

Morgan Challenge Technical Regulations 2024

<u>Class 6</u>		155 Mean BHP per Tonne			
		<u>Specification</u>			
<u>Para</u>	Appendix 1	<u>E</u>			
5.2	<u>Permitted - Only If it shows "V"</u> <u>Prohibited - If it shows "X"</u>	Moss 4 Spd	(1-7)	Sig (8)	Dura (9)
5.2	Maximum engine capacities	3612		1600	2000
5.4	<u>Mot</u>				
5.4	MOT if required by law	✓	✓	✓	✓
5.5	<u>Chassis</u>				
5.3	ROPS may be extended behind rear axle cut away - SLR Only		✓		
5.8	<u>Bodywork</u> <u>General</u>				
5.6.1.2	Replacement of rear parcel shelf & bulkhead with Ali panels - design and configuration free	✓			
5.6.1.1	Ali access panels in bulkhead - gearbox removal		✓		
5.6.1.3	Additional cooling duct in inner half of top of front wing				
6.6.1.4	Additional bonnet side scoop		✓		
5.6.1.1	Original One Piece body & bonnet SLR only		✓		
5.6.1.2	Use of other than a full Morgan wooden body frame, SLR only		✓		
5.6.1.3	Use of non proprietary MMC Cowls or Grills SLR only		✓		
5.6.1.5	Ground Clearance Minimum (under bottom of Z section at immediately behind cross member toe board)				
5.6.1.5	102mm		✓		✓
5.6.1.5	127mm	✓		✓	
5.8.1	<u>Suspensions</u>				
5.8.1	Replacement of damper blades with Roller Bearings		✓	✓	✓
5.8.1	Front Wheel - Max Camber 1 Degree & Castor 6 degrees (+ or - 1/4 °)	✓			
5.8.1	Front Wheel - Max Camber 2 Degree & Castor 6 degrees (+ or - 1/4 °)		✓	✓	✓
5.8.1	Front Anti Roll Bar (SLR Only D6)				
5.8.3	<u>Max Wheelbase</u>				
5.8.3	245cm + or - 10mm		✓		
5.8.3	250cm + or - 10mm	✓		✓	✓
5.8.3	<u>Max Front Track (Centre of Tyre to Centre of Tyre)</u>				
5.8.3	123.5cm + or - 10mm			✓	
5.8.3	126.5cm + or - 10mm	✓	✓		
5.8.3	130cm + or - 10mm				✓
5.8.3	137.5 cm + or - 10mm				

5.9.9	<u>Max Rear Track (Centre of Tyre to Centre of Tyre)</u>				
5.8.3	130 cm + or - 10mm		✓		
5.8.3	139.5cm + or - 10mm			✓	✓
5.8.3	142cm + or - 10mm	✓			
5.8.3	143.5cm + or - 10mm				
5.9.1	<u>Transmission</u>				
5.9.3	Axle Ratio's - Free		✓		
5.9.3	Std production Axle ratios	✓			
5.9.3	May use 3.73 or 4.1 Ratio			✓	✓
5.9.3	Std Morgan production H Pattern 4 Spd synchromesh gearbox, Synchromesh gearsets - Free	✓	✓		
5.9.3	Std Morgan production H pattern Max 5 Spd synchromesh gearbox				
5.9.3	Std Morgan production H pattern Max 5 Spd synchromesh gearbox, Synchromesh gearsets - Free		✓	✓	✓
5.11	<u>Brakes</u>				
5.11.1	<u>Front Brakes</u>				
5.11.1	Front brake discs - Max 278mm x 12.75mm thickness – Cast Iron	✓	✓	✓	✓
5.11.1	Drum brakes 9" x 1 3/4" Cast Iron		✓		
5.11.1	Callipers - Max 4 pot		✓	✓	✓
5.11.1	Callipers - Max 2 pot	✓			
5.11.1	Brake pad - Max 43.5cm ² swept pad area		✓	✓	✓
5.11.1	Brake pad - Max 37.9cm ² swept pad area	✓			
5.11.1	<u>Rear Brakes</u>				
5.11.1	Rear drum - max size 9" x 1 3/4" - Cast Iron	✓	✓	✓	✓
5.12	<u>Wheels / Steering</u>				
5.12.1	<u>Steering</u>				
5.12.1	Gemma Steering Box	✓	✓		
5.12.1	Steering rack			✓	✓
5.12.1	Hi Ratio Steering Rack				
5.12	<u>Wheels</u>				
5.12.1	Any Make or Design - Steel or Aluminium		✓		
5.12.4	<u>Front & Rear</u>				
5.12.4	Std Morgan style max size 5.5" x 15"	✓			
5.12.4	Std Morgan style max size 5" x 15" wire wheel			✓	
5.12.4	Max size 6" x 15" Alloy, Steel or Wire		✓		✓
5.13	<u>Tyres</u>				
5.13.2	<u>Front & Rear</u>				
5.13.2	Yokohama AO52. Max size 195 x 15" Min profile 55%.	✓	✓	✓	✓
5.13.2	Avon CR6ZZ Max size 185 x 15". Min profile 70%	✓	✓	✓	✓
5.13.2	Dunlop L		✓		
5.13.3	<u>Tyres Prohibited</u>				
5.13.3	Change of wheel & tyre type or make and or designation between practice and race at any meeting	X	X	X	X