



Championship Bulletin 2023

Kumho BMW Championship

Bulletin Number	03
Date of Implementation:	2 nd May 2023
Championship Permit No:	CH2023/R040 (C)

Amendments to Regulation regarding Power to Weight

The following regulation amendment is made with immediate effect. Deletions are shown in ~~blue strikethrough~~, and additions are shown in red underline. Notes about unchanged regulations are included in *italics*.

Amendment of Regulation 5.2 to 5.2.4, 5.7 and 7.2

5.2 GENERAL DESCRIPTION:

5.2.1 The Championship will run 6 classes and 1 invitational class.

Class A:

~~Up to 265 bhp per tonne.~~ Cars fitted with S54 engines that have been modified with non-OEM valve train, pistons, conrods, or camshafts. Cars fitted with either standard or modified S62, S65, S85, S63, S55 and S58 engines. Forced induction engines are only allowable if available in that model from new. Slicks, treaded & wets to be used. Minimum weight 1200kgs.

Class B:

~~Up to 230 bhp per tonne.~~ Cars fitted with S54 engines with standard OEM pistons, conrods, and camshafts. Slicks, treaded & wets to be used. Minimum weight 12060kgs.

Class C:

~~Up to 215 bhp per tonne.~~ Cars fitted with S50B30 3 litre engines and minimum weight of 1150kg. Cars fitted with S50B32 3.2 litre engines and minimum weight 1200kg. Slicks, treaded & wets to be used. ~~Minimum weight 1150kgs.~~

Class D:

~~Up to 165 bhp per tonne.~~ Cars fitted with any naturally aspirated non-M Power engine over 2400cc capacity. Treaded & wets to be used. Minimum weight 11500kgs.

Class E:

MINI cars fitted with supercharged & turbocharged engines. ~~Up to 175 bhp per tonne.~~ Treaded & wets 17" tyres to be used. Class E will have 2 classes Class E1 for R56s and Class E2 for R53s. Minimum weight 1150kgs.

Class Invitation:

Any BMW at the discretion of the BMW RDC. Slicks, Treaded & wets can be used.



5.2.2 POWER TO WEIGHT PER CLASS:

The following table shows the minimum weight for a car in a specific class with “at the wheels” BHP. All Competitors will be required to have their vehicles tested on the Championship any of the Championships nominated rolling road to record the “at the wheels” BHP.

Autologik Motorsport, Unit F1, Mercury Business Park, Bradninch, Exeter, EX5 4BL
hello@autologikmotorsport.co.uk; Phone: 07936 381517

Oselli, D2 & 3, Greenway Business Park, Great Horwood, Milton Keynes MK17 0NY Phone: 01993 849610

Scooby Clinic, NETHER FARM, STUBBING COURT, WINGERWORTH, CHESTERFIELD, S42 6QX
INFO@SCOOBYCLINIC.COM, 01246 590807

GAD Tuning Ltd, Unit J Mildmay Estate, Burnham-on-Crouch CM0 8SH Phone: 056 0367 2109

TPW – Paul West, Unit 69 Anderton Business Park, Daisy Bank Lane, Northwich, United Kingdom
info@tpwengineering.com
tpwengineering.com

VRS – Dave Rowe / Will

Address: Unit 50 Rothersthorpe Cres, Rothersthorpe Avenue Ind Estate, Northampton NN4 8JD
<https://www.vrsnorthampton.co.uk>, Phone: 01604 705247

TGS Stockport, Bredbury Court Industrial Estate, Ashton Road, Stockport, SK6 2QB e: stockport@longlife.co.uk, t: 0161 452 7167

Swanage Tyres and Tuning, Unit 6 Victoria Avenue industrial estate, Swanage, United Kingdom
swanagetyres.co.uk, 01929 421398

Dyno – Developments,
Stevenage, SG12DL
01483 600208

Mill Lane Autos,
Braintree, CM74PQ
01371811123

Simon Green, Simon Green Motorsport, Old Orchard Farm, PE28 3LH [07771 392993](tel:07771392993)

JamSport will be providing the usage of their rolling road which is situated at their workshop in Northampton.

To book in for a Rolling Road Session, please contact Ben Hayes @ JamSport directly via the following information: JamSport, 2 Lower Farm Road, Northampton, NN3 6XF. Phone: 01604 755529 Email: racing@jam-sport.co.uk



If the ~~power and weight combination of the car~~ does not conform with the set ~~power to minimum weight ratio~~ for this class, the car is in breach of the Regulations, this will be duly reported to the Championship BARC Eligibility Scrutineer & Clerk of the Course.

Any variance from the ~~power to minimum weight ratio~~ figures used in the Regulations will cause the car to be technically ineligible and penalties will be applied accordingly.

All Drivers must provide the ~~result of the rolling road test~~ engine specification and the weight of the car to ~~Trevor Ford at~~ the Championship Organisers by completing and returning the Specification Sheet for the vehicle which can be found at the back for the Regulations, prior to attending their first race meeting and must be weighed accordingly.

Any changes to the race car throughout the season, it is the Driver's responsibility to inform the Eligibility Scrutineer in writing.

