

# BMW Race Driver Series

## 2 Litre Class Regulations 2023-2024

### 1. Objective:

Objective of this class is to support and encourage friendly close racing, with the main constraint of engines being limited to 2000cc displacement. Regulations provide for teams to develop and build cars of their liking, allowing for a large scope of possible chassis and power unit combinations.

### 2. Eligibility:

- 2.1 Entry to the BMW Race Driver Series is by invitation only, at the discretion of the Committee.
- 2.2 All drivers must have a MotorSport NZ C1 Grade licence, or higher.
- 2.3 All drivers must be a financial member of the BMW Race Driver Series and have a current BMW Car Club NZ Membership.
- 2.4 Presentation of cars must be to a high standard and the organizers reserve the right to refuse entry to cars deemed not up to standard. This requirement also applies to vehicles previously accepted for the BMW Race Driver Series where their condition has deteriorated to the point where this is not of an acceptable standard.

### 3. Series Entry:

- 3.1 Entry into the Series can be made by visiting [www.bmwraceseries.co.nz](http://www.bmwraceseries.co.nz).
  - (1) Full season entry is \$200, or
  - (2) Per round entry is \$75
- 3.2 By entering the Series, all drivers agree with and shall abide to the Technical Regulations in Part Two of this document, and the BMW Race Driver Series "Culture Document".
- 3.3 The BMW Race Driver Series reserves the right to accept "guest" drivers from time-to-time. Such entries shall have no bearing on the points results.

### 4. Dates:

- 4.1 The following dates and venues have been organised for the 2023-2024 season, however may be subject to change due to circumstances beyond the BMW Race Driver Series' control.

Round	Dates	Venue	Club
1	23-24 September 2023	Hampton Downs	Historic Racing Club
2	21-22 October 2023	Manfeild	Manawatu Car Club
3	25-26 November 2023	Hampton Downs	Historic Racing Club
4	6-7 January 2024	Taupo	Historic Racing Club
5	23-24 March 2024	Hampton Down	Historic Racing Club

## **5. Race Formats:**

### **5.1 Qualifying:** There will be one Qualifying session.

- (a) If because of track closure / blockage, weather delays or other external influences, a valid time is not registered for at least 50% of the cars on track for the qualifying session, then all qualifying times will be set aside.

The grid for Race One shall be determined by the points finishing order from the previous round. However, this does not include individual cars that do not get a valid qualifying time because of their own mechanical failure or accident. These cars automatically go to the back of the grid.

Ranking for entrants who did not participate at the previous round will be determined by ballot.

- (b) If it is the first race meeting of the season and because of track closure / blockage, weather delays or other external influences, a valid time is not registered for at least 50% of the cars on track for the qualifying session, then all qualifying times will be set aside.

The grid shall be determined by the points finishing order from the previous season's championship finish. However, this does not include individual cars that do not get a valid qualifying time because of their own mechanical failure or accident. Those cars automatically go to the back of the grid.

Ranking for entrants who did not participate in the previous season will be determined by ballot.

### **5.3 Races:** there shall be three races at each round.

- (1) **Race One:** shall be a ten-lap scratch race (standing start).

- (a) The grid for Race One will be set using the fastest to slowest results from qualifying followed by those without valid qualifying times.

Those without valid qualifying times shall be ordered by their points standing in the championship to date. If this is the first round and there are cars without a valid qualifying time they shall be ordered in the rear of the grid by ballot.

Cars that are entered and qualified, but unable to compete in the first race will have their grid place left blank.

- (2) **Race Two:** shall be an eight-lap, handicap race.

- (a) The grid for Race Two will be set using "best of meeting" lap times from Qualifying and Race One.

- (3) **Race Three:** shall be an eight-lap, handicap race.

- (a) The grid for Race Three will be set using "best of meeting" lap times from Qualifying and Race One, and Race Two.

- 5.3** In the absence of valid Qualifying or Race times for one or more cars, their times will be calculated using historical data. If no such data exists, then they will receive an assessed lap time, as determined by the BMW Race Driver Series Committee.
- 5.4** To discourage “foxing” in Qualifying, Race One and Race Two, drivers will be penalized for “breaking out” of their handicap lap time. If their lap time improves by more than 1.5%, they will receive a 10-point penalty for each break-out lap. To allow for changing track conditions across a meeting, usually because of the weather, this break-out will be measured against the average of the field.
- 5.5** Being classified as a finisher of each Race will be in accordance with Schedule Z, Article **11.3**.

