



The Federation of Motor Sports Clubs of India

2017

**Technical Regulation
for
Super Stock Cars (TC-3)**

Member of		
		
Federation Internationale de l' Automobile	Federation Internationale de Motocyclisme	Indian Olympic Association

2017 Specific Technical Regulations for Super Stock Cars (TC-3)

The following Articles of 2017 FMSCI Appendix J is applicable

Art.251 – Classification and Definitions

Art.252 – General Prescriptions for Production Cars (Group N), Touring Cars (Group A)

Art.253 – Safety Equipment (Groups N, A)

Art.254 – Specific Regulations for Production Cars (Group N)

Art.255 – Specific Regulation for Touring Cars (Group A)

Classes

Up to 1200cc

Above 1201cc up to 1600cc

1.1 Definition

Large scale series production touring cars (made in India)

Modification to the engine and gearbox is not permitted.

Group N regulations will apply.

The vehicle must comply with the Technical Regulations of the Super Stock Class.

Eligibility of Vehicle:

Only Vehicles with Super Stock Homologated / Technical Data Form are allowed.

Restrictor

All engines will be fitted with a Air Restrictor as per the following Table:

- a. up to 1000 cc - 22 mm
- b. Up to 1200 cc - 24 mm
- c. Up to 1400 cc - 26 mm
- d. Up to 1600 cc - 28 mm
- e. Up to 1800 cc - 30 mm
- f. Up to 2000 cc – 32 mm

2.1 Safety

2017 FMSCI Safety Regulations (Article 253)

Protective Padding

Where the occupant's bodies could come into contact with the safety cage, flame retardant padding must be provided for protection.

Rear View

Reward visibility must be ensured by two external rear-view mirrors (one on the right and one on the left).

An inside rear view mirror is optional

3.1 Modifications

Modifications and Adjuncts allowed or obligatory.

No Modifications are permitted.

4.1 Minimum Weight

The minimum weight of the cars will be cc divided by a constant which is **1.3 for 1200cc and 1.65 for 1600cc** WITH DRIVER. This is the real weight of the car WITH DRIVER.

All the liquid tanks (lubrication, cooling, braking, heating where applicable) must be at the normal level foreseen by the manufacturer, with the exception of the windscreen wiper.

5.1 ECU

FREE

Modifications to the wiring harness must be within 10 inches from ECU connector. Additional Sensors and Actuators not permitted.

Removal of all elements between Air Filter Box and Resonator is permitted. Any ducting may be added to the front of the entry point of the air filter and must be within the Engine Compartment.

6.1 Differential

LSD is permitted.

The use of mechanical type Limited Slip Differential is authorized provided that it can be fitted in the series housing without any modification.

7.1 Suspension

Shock absorbers and Springs free, **2 way damping is permitted.** External shock canisters allowed.

The reinforcing of the structural parts of the suspension (with the exception of anti-roll bars) and its anchorage points by the addition of material is allowed.

Ride height free.

Bushings and Mountings should conform to original design and size, uprated material is allowed.

Ground clearance must be such that the bodywork does not touch the ground when two tyres on the same side of the car are deflated.

8.1 Wheels and Tyres

Homologated / TDF wheel rim size is only permitted

Where permitted over size width tyres are used, the Maximum Track Width as per Art.207 of the Super Stock Technical Data Form will be increased by 50mm.

Spare wheel must be removed.

9.1 Braking System

No modification permitted.

Handbrake: Fly-off hand brake is permitted.

Brake Pads are Free but original shape and Dimension to be maintained.

Brake Fluid Free

10.1 Exterior

A fabricated shield may be incorporated in place of an AC condenser. Hubcaps must be removed.

Only the front bonnet, front fenders and the rear boot/ Tail gate may be made of fiberglass or carbon fiber.

Headlights can be removed. However the opening must be covered with a fiberglass / metal plate and be safely secured.

Fiberglass Specification

Fiberglass must be minimum of 3mm thickness.

Fire Retardant Resin (FRR) must be used in Fiberglass making.

Ribs in the Fiberglass bonnet is recommended.

THE TECHNICAL DELEGATE (in his absence the Chief Scrutineer) IS THE FINAL AUTHORITY ON THE CONDITION, STRUCTURE AND SAFTY OF THE MODIFIED PARTS.

11.1 Interior

Dashboard: The dashboard MAY BE REMOVED.

Floor: Carpets are free and must be removed.

12.1 Door

Must be original as supplied by the manufacturer.

Door pads and all insulation materials may be removed.

13.1 Fuel Pump

Additional fuel pump CANNOT be fitted.

