoulders and your harnesses. Don't ever put anything between your harnesses and your HANS® System. Harnesses fasteners must be positioned on the HANS® System lower part.

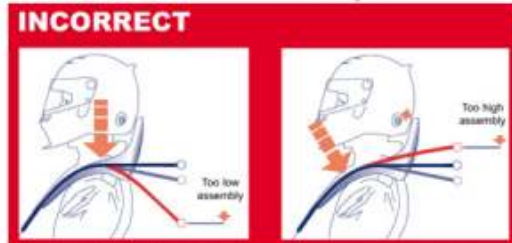
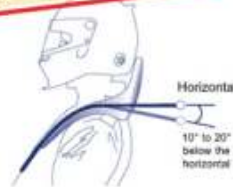
2 **!** Feel free to contact your Stand 21 technical advisor if you encounter any problems...
Your harnesses upper fasteners must be correctly positioned to ensure you maximum efficiency with the HANS® System. Follow these instructions carefully.

Position of the harnesses upper fasteners



Harnesses belts might slip off the HANS® System

! To modify in any ways your HANS® System (such as cutting it) would make it automatically lose its FIA homologation and could make it become dangerous!



Belts are not fulfilling their function, There is too much pressure on the driver's shoulders.

Wrong position of the HANS® System and risk of contacts with the helmet.

! The FIA has established a rule imposing the marking of post anchors and tethers in addition to the one on the Carbon part, as well as a sticker certifying that the manufacturer has indeed installed the post anchors on the shell.

HANS®: TESTIMONIES

The HANS® System is the greatest safety innovation since the full-face helmet and the fireproof racing suit. It reduced by 80% the risk of basilar skull ruptures or muscle elongation in a sharp deceleration (1st cause of death in motor racing). Each day, testimonies from around the world at all levels of motorsport highlight its effectiveness and attest to its use. Evidence of drivers' awareness: 2 out of 3 buy a HANS® System whereas it is not compulsory in their series yet. This system can also be used with an open helmet much more safely.



"Following a mechanical failure, my car went violently, face first, into a tire wall at about 150km/h. Although the frontal impact was harsh, my head was perfectly restrained by the HANS® System. But most of all for me, was the fact I didn't feel a thing (no pain in my cervical vertebrae neither at the time of the crash nor the following days).

However, last year, I crashed at moderate speed but this time without the HANS® System. I suffered from neck pain for several weeks. I am therefore highly satisfied with this system and I consider it is logical to make it mandatory in all motorsport series."

Julien Collin, 23 years (VdeV, Peugeot Sport meetings)

"I am now a confirmed Stand 21 and HANS® "fan" and please add my endorsement to your products having survived a large impact with relatively minor injuries where I am sure it would have been a lot worse if I had not been wearing the helmet and the HANS® System. I can confirm the Stand 21 helmet and HANS® System worked very well and I have no sign of any neck strain.[...] I did feel a heavy impact to my head and have two black eyes to prove it!"

Paul Hocking, vintage driver on a Fiat Abarth 850.



"Exactly at the breaking point when going down from fifth gear to fourth and third for a rather tight right corner, we lost complete control of the car (due to wet surface), which accelerated instead of breaking. We hit a gravel wall (located at exactly 80 cm from the end of the road) at the speed of 115 km/hour and our speed was brought to "0" in less than one second. This information was found from the car's data.

According to our calculations the impact was 35 Gs approx.!!! [...] Both members of the crew strongly believe that the use of the HANS® System device has saved their lives. Both systems as well as the helmets have (and will be) replaced."

A.Vovos-"El-Em", Greek rally driver & co-driver



"Since Stand 21 obtained the confidence of the HANS® creators to **develop, manufacture** and distribute this essential piece of safety equipment, we have put every effort into informing drivers, teams, manufacturers, clubs, organizers, federations... on this new system through lectures given by our engineers, our medical team and through technical presentations given by our distribution network members and other media.

We also toured the world's paddocks to install the HANS® System directly into the drivers' cars of all series and it is now with great satisfaction that we notice the continuous decrease in fatalities implied by basilar skull fractures despite a growing number of drivers and an increase in violent crashes."

Roman Morizot,
Stand 21 General Manager.



WE STAND FOR SAFETY AND QUALITY!