**6. Points:**

- 6.1** 10 bonus points will be awarded for the fastest legitimate lap in Qualifying. No bonus points will be awarded if the count-back system has been used to determine the Race One grid.
- 6.2** Points shall be allocated based on finishing position in each Race as follows:

Placing	Points	Placing	Points	Placing	Points
<b>1st</b>	200	<b>15th</b>	100	<b>29th</b>	60
<b>2nd</b>	185	<b>16th</b>	96	<b>30th</b>	58
<b>3rd</b>	173	<b>17th</b>	92	<b>31st</b>	56
<b>4th</b>	163	<b>18th</b>	89	<b>32nd</b>	54
<b>5th</b>	154	<b>19th</b>	86	<b>33rd</b>	52
<b>6th</b>	146	<b>20th</b>	83	<b>34th</b>	50
<b>7th</b>	139	<b>21st</b>	80	<b>35th</b>	48
<b>8th</b>	133	<b>22nd</b>	77	<b>36th</b>	46
<b>9th</b>	127	<b>23rd</b>	74	<b>37th</b>	44
<b>10th</b>	122	<b>24th</b>	71	<b>38th</b>	42
<b>11th</b>	117	<b>25th</b>	68	<b>39th</b>	40
<b>12th</b>	112	<b>26th</b>	66	<b>40th</b>	38
<b>13th</b>	108	<b>27th</b>	64	<b>41st</b>	37
<b>14th</b>	104	<b>28th</b>	62	<b>42nd</b>	36

- 6.3** Point scores from a competitor's two worst competed race results of the Series will be excluded from their final points tally at the end of the season.
- (1)** Races not competed in will not count as an exclusion unless the competitor at least entered that race meeting and completed the documentation process at the venue.
- Should extenuating circumstances exist then the Committee, at its sole discretion, may select any race result as a drop. All other race results will be counted, including any non-scoring races.
- (2)** If because of a penalty a driver is penalised from one or more qualifying sessions, races, or even complete meetings, then none of those non-scoring races or qualifying sessions can be “dropped”. This applies in the case of both driver behavior issues and technical infringements and is irrespective of whether the penalty was applied by **MotorSport NZ Officials**, or from within the BMW Race Driver Series.

- 6.4** Should a driver use more than one vehicle during the season, providing the vehicle they have changed to is eligible for the 2 Litre Class, points may be carried over.

**7. Penalties:**

- 7.1** These shall be considered minimum possible penalties to be applied by the BMW Race Driver Series committee and are not limited to those written below. The BMW Race Driver Series Committee has the right to impose point penalties for any breaches of the technical regulations, these regulations or the Culture Document.

**Tyres found in a condition outside of the 2 Litre Technical Regulations:** 25 points per tyre

**Car not presented for weigh-in after Qualifying or Races:** No points will be awarded.

**Under the Minimum weight for your class:** 25 points for each 5 Kilograms under

*Example: 0.01kg-5kg under = 25 Points, 5.01kg- 10kg under = 50 points*

**Failure to wear a FHR during qualifying or races:** 200 point deduction.

Anyone found to have threatened or abused an official, volunteer, competitor, spectator or show behaviour (that in the eyes of the BMW Race Driver Series) bringing the race series into disrepute shall likely result in expulsion from the BMW Race Driver Series.

**8. Awards:**

- 8.1** Round trophies and overall series trophies shall be awarded.

# BMW Race Driver Series

## 2 Litre Class Technical Regulations (Part Two)

### 2023-2024

#### **1. GENERAL**

**1.1** Factory built racecars are not eligible, this includes Group A, DTM, 2 Litre SuperTourer, WTCC etc. By factory this refers to cars or kits supplied by BMW Motorsport or recognized works teams. NZ built cars (including NZ Touring cars) are eligible to run within this class.

**1.2** The following regulations provide a basic outline of the technical requirements for cars running in the 2 Litre class.

**Note:** *Drivers planning to purchase or modify a car to race in the BMW Race Driver Series are strongly advised to contact the BMW Race Driver Series Committee via e-mail [bmwraceseries@hotmail.com](mailto:bmwraceseries@hotmail.com) for confirmation of the car's eligibility before committing to the modification/purchase.*

**1.3** The BMW Race Driver Series Committee and its appointed agents will be judge(s) of fact regarding general vehicle eligibility for the Series and regarding any specific technical details of those cars. Individual Committee Members cannot give you approval or authority. This must be provided in writing from the Series.