14.1 Roll Cages

Basic Structure

The basic structure must be made according to one of the following designs :

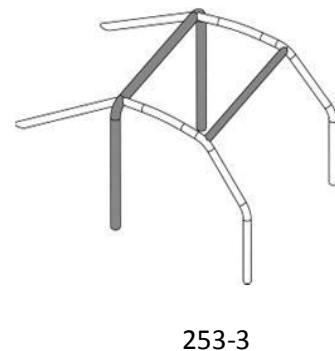
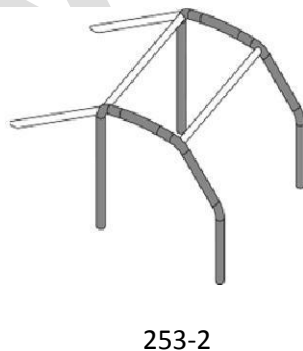
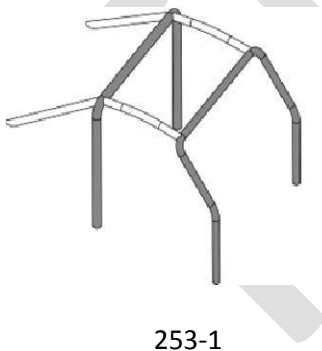
1 main rollbar + 1 front rollbar + 2 longitudinal members + 2 backstays + 6 mounting feet (Drawing 253-1)

or

2 lateral rollbars + 2 transverse members + 2 backstays + 6 mounting feet (Drawing 253-2)

or

1 main rollbar + 2 lateral half-rollbars + 1 transverse member + 2 backstays + 6 mounting feet (Drawing 253-3)

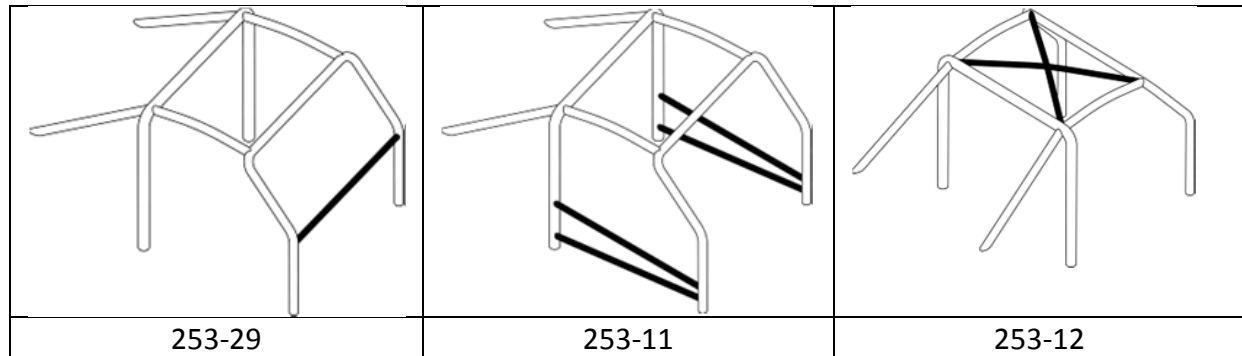


Compulsory members and reinforcements

Cold drawn seamless unalloyed carbon steel tube (Containing a maximum of 0.3% of carbon) with a minimum tensile strength of 350 N/mm²

The minimum dimensions being 45mm X 2.5mm or 50mm X 2mm.

The basic minimum structural requirement as per Drawing 253-29 with side impact bars as in Drawing 253-11 and roof reinforcement Drawing as in 253-12. (Single Cross member is also allowed in Drawing 253-12).



15.1 Seat Belts

Minimum required is a five point harness with turn buckle and following the technical drawings regarding mounting points (Article 253 – 42 to 45, 52 and 53 of Appendix J – FIA Regulations)

16.1 Fire Extinguisher Systems Mounted

The minimum Quantity of Extinguishant for system mounted must be 3kg.

Manual Extinguishers

Minimum Quantity of Extinguishant:

AFFF	2.4 liters
FX G-TEC	2.0 kg
Viro 3	2.0 kg
Zero 360	2.0 kg
Powder	2.0 kg

Fire Extinguishers to be rigidly fastened with a quick release clamps (minimum 2 nos.) fitted in an easily accessible and a visible position. The mounting bracket of the fire extinguisher must be bolted to the floor with a bolt of minimum 10 mm diameter

17.1 Side and Rear Windows

The use of transparent or colorless anti shatter film on the side windows is mandatory.

18.1 A/C and Heating

The components relating to the A/C and Heating may be removed.

19.1 Reinforcement of Aprons (Front)

It is permitted to add a member between the front aprons above the front cross member (the front jacking point) provided it is removable and mounted only by means of bolt & nuts.

20.1 Ballast

It is permitted to complete the weight of the car by one several ballast provided that they are strong and unitary blocks, fixed by means of tools with the possibility to fix seals, placed on the floor of the cockpit, visible and sealed by the scrutineers.