

Race Track not Street - 2023 Calverton NHRA Safety Rules

All cars must meet NHRA Rules and pass technical inspection

This is general information only and you should always refer to the current "Official NHRA Rule Book".

Street Cars

The following items are required for a vehicle and driver to pass tech: Good tires, a solid battery hold down, radiator overflow reservoir, functioning neutral-safety switch, seat belts, and a valid state driver's license or NHRA competition license for all participants. **The driver must wear long pants, closed toe shoes, and a shirt.**

13.99 seconds (8.59 1/8th)

Drive Line Loop with slicks

Approved helmet (Full face in open cars), see below

SFI 3.2A/1 Jacket in vehicles equipped with non-OEM nitrous oxide, turbochargers or superchargers

13.49 seconds (8.25 1/8th)

Roll bar in convertibles

SFI seat belts in convertibles

11.99 seconds (7.49 1/8th)

Steel Valve Stems

Arm Restraints (open cars)

11.49 seconds (7.35 1/8th)

SFI 1.1 or 1.2 Flywheel / Clutch

SFI 6.1, 6.2, 6.3 or 9.1 Flywheel shield

SFI 3.2A/1 approved jacket

6 point roll bar

SFI approved seat belts

10.99 seconds (6.99 1/8th) or Super Street

SFI 4.1 Transmission Shield, or at 135 mph

Locking transmission dipstick tube

Aftermarket axles and axle retainers

SFI Harmonic Balancer

Roll Cage with altered floor pans, or 135 mph - Window net required

9.99 seconds (6.39 1/8th) or Super Gas or 135 mph

NHRA Chassis Certification

NHRA Competition License

SFI jacket & pants 3.2A/5

SFI neck collar & gloves 3.3/1

SFI 29.1 flexplate / 30.1 flexplate shield (AT equipped cars)

Full Face Helmet meeting Snell or SFI specifications

150 MPH

Parachute

License

Drivers 16 and 17 years of age must have a valid waiver signed by both parents to participate as a driver or passenger. Virtually anyone can compete in drag racing. Drivers 18 years of age and over are required to have Valid State Driver License, and must be capable of the safe operation of their vehicle.

Vehicles running 6.39 E.T. (Elapsed Time) and quicker require a NHRA Competition License and the chassis must have a current NHRA Chassis Certification.

Auto Trans Reverse Lockout

Any non-OEM (ie aftermarket) automatic floor-mounted transmission shifter must be equipped with a spring-loaded, positive reverse lockout device to prevent the shifter from accidentally being put in reverse gear. A functional neutral safety switch is also required.

Roll Bars

Unless otherwise required by your class, 6 point roll bars are required on convertibles running quicker than 8.25. Roll Bar required on all cars (including T-tops) running quicker than 7.35.

Roll Cages

Roll cages required on convertibles running 6.99 or faster than 135 mph.

Roll cages required on all cars running 6.99* or faster than 135 mph.

* One exception: Full-bodied cars running between 6.4 and 6.99, with unaltered firewalls, floor and body, (from the firewall rearward - wheel tubs permitted) can compete with just a roll bar.

Vehicles running 6.39 E.T. (Elapsed Time) and quicker require a NHRA Competition License and the chassis must have a current NHRA Chassis Certification.

Helmets

Drivers of all 8.59 or quicker cars, including motorcycles, must wear a helmet meeting Snell or SFI Specifications. Full-face helmet mandatory on all cars 9.99 (1/4 mile)/6.39 (1/8 mile) or quicker.

DOT ONLY HELMET
ONLY 8.59 AND SLOWER



Nitrous Oxide

Commercially available nitrous oxide permitted, including supercharged and turbocharged engines. Nitrous bottle(s) in driver compartment must be equipped with a relief valve and vented outside of driver's compartment. Bottle(s) must be

stamped with a DOT-1800 pound rating and permanently mounted (no hose clamps or tie wraps). Hoses from bottle(s) to solenoid must be high-pressure steel-braided or NHRA-accepted hoses. Commercially available, thermostatically controlled, blanket-type warmer accepted. **Any other external heating of bottle prohibited, i.e. torches absolutely forbidden.**

Liquid Overflow

All cars must have a recovery system or catch can (minimum of 16 oz.) for the car's radiator.

