



## CLASSIC TKM REGULATIONS 2020

Introduction – Classic TKM provides a stable and fully sanctioned class structure for those drivers wanting to make full use of the classic TKM BT82 powered class which had its beginnings in the UK in 1989. These regulations are the only ones officially backed by Tal-Ko, the creators and owners of the Formula TKM classes.

These regulations are a simplified version of the full Formula TKM class regulations and are controlled by Tal-Ko.

These regulations should be read in conjunction with the current TKM BT82 official engine fiche and will only be changed on an annual basis unless through force majeure. A copy of the fiche is available online at [www.tal-ko.com](http://www.tal-ko.com). Any specific technical questions on engines should be addressed to [info@tal-ko.com](mailto:info@tal-ko.com)

### **A Chassis**

- A1 Any chassis homologated for the TKM class up to and including the homologation which runs out in 2003.
- A2 Any British made non gearbox chassis made between 1983 and 1994 that meets the same criteria. Driver to provide proof of kart age.
- A3 Rear axle 2 bearing, 30mm diameter, hollow permitted, no ride height adjustment
- A4 No adjustable torsion bars on any area
- A5 No adjustable camber. May be removed by fitting central king pin mount
- A6 No ackerman steering but column can be used with central mounting
- A7 Extended rear hubs permitted and may overhang rear axle if of 2 bolt design
- A8 Fully enclosed chain guard must be used. Type free
- A9 Front stub axles maximum 17mm diameter
- A10 Maximum of 2 additional seats stays, one either side
- A11 Pedals free
- A12 Maximum kart width 1400mm
- A13 Magnesium not permitted other than stated

A14 Carbon fibre/composites only permitted for floor tray and seat

## **B Brakes**

B1 Brakes must be hydraulic or cable operated and effective only on rear axle

B2 Brake system free but not self-adjusting. Maximum 1 pad per side and 2 pistons per pad

B3 Brake disc must be steel or cast iron. Type free

B4 ABS not permitted

B5 Must be fitted with a back-up brake safety cable in case of failure

## **C Wheels and Tyres**

C1 Wheels must be one piece aluminium or magnesium

C2 Front wheels must include bearings. Front hubs NOT permitted

C3 Max wheel width 122mm front and 210mm rear measured internally.  
Maximum 133mm and 217 externally

C4 The only tyres permitted are Maxxis with the words 'Formula TKM' moulded in their sidewalls. Dry slick tyres will have green labels, wet tyres will have red with a white outline labels.

Tyre sizes/types as follows:

Dry – Formula TKM      Front 10x4.50-5,      Rear 11x7.10-5

Wet – Formula TKM      Front 10x4.50-5,      Rear 11x6.00-5

C5 Artificial heating or any chemical treatment of tyres prohibited

C6 Only one set of dry/wet tyres may be used per meeting. If punctured a replacement may be permitted by the scrutineer.

## **D Bodywork/Rear Bumper**

D1 Post 1993 chassis must use sidepods style up to and including CIK02 type

D2 Post 1993 chassis must use front nose, style according to chassis type

D3 Pre 94 chassis bodywork optional

- D4 Rear bumper must be metal full width except on Pre 94 chassis which may use narrower rear bumper of that era
- D5 The rear wheels must at all times be outside or level with the outer edge of the rear bumper. Never inside

## **E Engine**

- E1 All engines must meet the official TKM BT82 engine fiche with all internal parts genuine Tal-Ko manufactured/supplied
- E2 Direct drive or clutched variants may be used – TAG not permitted
- E3 Only cast liners are permitted. CNC liners prohibited
- E4 Eazistart head not permitted
- E5 Original unmodified Motoplat or PVL ignition must be used with maximum advance as detailed in fiche
- E6 No engines with big main bearings, so none after engine number 6867. Note Nos 6744 to 6786 also prohibited because fitted with big bearings.
- E7 External repainting of barrel and head permitted but must be in black
- E8 Engine mount may be aluminium, steel or magnesium
- E9 Airbox may be original Ramair dome type or later Righetti Ridolfi supplied type with or without TKM stamp
- E10 Where using original dome type maximum of 3 holes may be drilled to aid mounting. All holes must be used.
- E11 On later type no holes permitted and 2 trumpets must be a maximum of 23mm internal diameter
- E12 Internal air filter must be used. Type free
- E13 Carburettor Walbro WB19 with TKM stamp must be used in unmodified form except for extension to high jet or low jet to ease adjustment, and Helicoil/Timesert repairs. Spacer block may be fitted with a slot to aid ease of throttle cable fitting
- E14 Only small bore exhausts may be used. We recommend phasing in of TKM stamped exhausts to provide level playing field. End can must be fitted to exhaust, type free

E15 Standard Senior class will use 100cc specification of engine. Heavy class may use 115cc specification

E16 Maximum of 2 engines may be used at any race meeting

## **F Kart Weights**

F1 Minimum weight for kart and driver 100cc, 152kg. Heavy class 162kg  
*Weights to be confirmed*

## **G Sundry**

G1 Number plates red with white numbers. Heavy class to use white plates with black numbers

G2 Period steering wheels of 3-bolt fixing with flat top or bottom permitted. 3 spoke without shaped area for data logger.

