MotorSport New Zealand
P O Box 133, Paraparaumu 5254
102a Kapiti Road, Paraparaumu 5032
+64 4 815 8015
www.motorsport.org.nz
technical@motorsport.org.nz

IMPORTANT INFORMATION ABOUT THIS APPLICATION

All applicants must read this important information and must follow the requirements of this application or it may be returned and an additional 50% of the original fee charged.

If you require help / assistance in completing this application, please refer to the 'Guidelines for Safety Cage Homologation' available on the MSNZ website or phone the Technical Department for assistance.

Once complete forward original documents either by Courier to physical address or email to technical@motorsport.org.nz

MSNZ Vehicle Logbook: A valid logbook or logbook application (Form T001) **MUST** accompany this application.

Instruction 1 (Section 1): Complete **ALL** vehicle details and ensure manufacturers' Chassis No. is correct. Registration No. is only applicable for road registered vehicles.

Instruction 2 (Section 2 & 9): In Section 2 complete Constructor details and in Section 9 the appropriate Declaration **MUST** be completed and signed.

Declaration 1 is solely for MSNZ Recognised Safety Cage Manufacturers. **Declaration 2** is for all other individuals constructing Schedule A compliant safety structures. Homologation certification **cannot** be issued when a false declaration is made hence it is imperative that the signatory is fully conversant with the stated regulations and is suitably qualified to make the declaration.

Instruction 3 (Section 3): A **CLEAR** and **ACCURATE** line drawing of the structure must be provided detailing **ALL** the tube members which **MUST** be individually numbered and referenced in Section 4.

Instruction 4 (Section 4): All tube members of the structure **MUST** be detailed here. If multiple members are fitted (e.g. 2x lateral rollbar, reinforcements etc) they only need detailing once provided they have the same number in section 3 drawing. Only tube manufactured to the MSNZ standard – steel tubes for safety cages is authorised (excepting Recognised Manufacturers). Material specifications should be stated as per the material 'specification sheet' available from the material supplier.

Instruction 5 (Section 5): Measurements of the main rollbar and front/lateral rollbar top bends; reduction (A) and expansion (B) must be accurate to the nearest 0.1mm. Measurements should be performed at the centre of the bend radius and prior to welding in other members.

Instruction 6 (Section 6): The welding technician **MUST** be an accomplished trade's person with trade qualifications and/or proven/trade experience. The welding declaration MUST be ticked to confirm that all joins of the principle structure are welded through 360°.

Instruction 7 (Section 7): A reinforcement plate welded to the bodyshell is **mandatory** for each lower attachment point of the main & lateral/front rollbars and the backstays – material and measurements must be provided. The minimum area is that in full contact with the bodyshell / chassis. A footing box may also be incorporated in the design, mounted on top of the reinforcement plate – material and measurements must be provided. In the case of removable structures a footing plate is required welded to the rollbars and in turn bolted to the reinforcement plate and all fastener specifications must be provided.

Instruction 8 (Section 8): Provide the actual measurements of the safety cage as viewed through the door opening. Confirm that in frontal projection, the front/lateral rollbar and any reinforcement members are contained within the shaded area of the drawing.

Photographs: All applicable photographs MUST be included with this application. All photographs MUST be of the UN-PAINTED structure and MUST be CLEAR and CLOSE-UP views. High resolution digital photos (clearly identifying applicants name and vehicle details) either on CD or by e-mail to technical@motorsport.org.nz. Only send necessary photos as noted below- If additional photos are required, they will be requested.

1. General view of rear half of structure taken through door opening showing all rear members
2. General view of front half of structure taken through door opening showing all forward members
3. Close-up view of main rollbar top bend detail and member welding
4. Close-up view of lateral/front rollbar top bend detail and member welding
5. Close-up view of front lateral rollbar attachment to reinforcement plate
6. Close-up view of main rollbar attachment to reinforcement plate
7. Close up view of backstay attachment to reinforcement plate
8. General view of harness bar and its attachment to safety cage structure
9. View of complete door opening (taken from outside of vehicle - door open wide)
10. Clear view looking into front windscreen (taken standing in front of bonnet in drivers line of sight). Do not use flash!
11. Clear view of front lateral forward extensions if fitted

It is recommended to submit this application via MotorSport Online http://online.motorsport.org.nz/
Applications submitted manually may incur some delay in the processing time

☐ Standard Processing $250.00 ☐ Priority Processing $375.00

Card No | | | | | - | | | | | - | | | | | - | | | | | Expires .....