5.2.1 ~~Power Loggers / Accelerator Monitors~~ Minimum Weight & Engine Specification — ~~Compulsory determination of engine power~~

~~All power figures above refer to horsepower measured at the road wheels. Power will be measured using the Kumho BMW Championship Power Loggers / Accelerator Monitors which will be operated in accordance with the equipment manufactures specification & operating instructions. This unit measures during the qualification and races the applied power at the wheels.~~

If there is reason to doubt the correctness of placement in a particular class based on the results achieved and the lap times in particular, the Eligibility Scrutineer & the Organisers Technical Advisors can check the ~~stated power engine specification~~ and minimum weight of any car after the end of qualifying session or race ~~by downloading the data from the Power Loggers / Accelerator Monitors~~. The engine may be checked for compliance with regulations by means of cylinder compression testing and visual inspection of pistons using a borescope or removing the rocker cover to inspect camshafts. The Driver must co-operate with the ~~power check inspection~~ without any reservation. Competitors should be aware that it is their entire responsibility to ensure that the vehicle complies with the relevant ~~power engine specification and to minimum weight ratio~~ at all times.

~~The data received via the Power Loggers / Accelerator Monitors is the only data used to check compliance with the Regulations using the data supplied by the Drivers from rolling road as mention above (JamSport).~~

~~The power logger must be pre-wired with a positive and negative lead and be operated by the ignitions master switch prior to the first race meeting, in order for the Organisers to fit the logger to the race car at anytime.~~

If the ~~power engine specification and minimum weight combination~~ does not tally with the ~~set power/weight ratio details set~~ for this division the car is in breach of the Regulations, this will be duly reported to the Championship BARC Eligibility Scrutineer & Clerk of the Course.

Any variance from the ~~power engine specification and to minimum weight ratio~~ figures used in the Regulations will cause the car to be technically ineligible and penalties will be applied accordingly.

5.2.34 SCALES:

To establish the minimum car weight, nominated 'Scales of the day' will be selected by the Eligibility Scrutineer.

The nominated 'Scales of the day' will either be the circuit's own weighbridge which will be considered to be 100% accurate or the Championship scales, which will have a tolerance of +/- 5kg.

5.2.445 ENFORCEMENT OF REGULATIONS:

The Championship Eligibility Scrutineer, liaising with the Organisers Technical Advisor, will apply the Regulation in every material respect and non-compliance for any reason will lead to either



exclusion on points or disqualification from the qualifying / race and put at the back of the grid. The non-compliant penalty will be agreed by the Championship Eligibility Scrutineer, Clerk of the course and the Organisers Technical Advisors. Please note anything else outside our Regulations, without prior notice to the Eligibility Scrutineer will be treated accordingly.

A car found to be ineligible for the Championship must race only in the invitation class and no points scored until the vehicle conforms to the Regulations.

5.7 ENGINE

5.7.1 PERMITTED MODIFICATIONS

ALL CLASSES A, C, D and Mini: Valve Gear, Camshafts, ~~and~~ Pistons and Conrods are Free. With the provisions that the above is adhered to, engine modifications are unrestricted except as shown in 5.7.2

CLASS B: Valve Gear, Camshafts, Pistons and Conrods must all be OEM BMW parts. All modifications to these parts are prohibited.

5.7.2 PROHIBITED MODIFICATIONS: ALL CLASSES

No Stroker Cranks

Dry sump lubrication is prohibited. In Invitation Class Only LOCATION: ALL CLASSES

The engine location, its mounting position and locating points, must remain as specified for the particular model entered in the Championship.

5.7.3 OIL/WATER COOLING: ALL CLASSES

The fitting of an oil cooler and modification of the cooling system is permitted.

5.7.4 INDUCTION SYSTEMS: ALL CLASSES

Induction system is Competitor choice. The use of super chargers or turbo chargers where specified as original equipment for the particular model may be used. ~~Turbo may be used in Invitation Class Only~~

5.7.5 EXHAUST SYSTEMS: ALL CLASSES

Exhaust systems must comply with the silencing Regulation as laid down in the Motorsport UK Yearbook. All exhausts and exhausts manifold are free and catalytic converter can be removed.

5.7.6 IGNITION SYSTEMS: ALL CLASSES

The types of ignition systems used are down to the choice of the Competitor.

5.7.7 FUEL DELIVERY SYSTEM: ALL CLASSES

The fuel delivery system is of Competitor choice.

5.7.8 All race cars must be weighed after you have qualified regardless of laps completed. Any race car found to be under weight beyond the tolerance of the scales of day, a non compliant will be issued by the Scrutineer and a penalty applied. The penalty will be disqualification from the qualifying / race and put at the back of the grid for their next race. Only the Driver is permitted to enter Parc Ferme & weight bridge post qualifying and post-race.

5.8 **SUSPENSION ENGINE:**

All detail in 5.8 remains unchanged.

5.9 TRANSMISSIONS:

5.9.1 PERMITTED MODIFICATIONS: ALL CLASSES



Gearboxes may be swapped from model to model. Mounting and Location points must be used as intended by the manufacturer. Sequential "Drenth type" gearboxes are allowed in Invitation Class Only

Auto gearbox can only be used at the discretion of the BMW Racing Drivers Club. Clutches and flywheels are free.

7.2 **POWER TO WEIGHT:**

~~Power and torque will be measured from the wheels~~ Wheels horse power limit — 175 WHP/BHP per tonne Wheel Torque limit — 230 NM per tonne.

~~All Competitors must have their car power tested before the first round of the season at the approved dyno venue (see Regulation 5.2.2).~~

~~The power and torque must not be able to be adjusted by switches, buttons or other control methods. A power logger loom and fitting kit must be fitted before going on track at the first round. Kit available from BMW RDC~~ All cars must conform to minimum weight requirement of 1150kg. Additional weight requirements are included in section 5.2.

Reason:

In the current economic climate the championship can't justify the expense of fitting loggers and putting all cars onto a rolling road in order to confirm their power to weight. In order to allow cars to compete, the registered drivers have requested that the changes above be made to the regulations.

Issued by: David Wheadon

Position: Championship Coordinator

Date: 2nd May 2023