G3 Clutch engines must have the on/off engine switch mounted in the area of the steering wheel and clearly marked in off position

### Chassis Homologations

The following chassis have been homologated for use in Formula TKM:

#### 1994 Homologation

Tal-Ko	TKM-S-Stealth	TKM-10-94
Tal-Ko	TKM-L-Stealth	TKM-11-94
Deavinsons	Sprint 100TKM	TKM-12-94
Swift	F TKM	TKM-13-94
Spirit	Spirit SDB	TKM-14-94
Spirit	Spirit SP	TKM-15-94
KartPro	F TKM	TKM-16-94
Zip	CD15	TKM-17-94
Zip	CD10	TKM-18-94
ARC	Senior TKM	TKM-19-94
ARC	Junior TKM	TKM-20-94
Vixen	VB1 Senior	TKM-21-94
Vixen	VB2 Junior	TKM-22-94
SWRD	O2/P2	TKM-23-94
SWRD	O2	TKM-24-94
Kestrel	K4	TKM-25-94
Paul Carr	Venom A	TKM-26-94
Paul Carr	Venom P	TKM-27-94
Anderson	100TKM	TKM-28-94
Tabor	Sabre	TKM-29-94
Patron	Knight L	TKM-30-94

Patron	Knight S	TKM-31-94
Kartsport	Boxer K1	TKM-32-94
Kartsport	Boxer K3	TKM-33-94
Berkeley	Rapide	TKM-34-94
Project One	Project 1	TKM-35-94
Red Dragon	Dragon 94	TKM-36-94
Dartford	Solo 2/94	TKM-37-94
Dartford	Solo 1/94	TKM-38-94
Gillard	TKM 203	TKM-39-94
Gillard	TKM 204	TKM-40-94

The RP Motorsport TKM DP94 kart has been excluded from the homologation list and may not be raced in Formula TKM.

#### 1998 Homologation

Please note that from 1.1.98 manufacturers are not permitted to sell new karts which do not bear the appropriate 1998 chassis markings.

Tal-Ko	TKM Raider	TKM02098
Tal-Ko	TKM Stealth Evo	TKM02198
Patron	Knight TK	TKM02298
Kartsport	Boxer K5	TKM02398
Biz	Biz TKM J	TKM02498
Biz	Biz TKM S	TKM02598
Project One	Project One Evo	TKM02698
Kestrel	K4 (re-homol)	TKM02798
Kestrel	K6	TKM02898
SWRD	06 Suzuka	TKM02998
SWRD	07 Garda	TKM03098
Rocket	RMS Rocket	TKM03198
Zip	CD11	TKM03298
Zip	CD16	TKM03398
Deavinsons	Sprint TKM 100/104	TKM03498
Deavinsons	Sprint TKM100/101	TKM03598
Kartpro	Stratos FormulaTKM	TKM03698
Dartford	Solo Revenge	TKM03798
Dartford	Solo Taurus	TKM03898
McMahon	Shark	TKM03998
Anderson	Fontana	TKM04098
Fullerton	Tiger	TKM04198
Fullerton	Lion	TKM04298
Lovato	Smart Kart	TKM04398
ARC	ARC K2000E	TKM04498
ARC	ARC K2000C	TKM04598
Vixen	VB4	TKM04698
Bowman	Flight	TKM04798
Bowman	Arrow	TKM04898
Gillard	TKM 205	TKM04998
Gillard	TKM 206	TKM05098
Paul Carr	Venom (Re-homol)	TKM05198
Paul Carr	Venom Ultima	TKM05298
Kartell	SDB Meteor	TKM05398
Kartell	SDB Evolution	TKM05498

Wimbledon	Daytona	TKM05598
Slipstream	Pukka	TKM05698
O'Neill	Verde 28	TKM05798
O'Neill	Verde 30	TKM05898

All Turbo karts have been excluded from the homologation list and may not be raced in Formula TKM.

#### 2001 Homologation

Tal-Ko	TKM Raider R1	TKM00101
Tal-Ko	TKM Raider R3	TKM00201
Biz	Biz TKM	TKM00301
Project One	Project One Evo 2	TKM00401
LRG	8 LRG TKM	TKM00501
LRG	2 LRG TKM	TKM00601
Dartford	Solo Tornado	TKM00701
Dartford	Solo Revenge / 2	TKM00801
JKH	Dynamite	TKM00901
Shark M/S	Shark M2	TKM01001
Shark M/S	Shark M1	TKM01101
Shrewley	Jade	TKM01201
Zip	Cougar	TKM01301
Deavinsons	TO1	TKM01401
SWRD	Braga	TKM01501
SWRD	Suzuka / 2	TKM01601
Kestrel	K7 Stinger	TKM01701
Anderson	Magic	TKM01801
John Mills	JM Kart	TKM01901
Modus M/S	Vixen VB5	TKM02001
ARC	K Zero 4-T	TKM02101
ARC	K Zero 4	TKM02201
Paul Carr	Venom Attack	TKM02301
Paul Carr	Venom Avante	TKM02401
Kartell	Spirit Excell 1	TKM02501
Kartell	Spirit Excell 2	TKM02601
Gillard	Gillard 208	TKM02701
Gillard	Gillard 209	TKM02801
TRT	RT9 Mullet	TKM02901
Longfield M/S	RMS Rocket (re-hom)	TKM03001

Draft 6, subject to final confirmation

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