

## **Roll Cages & Space Frames.**

1. All Racecars must have a soundly constructed full roll cage (see diagram figures 2a & 2b.)
2. Aluminium space frames and cages are not permitted.
3. The roll cage must be fixed to the body or chassis.
4. The minimum roll cage tube sizes are, round 30mm (1¼") dia. Or square 30mm x 30mm (1¼" x 1¼") Minimum thickness is 2.64mm or 12swg.
5. The roll cage legs must be welded to footplates minimum thickness 1/8<sup>th</sup> inch (3mm) with a minimum size of 4" x 4" (100mm x 100mm) square.
6. Roll cage footplates must be bolted or welded to the car. Minimum size bolts 8mm dia. 4 bolts per plate.
7. If the roll cage is fitted with a sill bar, a 4"x 4" (100mm x 100mm) plate must be welded from the sill bar to floor at the point the roll cage leg is welded to the sill bar.
8. The floor surrounding the roll cage floor plate must be sound.
9. Two bracing struts must be fitted to the rear hoop.
10. A centre bar from the front to rear between the main hoops must be fitted, or this may be diagonal from corner to corner.
11. A diagonal bracing strut must be fitted from the driver's head to lower fixing of rear bar. (see figure 2b)
12. All joints must be welded or bolted if on an approved manufacturers roll cage.
13. If full width hoops are cut and welded there must be additional webs welded or bolted minimum size 2" x 2" x 10 gauge (50mm x 50mm).
14. All welded in roll cages must have webs on all welded roof joints. A total of nine webs in roof joints are required. Tubes may be fitted as web joints.
15. All bolt together roll cages must have a minimum of two bolts per joint.
16. A minimum of one door bar must be fitted at hip height on driver's side in the door aperture, door bars must be welded or bolted to the front and rear uprights of the roll cage.
17. Door bars on Specials must be fitted on both sides of the driver's compartment.
18. Tube size for door bar is the same as roll cages,
19. Roll cage must stop a minimum of 6" (150mm) from front or rear panel.
20. The construction of all Specials and space-framed vehicles must have the driver's cell constructed of round, square or rectangular section tube. The roll cage part of the cell to be constructed as per the specifications of the tube in rule 4 above. The floor section must be constructed with round or square section tube for the outside tubes as per the specifications of the tube in rule 4 above or rectangular box section 50mm x 25mm minimum thickness is 2.64mm or 12swg. The minimum specification for any other tubes used in the construction of the floor section is 25mm square or round tube minimum thickness is 2.64mm or 12swg.
21. Any space-frame construction other than engine, gearbox, or suspension supports forward of front suspension & behind rear suspension must not be of a type that can be classed as ironing up.
22. Space-frame must stop 6" short of front & rear panel.

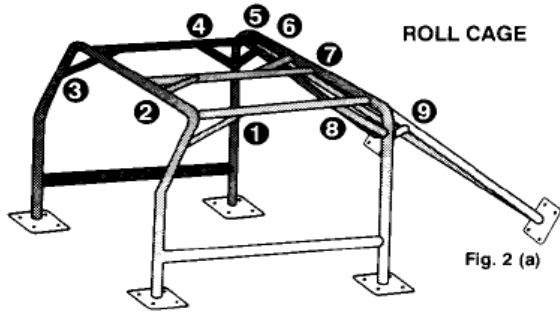


Fig. 2 (a)

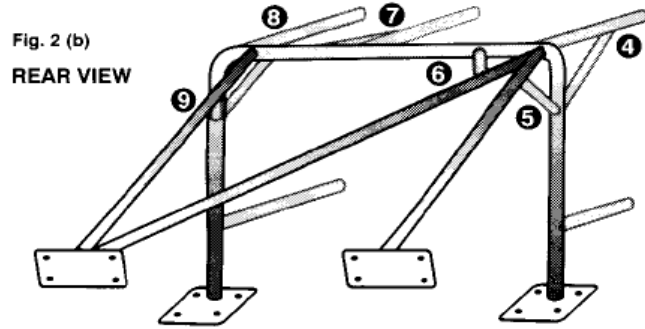


Fig. 2 (b)  
REAR VIEW