#### **2. SAFETY REQUIREMENTS**

All vehicles are required to adhere to all current MotorSport New Zealand (MSNZ) regulations in Appendix Two – Safety (Schedule A) and Appendix Four - Races (Schedule Z). You can find the current MotorSport NZ manual online (<https://manual.motorsport.org.nz/>), including any amendments or subsequent versions issued by MSNZ.

##### **2.1 All vehicles must have:**

- (a)** A current MotorSport NZ Logbook.
- (b)** A MSNZ approved competition seat designed for use with a five-point or six-point harness with appropriate mountings must be fitted according to App Two, Sch A, Part 1, Article 4.7.
- (c)** A suitable MSNZ approved five-point or six-point harness mounted as detailed in App Two, Sch A, Article 4.4.
- (d)** A MSNZ approved multi-point roll cage compliant with App Two, Sch A, Part 2, Article 4.6 with side intrusion bars is mandatory. Alternative roll cages are acceptable provided they meet the following criteria:
  - (i)** The roll cage design, construction and installation must satisfy all MSNZ regulations.
  - (ii)** Triangulation between the roll cage front legs and front strut towers is permitted.
  - (iii)** Safety cage padding must be fitted as required in Article 4.6 (6).
- (e)** Headlamps (if installed) covered with protective tape and comply with any current MSNZ requirements.
- (f)** Towing eyes fitted in accordance with Appendix Two, Schedule A, Part One, Article 5.15.
- (g)** A MSNZ approved handheld fire extinguisher as per App Two, Sch A, Part One, Article 4.8.

## 2.2 Frontal Head Restraints (FHR) are mandatory.

- (a) FHR devices must be made to an approved standard and fitted and worn as per Appendix Two, Part One, Article 4.2.
- (b) All occupants must wear an FHR during all practice, qualifying and races that are part of the BMW Race Driver Series. Failure to do so may result in a penalty or disqualification.

## 3. TECHNICAL / VEHICLE ELIGIBILITY

- 3.1 This class is generally open to any model BMW car fitted with a BMW engine (regulated by capacity).
- 3.2 Maximum engine capacity for this class is 2000 cc. The Maximum capacity calculation for this class includes an allowance for a factory over-bore of up to +0.5mm only.
- 3.3 Left or right-hand drive vehicles are eligible including cars that have been converted.
- 3.4 **Engines:** Must be a production BMW cylinder block and head casting, all other components are free.
  - (a) It is permissible to move the engine within the factory engine bay only. It is not permissible to remove, cut or modify the factory firewall/bulkhead in order to move the engine rearwards in the chassis.
- 3.5 **Chassis:** Original unit construction body shells must be used. No space-framed or semi space-framed cars will be allowed. The original floor-pan between the firewall and rear bulkhead (behind the rear seat) must remain as per the manufacturer's original specifications. Save for the fitment of the roll protection, pedal box or exhaust system, further modifications to this area of the floor-pan can only be made with the written permission of the BMW Race Driver Series Committee.
- 3.6 **Bodywork:** Outer body panels may be replaced with items of a different design or material (including composites) to that used on the original. This includes the addition of front or rear spoilers, wings, splitters, wheel arch extensions and/or after-market body kits.
- 3.7 **Drive train:** Gearboxes must be of BMW original equipment manufacturer but are free in terms of the number of gears and ratios, however gearboxes with a sequential shift type mechanism are not eligible within this class. Differentials are free.
- 3.8 **Suspension:** As long as the original configuration is retained (eg McPherson strut, trailing arm) the suspension is free in terms of design and materials used.
- 3.9 **Brakes:** There is no restriction on type and materials.
- 3.10 **Wheels:** Rim widths can be no more than 10 inches, but there are no other restrictions in terms of wheel diameter, materials or construction type.
- 3.11 **Tyres:** All cars must run on BMW Race Driver Series Committee approved DOT rated tyres. In addition to complying with a DOT standard, tyres must also have New Zealand warrantable tread patterns. Tyres are also required to have a measurable tread depth (excluding any tie bar or tread depth indicator strips) around the whole circumference of the tyre, and across at least 75% of the tyres tread width.

**FOR CLARIFICATION:** Tyres also marked “NOT FOR HIGHWAY USE” or “FOR RACING PURPOSES ONLY” are excluded from use. (If you are planning to run a new design / brand of tyre please e-mail the Race Series Committee at [bmwraceseries@hotmail.com](mailto:bmwraceseries@hotmail.com) for confirmation of acceptance).

