



December 15, 2021

To: Users of SFI Specs 2.6
From: SFI Foundation, Inc.
Subject: Spec 2.6C, Revision, effective December 3, 2021

The above referenced SFI Specs for Front Engine Dragster Roll Cage 7.50 Seconds and Slower have been revised, effective December 3, 2021. The revised version is designated as SFI Specs 2.6C and is immediately available from SFI for use by sanctioning bodies and chassis builders.

The extent of these revisions is indicated by underlining and highlighting as follows, and this document may be used in conjunction with the prior version of each Spec:

Section II.1:

1. All structural material for the roll cage, rear-end mounting and suspension mounting must be normalized SAE 4130 chrome-molybdenum steel (SAE 4130N) purchased to the requirements of military specification MIL-T-6736B and its subsidiary documents or equivalent, Docol R8 Steel Tube, or mild (carbon and alloy; seamed or seamless; round; as welded hot rolled, round; mandrel drawn & special smooth inside diameter, round; as welded cold drawn, round; hot finished, round; cold worked, round; rough turned seamless) steel tubing purchased to the requirements of ASTM A519 or A513 and their respective subsidiary documents or equivalent. Throughout this specification tubing diameter and wall thickness for SAE 4130N and Docol R8 are nominal sizes; however, considering the numerous methods of manufacture for mild steel, accompanied by all of the varied specification tolerances, the minimum acceptable wall thickness for all mild steel round **and oval** tubing is .118". The nominal wall thickness for mild steel rectangular tubing is .058". Plate thickness and bolt diameters are minimum requirements, unless otherwise specified.

Section II.4:

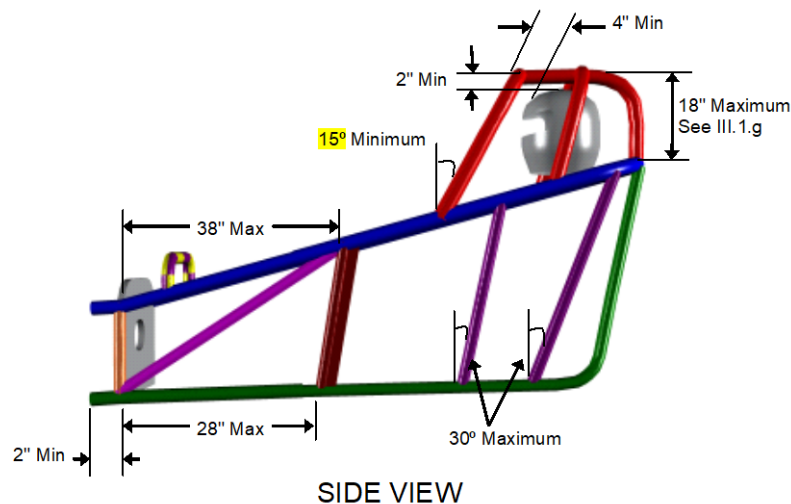
- Holes in the frame rail must have visible reinforcement with an oval or circular patch/cap, equal in area to the hole size. Any hole that **exceeds 33% of the diameter** of the parent tube must have a tube-type reinforcement. Nominal thickness .049" material must be used for all reinforcement of SAE 4130N tubing and minimum thickness .118" material must be used for all reinforcement of mild steel tubing and must be welded around the outside perimeter.

Section II.8:

- Diagonals and "K" members may be oriented in any direction, unless otherwise specified. Example: left to right, top to bottom, forward to rear, etc. Side bay and floor diagonals, X-members, and K-members must intersect within three tubing diameters of the intersection of the upright or cross member and the frame rail **within the same plane** (measured edge-to-edge, using tube diameter of the diagonal, X, or K.)

Section III.1.b:

- The forward roll cage hoop (#1) must be installed to shoulder hoops (#3) at a minimum angle of 15° from vertical. For requirements of chassis built prior to 2010 with a forward roll cage hoop angle less than 15° from vertical consult the "SFI 2.6 Legacy Tech Advisory" document available from SFI.**



Section III.2.a:

- a. For designs that use a transition of the lower frame rails (#17) into two back brace uprights (#19), the lower frame rails (#16 & #17) must be 1 1/4" x .058" or 1 3/8" x .049" tubing to and including the back brace uprights (#19). For all other designs, the entire lower frame rails (#16 & #17) must be 1 1/4" x .049" or 2" x 2" x .058" or 1 1/2" x 3" x .058 rectangular tubing and join together in the rear center.

Section III.2.b:

- b. The motor plate uprights (#9) must be 1 1/4" x .049", 1 1/8" x .065" tubing or 1 3/4" x 1" x .058" rectangular or 1 7/8" x 1 3/8" x .058" oval tubing.

Section IV.1:

1. UPRIGHTS

- a. Rear End Uprights (#8) of 1 3/8" x .049", 1 1/4" x .058 or 1 1/8" x .065" or 1 3/4" x 1" x .058" rectangular or 1 7/8" x 1 3/8" x .058" oval tubing on each side of the chassis with either one (1) 3/16" (4.7mm) SAE 4130N steel plate, one (1) 1/4" (6.4 mm) mild steel plate per side (no bosses required) or two (2) 1/8" (3.2mm) SAE 4130N steel plates per side with 3/4" (19 mm) minimum outside diameter bosses. Single plates must be fully welded to the rear end uprights (#8) and to the upper (#4) and lower (#16 & #17) frame rails on one side of each plate with 1/4" (6.4mm) minimum wrap around the upper (#4) and lower (#16 & 17) frame rails. The other side must be welded with one (1) inch (25.4mm) minimum skip welds. Double plates must be fully welded to the rear end uprights (#8) and to the upper (#4) and lower (#16 & 17) frame rails on one side of each plate with 1/4" (6.4mm) minimum wrap around the upper (#4) and lower (#16 & 17) frame rails.

Section IV.2:

2. BOLTED DIRECT

The rear end housing must have one (1) 3/16" (4.7mm) SAE 4130N steel plate or one (1) 1/4" (6.4mm) mild steel plate welded on each side of the housing. The plates must be fully welded to the housing and the plates and welds must wrap around the housing a minimum of 180°. Welding the bracket to the housing on only one side is acceptable unless the plate exceeds 1/4" in thickness.

Section IV.3:

3. BOLTED INDIRECT

One (1) plate required on each side of the housing. The material may be either 3/16" (4.7mm) SAE 4130N steel plate, 1/4" (6.4mm) mild steel plate, or 5/16" (7.9mm) 6061-T6, 7075-T6 or 2024-T3 wrought heat treated aluminum alloy (no cast tooling plate). Welding the bracket to the housing on only one side is acceptable unless the plate exceeds 1/4" in thickness.

Section IV.3:

5. WELDED

The rear end housing must have one (1) 3/16" (4.7mm) SAE 4130N steel plate or one (1) 1/4" (6.4mm) mild steel plate welded on each side of the housing. The plates must be fully welded to the housing and the plates and welds must wrap around the housing a minimum of 180°. Welding the bracket to the housing on only one side is acceptable unless the plate exceeds 1/4" in thickness. Each plate also must be welded to its adjoining rear end upright (#8) the full length of the upright (to two {2} rear end uprights {#8} per side for the "V" design the full length of the uprights) and to the upper (#4) and lower (#16 & #17) frame rails completely on one side of each plate, with 1/4" (6.4mm) minimum wrap around the upper (#4) and lower (#16 & #17) frame rails. The other side must be welded with one (1) inch (25.4mm) minimum skip welds.

Thank you,

SFI Foundation, Inc.