Drive-shaft loop

For cars with driveshafts that contain universal joints: For all full-bodied and open-bodied cars running between 7.50 (*4.50) and 13.99 (*8.59) in place of a crossmember located behind but within 6 inches of the center of the front universal joint: A front driveshaft loop is required on all cars, except vehicles running 11.49 (*7.35) seconds or slower equipped with street tires.

Battery Relocation

If the battery is not in the stock location, and relocated to the trunk, for example, you must have an external cut-off switch on the back of the car which cuts off the electrical system and must also stop the car from running.

Seat Belts

All cars must be equipped with an accepted quick release type driver seat belt. All cars in competition requiring a roll bar or roll cage, or as outlined by Class Requirements, require a Driver Restraint System as outlined below.

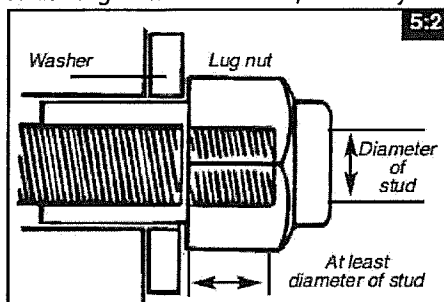
Driver Restraint Systems

A quick-release, 3-inch shoulder harness meeting SFI Spec 16.1, including crotch strap, is mandatory in all cars in competition required by the rules to have a roll bar or a roll cage. Driver restraint system must be clearly labeled as meeting SFI Spec 16.1 and be dated by manufacturer. System must be updated at two-year intervals from date of manufacture. All seat belt and shoulder harness installations must be mutually compatible, originally designed to be used with each other, and produced by the same manufacturer. Cars using OEM or OEM type seat may route crotch strap in front of seat instead of through seat. Only those units that release all five attachment points in one motion are permitted. When arm restraints are worn with a restraint system that utilizes a "latch lever", a protective cover must be installed to prevent arm restraint from accidentally releasing the latch lever. Protective cover not needed if system uses "duckbill" latch hardware. All harness sections must be mounted to the frame, cross member, or reinforced mounting, and installed to limit driver's body travel both upward and forward. Seat belts may not be wrapped around lower frame rails. Under no circumstances are bolts inserted through belt webbing permitted for mounting. Check manufacturer's instructions.

Wheels & Lug Nuts

All wheels must have ALL lug nuts in place and securely fastened. All street tires must have minimum 1/16 inch tread depth.

Vehicles with slicks must have open ended lug nuts. The thread engagement on all wheel studs to the lug nut, or lug bolts to wheel hubs, must be equivalent to or greater than the diameter of the stud/bolt. Length of the stud/bolt does not determine permissibility. (Example: A 7/16-inch stud must be thoroughly engaged through the threads in the hex portion of the lug a minimum of 7/16-inch.)



NHRA Helmet Expiration Dates

Label	Expires	Label	Expires
Snell 2015	1/1/2027	SFI 24.1/2020 (JDRL only)	1/1/2032 Snell CMR
Snell 2020	1/1/2032	2016 (JDRL only)	1/1/2028
SFI 31.1 and 41.1/2015	1/1/2027	SFI 31.1	FIA 8860-2010
and 41.1/2020	1/1/2032	SFI 24.1/2015	FIA 8860-2015
(JDRL only)	1/1/2027		FIA 8860-2018
			1/1/2028
			1/1/2033
			1/1/2036

Structural modifications to helmet/shield are prohibited. Cutting of helmet or helmet shield prohibited. Helmet must remain as manufactured, except for paint scheme/graphics and permitted non-structural driver modifications to helmet shield as set forth below. Taping or similar modifications to the helmet shield made by the driver that reduce the driver's field of vision, and are deemed safe by driver in the driver's judgment, are permitted at this time so long as the driver can demonstrate to technical inspectors that the purpose of the modification is to reduce distraction in the driver's field of vision. By using such a modification to the helmet shield, the driver acknowledges and agrees that the driver deems such modification safe in the driver's judgment consistent with the driver's obligations in Section 1, Participant Agreements and Administrative and Procedural Rules, set forth above, and that the modification does not impair or interfere with the safe operation of the driver's vehicle. See General Regulations 7:8.