Name on Card .....

Signed ..... Date .....

A 2.5% surcharge applies to all credit card payments GST Number # 10-062-349

☐ Bank Account: ASB Bank 12-3192-0017344-00 ☐ Paid via MotorSport Online Application *We do not accept cash or cheques*

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SAFETY CAGE / ROLLBAR –HOMOLOGATION

In compliance with MotorSport New Zealand Homologation Regulations for Safety Cages
Appendix Two Schedule A of the current MotorSport NZ Manual
This certificate is valid for all National competitions for the structure bearing the noted homologation number
Not valid for International Competitions

MotorSport New Zealand Office Use Only	
Date Received	**Logbook Number** _____
Date Approved	**NZ**

SECTION 1- VEHICLE DETAILS *(Refer Instruction 1)*

Vehicle Make: _____ Vehicle Model: _____ Year: _____

Vehicle Chassis No.: _____ Registration No.: _____

SECTION 2- SAFETY CAGE CONSTRUCTOR DETAILS

Constructor Name: _____ MSNZ ID/Licence #: _____

Physical Address: _____

Email Address: _____ Daytime Phone #: _____

SECTION 3 SAFETY CAGE / ROLLBAR DRAWING *(Refer Instruction 3)*

This certificate is only valid once each page bears a MotorSport NZ official RED stamp and becomes invalid if the structure is modified in any way from the design shown herein

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SECTION 4- MATERIAL SPECIFICATION *(Refer Instruction 4)*

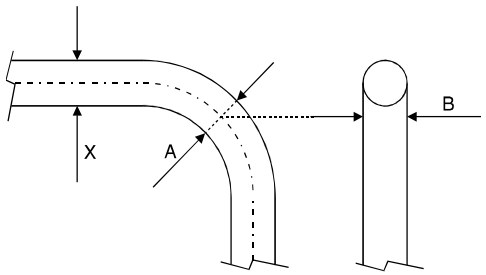
Member Number	Member Name	Material Description / Standard	External Diameter (mm)	Wall Thickness (mm)	Tensile Strength (MPa)
Principle structure					
1.	Main Rollbar				
2.	Lateral / Front Rollbar				
3.	Backstays				
4.	Diagonals				
5.	Windscreen Bar				
6.	Safety Harness Bar				
Other members *(detail ALL other members)*					
7.	Side Intrusion Bars				
8.	Reinforcement Bars				
9.	Forward Extension				
10.					
11.					
12.					
13.					

☐ All tube members declared to be the same material standard as detailed above (√ box)

Note: Froward extensions required when MOPS/SRS is removed on road registered vehicle's

SECTION 5- MATERIAL BEND MEASUREMENTS *(Refer Instruction 5)*

	Main Rollbar		Lateral Rollbar	
Original Size:	X =	mm	X =	mm
Reduction:	A =	mm	A =	mm
Expansion:	B =	mm	B =	mm
Calculation:	A ÷ B =		A ÷ B =	



SECTION 6- WELDING DETAILS *(Refer Instruction 6)*

Primary Welding Method And Declaration: (✓ Box)	☐ **MIG** ☐ **TIG**	☐ **ALL JOINS WELDED THROUGH 360°**
Welding Technicians' Name: Technicians' Qualifications:		

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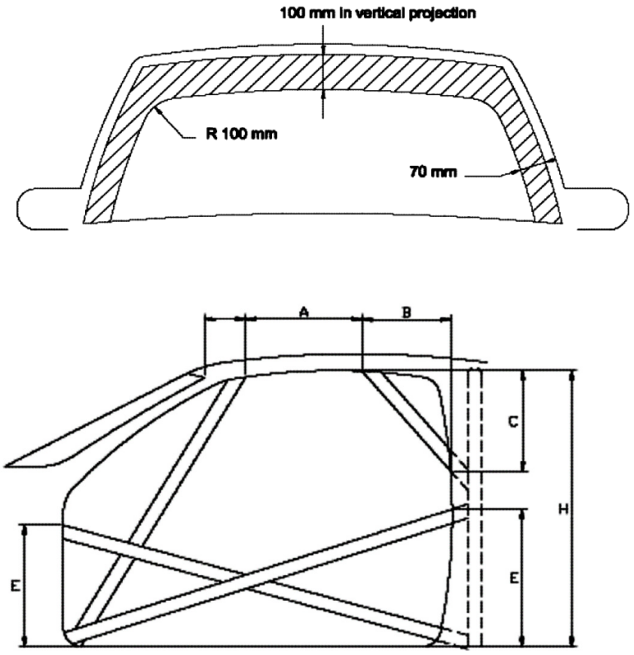
SECTION 7- ATTACHMENT TO BODYSHELL / CHASSIS *(Refer Instruction 7)*