### 3.12 Weight:

- (a) Minimum post-qualifying & post-race weight including driver for all competing vehicles is 1040kgs. All cars must be presented for weighing as part of the Parc Fermé rules after each qualifying, and race session. Drivers who do not present their cars for weigh-in may receive point penalties and/or be disqualified from the qualifying session or race.
- (b) Throughout the weighing process, only the driver and a single additional team member are permitted to be present with the vehicle as per Parc Fermé rules. The designated team member is allowed in the weighing area solely when their car is undergoing the weighing procedure and must coincide their arrival and departure with that of the car.
- (c) As long as no other rules are breached regarding vehicle modifications it is at the driver’s discretion how and where any additional weight is achieved, subject to App Two, Schedule A, Part 1, Article 6.1 of the MSNZ Manual.

### 3.13 Parc Fermé

- (a) All cars automatically enter Parc Fermé conditions following any qualifying or race sessions and must proceed immediately to the designated Parc Fermé area, which is the series weighbridge unless specified otherwise. Delayed arrival may be considered an immediate violation of Parc Fermé conditions.
- (b) Only the presence of the driver and one additional team member is permitted alongside their car in the Parc Fermé area.
- (c) Tyre pressures and tyre temperatures may be checked while the car is in line, provided there are no delays.
- (d) Any other checks or alterations to the car are strictly forbidden under Parc Fermé conditions, unless approval is given by a BMW RDS Officials.
- (e) No items are to be added to or removed from the vehicle during Parc Fermé.
- (f) The continuation of Parc Fermé conditions applies until an official notification from a BMW RDS Official or their appointee.

**3.14 Fuel:** There are no restrictions on the fuel used so long as the safety and technical requirements of MSNZ and the meeting organisers are met.

#### **4. VEHICLE LIVERY**

**4.1** All decals shall be applied in accordance with the graphic in Appendix One.

**4.2** The following **supplied** decals are **mandatory** and shall be fitted as supplied to all race cars at all BMW Race Driver Series Rounds.

**(a) Pacific Resort Decal**

Applied to both front guards in accordance with Appendix One.

**(b) 2 Litre Decal:** to be fitted to both rear side windows.

**(c) Novice Sticker:** Must be run in a visible location on the rear of the car. Regardless of previous race experience in other classes, drivers who are new to the BMW 2 Litre Class must carry this sticker for a minimum of three full BMW RDS rounds.

**4.3** The following decals are to be **supplied by the competitor** and are mandatory. These must be fitted to all race cars at all BMW Race Driver Series Rounds.

**(a) BMW Race Driver Series Windscreen Banner**

Using a minimum 100mm of the banner and up to the full width of the banner.

***Note:** To provide sun shading, additional material may be added below the windscreen banner, to a maximum total depth of 200mm at any point, including the windscreen banner. This additional material shall be a single solid colour in black or plain colour.*

**(b) Race Numbers**

**(i)** Must be on both sides of the vehicle and printed onto or included inside the number box. Minimum of 280mm high, stroke of 50mm, solid black on a white background. Font shall be Helvetica, or similar. Shall be located within 40mm of the front of the door panel, and;

**(ii)** Must be on both front and rear screens, on the upper corner of the passenger side. Minimum of 150mm high, 20mm stroke, in Helvetica or similar font. Numbers should be white. The current championship leader at the start of the round may elect to use fluoro yellow instead for the duration of the round.

**(c) Driver Name**

The driver surname at a minimum must be shown on both rear side windows, close to lower edge, minimum of 80mm high, 10mm stroke, white or fluoro yellow/green in Helvetica or similar font.

**4.4 Personal Signage:**

The following restrictions apply to any personal signage or sponsorship carried on race cars at all BMW Race Driver Series Rounds.

**(a) Front Screen:** This area is reserved exclusively for the series sponsor and apart from screen numbers, no other signage can be carried on the front screen.

**(b) Rear Screen:** Personal advertising may be fitted to the rear screen, so long as it complies with App Two, Schedule A, Part 1, Article 5.11 (a) of the MSNZ Manual and to Warrant of Fitness regulations (if applicable).

- (c) **Number Boxes:** No personal signage is to be fitted to the front doors in the area immediately above or below the official race number box, or within 50mm either side of the box. It is permissible however to carry personal signage anywhere on the sills provide it complies with all other regulations regarding signage.
- (d) **Competitive Signage:** No signage for any brands that compete with any of the series sponsors can be carried on the front section of the car.

**Note:** *The front section of the car is defined as being all panels “forward of a line through the rear edge of the number boxes on each door”.*  
*The Committees decisions on any conflicting advertising are final, as are any decisions to introduce new/additional series sponsors.*



# DECAL PLACEMENT