10:8 NECK COLLAR/HEAD AND NECK RESTRAINT DEVICE/SYSTEM

Neck collar must be commercially produced and designed for racing. Two different types of collars are commercially available: a full 360-degree "donut" type or a pull-together "horseshoe" type. Modification according to manufacturer's recommendations to fit helmet and driver's neck/shoulder spacing permitted. Must be worn as per manufacturer's recommendations. Must meet SFI Spec 3.3 as per class rules.

Neck collar meeting SFI Spec 3.3 mandatory in all open-bodied cars and any car running 9.99 (*6.39) or quicker or cars exceeding 135 mph. A head and neck restraint device/system may be used in lieu of a neck collar.

A head and neck restraint device/system meeting SFI 38.1 is mandatory for any vehicle running 200 mph or faster or running 7.49 (*4.49) or quicker or by Class Requirements.

Beginning January 1st, 2024, A head and neck restraint device/system meeting SFI 38.1 is mandatory for any vehicle running 150 mph or faster for 1/4 or 1/8 mile or running 7.49 (*4.49) E.T. or quicker or by Class Requirements. An SFI 38.1 head and neck restraint device can be used with, or without, a neck collar; when a neck collar is not used, an SFI 3.3 head sock or SFI Spec 3.3 skirted helmet is required.

When using a head and neck restraint device/system, at all times that the driver is in the race vehicle, from the ready line until the vehicle is on the return road, driver must properly utilize the SFI-approved head and neck restraint device/system, including connecting the helmet as required for full functionality of the device. The device/system must meet SFI Spec 38.1 and must display a valid SFI label. The head and neck restraint device/system, when connected, must conform

Item	6.00 to 7.49	7.50 to 9.99	10.00 to 10.99	11.00 to 11.49	11.50 to 13.99	14.00 & Slower	Expiration
Master Electrical Cutoff Switch	Y	Y	8:4 / 135 mph	8:4	8:4	8:4	8:4
Neck Collar (SFI 3.3)	Y	Y	10:8	10:8	10:8	10:8	10:8
NHRA Competition License	Y	Y	10:4	10:4	10:4	10:4	10:4
NHRA Chassis Sticker	Y	Y	4:4	4:4	4:4	4:4	4:4
Padding Roll Bar/Cage	Y / SFI	Y / SFI	Y / SFI	Y	10:6 / 135 mph	10:6 / 135 mph	
Parachute	Y	Y / 150 mph	4:8	4:8	4:8	4:8	4:8
Pressurized Bottles DOT (1800)	Y	Y	Y	Y	Y	Y	Y
Protective Clothing SFI 3.2A/15; 3.2A/20; 3.2A/25; 3.2A/30 Driver's Suit	Y	Y	Y	Y	10:10	10:10	10:10
Roll Bar	Y	Y	Y	Y	Y	Y	5 years, incl. year on tag
Roll Cage	Y	Y	Y / 135 mph	Y	C / 13.49	4:10	4:10
SFI Chassis Specification SFI 2.1; 2.2; 2.3; 10.1; 10.5; 25.1 Full Body Chassis Spec; Pro Stock SFI 2.4; 2.5; 2.6; 2.7; 10.2; 10.3; 10.4; 25.1 Adv. E.1.1; 25.2; 25.3; 25.4; 25.5	Y	4:4 / 180 mph	4:4	4:4	4:4	4:4	4:4
Supercharger Restraints (SFI 14.1; 14.2; 14.2.1; 14.3)	Y	1:11	1:11	1:11	1:11	1:11	3 years
Tailight	Y	Y	Y	Y	Y	Y	1:11
Transmission Flexplate (SFI 29.1)	Y	Y	2:14	2:14	2:14	2:14	2:14
Transmission Locking-Type Dipstick	Y	Y	Y	Y	Y	Y	3 years
Transmission Reverse Lockout	Y	Y	Y	Y	Y	Y	Y
Transmission Shield (SFI 4.1)	Y	Y	Y	2:14	2:14	2:14	2:14
Window Net Full-Bodied Cars	Y	Y	6:3 / 10:3	6:3 / 10:3	6:3 / 10:3	6:3 / 10:3	Rigid, 5 yrs.; Handle, 2 yrs.