	Main rollbar	Lateral / Front rollbar	Backstays
Welded structures			
Reinforcement Plate (mandatory plate that is welded to bodyshell)	Material: Thickness: mm Area: cm²	Material: Thickness: mm Area: cm²	Material: Thickness: mm Area: cm²
Footing Box (being optional fabricated 'box' welded directly to the reinforcement plate)	Material: Thickness: mm Area: cm²	Material: Thickness: mm Area: cm²	Material: Thickness: mm Area: cm²
Removable structures			
Footing Plate (optional plate welded to rollbar and bolted to the reinforcement plate)	Material: Thickness: mm Area: cm²	Material: Thickness: mm Area: cm²	Material: Thickness: mm Area: cm²
Attachment details (bolts / nuts minimum grade ISO 8.8)	Bolt size: Bolt grade: Locking method:	Bolt size: Bolt grade: Locking method:	Bolt size: Bolt grade: Locking method:

Note: Any demountable joints to be detailed on separate sheet

SECTION 8- POSITION OF MEMBERS IN WINDSCREEN / DOOR APERTURES *(Refer Instruction 8)*



Windscreen aperture		
☐ Confirmed that any reinforcement members are contained within shaded area (√ box)		
Door aperture		
A = 300mm MIN	Actual =	mm
B = 250mm MAX	Actual =	mm
C = 300mm MAX	Actual =	mm
E (front) = (Less than ½ H)	Actual =	mm
E (rear) = (Less than ½ H)	Actual =	mm
H = (Height of Door)	Actual =	mm

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SECTION 9- DECLARATIONS

1 - DECLARATION BY MSNZ RECOGNISED MANUFACTURER

On behalf of the company named below I hereby declare that the structure as detailed in this application has been designed, fabricated and installed in total conformity with the current specified requirements of MSNZ Appendix Two, Schedule A Part One Article 4.6 and Part Two Article 5 or as approved in writing by the MSNZ Technical Department.

Company Name: _____ MSNZ Recognition No.: **RM** _____

Signatory Name: _____ Position Held: _____

Signature:

Alternative design / material specification approved through calculation report or demonstrated qualifications

Name of Company / Engineer: _____

Report No.: _____

2 - DECLARATION BY CONSTRUCTOR

I hereby declare that I have read and understood the requirements of this certification and that the structure as detailed in this application has been designed, fabricated and installed in total conformity with the current specified requirements of MSNZ Appendix Two, Schedule A Part One Article 4.6 and Part Two Article 5.

Name: _____ Signature: _____

Qualification / Experience: _____

Postal Address: _____

Email Address: Phone #:

INSPECTION REPORT *(FOR OFFICIAL USE ONLY)*

An inspection report is <u>ONLY</u> required when a physical inspection is requested by the MSNZ Technical Dept

Safety Cage previously homologated by an overseas ASN

The construction / design is in compliance with the specifications of Schedule A or FIA Appendix J

The tube used is identified as meeting the size and strength requirements of Schedule A

The structure has been professionally constructed and is in an acceptable condition

The structure design does not unreasonably hinder the entry and/or exit of the vehicle

Clear, close-up pictures of the specified areas of the structure are provided

(if fitted) any demountable joints / fasteners are correctly located and of an approved type and strength.

Other;

Name: _____ MSNZ Officials Licence No: _____

Signature: Date

Approval Stamp:

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DRAWINGS

These line drawings may be used as the *basis* of the drawing

(Do not use for complex designs)

Accurately and clearly draw-in all other tube members of your actual Safety Cage / Roll bar design.