Thank you for being an NHRA Member. It is always our privilege to serve you. To renew or join, visit NHRAracer.com.

NHRA E.T. QUICK REFERENCE CHART & SFI EXPIRATIONS

Y = Required • 0 = Convertibles • Numbers Refer to General Regulations • Years Refer to SFI Expirations • In no way is this Quick Reference Chart intended to supersede or replace the current NHRA Rulebook (quarter-mile e.l.s.)
 Unless otherwise noted in this E.T. Quick Reference Chart, refer to SFFoundation.com for the latest version of all non-chassis specifications. Also, unless otherwise noted in this document, refer to
 TechCom, NHRA.com for the latest SFI chassis specification versions. Note: Only certified NHRA chassis inspectors and authorized NHRA officials have access to TechCom, NHRA.com. An item with an expiration
 period must be returned to the original manufacturer for inspection and recertification at the end of this period before it can be permitted for further use at an NHRA event.

Item	6.00 to 7.49	7.50 to 9.99	10.00 to 10.99	11.00 to 11.49	11.50 to 13.99	14.00 & Slower	Expiration
Aftermarket Rear Axles	Y	Y	Y	2-11	2-11	2-11	
Arm Restraints (Open-Bodyed Cars)	Y	Y	Y	Y	10:3 / 11:99	10:3	
Bellhousing (SFI 6.1; 6.2)	Y	Y	Y	Y	2:10	2:10	
Driver Restraint System (SFI 16.1; 16.5)	Y	Y	Y / 10:5	Y / 10:5	C / 10:5	10:5 / 10:11	2 years
Driveshaft Loop	Y	Y	Y	Y	2:4	2:4	
Electric Vehicle 16.00 & Quicker	Y	Y	Y	Y	Y	2:4	
Flexplate Shield (SFI 30.1)	Y	Y	2-14	2-14	2-14	2-14	5 years
Flywheel/Clutch (SFI 1.1; 1.2)	Y	Y	Y	Y	2:5	2:5	2 years
SFI 1.1: Single-Disc Clutch & Flywheel Assembly, 1.2: Multi-Disc Clutch & Flywheel Assembly E.T. through Comp, PS	Y	Y	Y	Y	2:10	2:10	
Flywheel Shield (SFI 6.1; 6.2; 6.3; 9.1)	Y	Y	Y	Y	2:10	2:10	5 years
SFI 6.1: Flywheel Shield, Spec 1.1 & 1.2 (2-Disc Max. or 3-Disc, 8-inch Diameter Max.)	Y	Y	Y	Y	2:10	2:10	2 years
SFI 6.2: Flywheel Shield, Spec 1.2, 1.3, 1.4 & 1.5 Clutch (Check with Manufacturer; May Be Only 1 Year)	Y	Y	Y	Y	Permitted	Permitted	
Harmonic Balancer (SFI 18.1)	Y	Y	Y	Y	Permitted	Permitted	
Head & Neck Restraint Device/System (SFI 38.1)	Y	10:8 / 200 mph	10:8	10:8	10:8	10:8	5 years
Helmet	Y	Y	Y	Y	Y	10:7	
SFI 24.1/2015; 31.1/2015; 41.1/2015; Snell 2015	Y	Y	Y	Y	Y	10:7	exp. 1/1/2027
FIA 8860-2010; Snell CWR 2016 (JDRL only)	Y	Y	Y	Y	Y	10:7	exp. 1/1/2028
SFI 24.1/2020; 31.1/2020; 41.1/2020; Snell 2020	Y	Y	Y	Y	Y	10:7	exp. 1/1/2032
FIA 8860-2015	Y	Y	Y	Y	Y	10:7	exp. 1/1/2033
FIA 8860-2018	Y	Y	Y	Y	Y	10:7	exp. 1/1/2036
Liquid Overflow	Y	Y	Y	Y	Y	Y	