

22

QUADS

22.1 PROTECTIVE CLOTHING – QUADS

22.1.0.1 Protective clothing and requirements are as provided in the discipline specific sections of the GCRs.

22.2 FOOTWEAR IN PITS

22.2.0.1 Closed footwear must be worn in the pit area at all times.

22.3 FRAMES AND PARTS - QUADS

22.3.0.1 A quad must have:

- a) 4 wheels,
- b) A wheel at each corner of the machine,
- c) The front wheels must be used for steering and the rear wheels for driving,
- d) A maximum overall width, including the rear tyres of 1400mm,
- e) A maximum wheel base of 1500mm,
- f) There must be a seat for 1 person,
- g) The rider must straddle the seat,
- h) A chain guard as per GCR 12.8.8,
- i) A frame [Nerf Bar] between the front and rear wheels which must:
 - i) Be of closed loop design,
 - ii) Not extend beyond a point of the widest dimensions of the vehicle, measured with a straight edge touching the outside of the front and rear tyres,
 - iii) Constructed to prevent the riders feet from going below the bars (material webbing is acceptable),
 - iv) Be bolted or welded to the frame,
 - v) Be close enough to the front and rear wheels to prevent

locking together of competitors' machines,

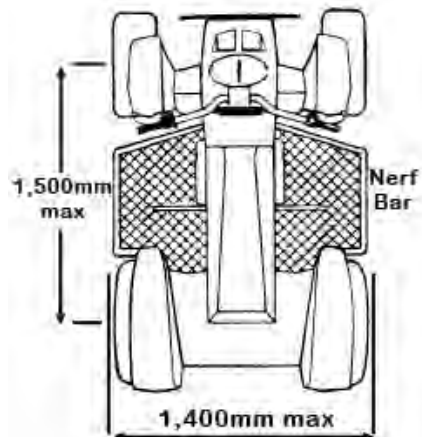
- vi) Have no sharp, protruding or open end tubing.
- j) A self closing throttle,
- k) An engine cut-out switch, of lanyard type attached to the body,
- l) Effective brakes on all wheels,
- m) Handlebars, rubber hand grips, handlebar levers and number plates,
- n) Noise emissions of no more than 94/96 dB(A) as measured in GCR 12.10. depending on the discipline,
- o) No sharp or protruding extremities,
- p) Glass, mirrors and headlights removed.

22.3.0.2 Mudguards which:

- a) Must be fitted over the rear wheels,
- b) May be fitted over the front wheels.

22.3.0.3 All Junior quads must retain OEM engine cases and frames.

22.3.0.4 Reducing the capacity of larger



machines to suit the class capacity is not permitted:

22.3.1 Tyres- Quads

22.3.1.1 Rear tyres may be prescribed in the SR.

22.4 ENGINES - QUADS

22.4.1 Capacities- Quads

22.4.1.1 The maximum engine capacity for a 2-stroke engine quad shall not exceed 550cc, and be no more than 2 cylinders.

22.4.1.2 The maximum capacity for a 4-stroke engine quad shall not exceed 700cc and be no more than 2 cylinders.

22.4.1.3 The actual engine capacity of a machine competing in a capacity class is not to exceed the prescribed capacity for that class by more than 5%.

22.4.1.4 Where in Junior competition, the words OEM standard are used, all quads must be OEM machines with no modifications

22.4.2 RIDER AND MACHINE IDENTIFICATION - QUADS

22.4.2.1 Number plates are to:

- a) Comply with GCR 12.6,
- b) Be mounted centrally at the front and rear of the machine.

22.4.2.2 No competitor may compete unless wearing the machine identification number on his or her back in contrasting colours and with a minimum size of 125mm height and 20mm width of stroke.

22.5 FUEL- QUADS

22.5.0.1 Fuel for all machines must:

- a) Be Unleaded, and
- b) Be no more than 100 RON, and
- c) Contain no additives other than those added at the point of manufacture except for lubricating oil for 2-stroke engines, and
- d) Be readily available from retail petrol pumps within Australia, or
- e) Be a brand of fuel homologated by MA that is compatible with the "Fuel Quality Standards Act 2000"

22.6 CLASSES AND AGE GROUPS- QUADS

22.6.1 Quads- Club Level Racing

CLASS(ES)	RACING
50cc STD	No suspension
50cc STD	With suspension
90cc 2-stroke Standard. 110cc 4-stroke Standard	Race Together
90cc 2-stroke Modified 110cc 4-stroke Modified	Race Together
200cc 2-stroke Modified Air Cooled	Race Together
300cc 4-stroke Modified Air Cooled	
200cc 2-stroke Modified Water Cooled 300cc 4-stroke Modified Water Cooled	Race Together
Open 2-stroke Modified, (max capacity 550cc) Open 4-stroke Modified, (max capacity 700cc)	Race Together

22.6.2 Quads- Stadium Classes

CLASS(ES)	RACING
Open 2-stroke Modified, (max capacity 550cc) Open 4-stroke Modified, (max capacity 700cc)	Race Together

22.6.3 Quads- Dirt Track Classes

CLASS(ES)	RACING
Open 2-stroke modified (max. capacity 550cc) Open 4-stroke modified (max. capacity 700cc)	Race together
450cc single cylinder 4-stroke 300cc single cylinder 2-stroke.	Race together

22.6.4 Quads- Speedway

CLASS(ES)	RACING
Open Outlaw Senior 451cc to 700cc 4-stroke Open Outlaw Senior 351cc to 550cc 2-stroke	Race together

Pro Senior 450cc 4-stroke	Race together*
Pro Senior 350cc 2-stroke	
Junior 12 to 15 years 350cc 4-stroke	Race together
Junior 12 to 15 years 200cc 2-stroke	
Junior 9 to U13 years 110cc 4-stroke modified	Race together
Junior 9 to U13 years 90cc 2-stroke modified	
Junior 7 to 10 years 110cc 4-stroke OEM	Race together
Junior 7 to 10 years 90cc 2-stroke OEM	
Junior 9 to 12 years 110cc 4-stroke OEM	Race together
Junior 9 to 12 years 90cc 2-stroke OEM	
Junior 7 to 9 years 50cc Auto and Semi Auto OEM (Competitive class)	
Junior 5 to U9 years 50cc Auto and Semi Auto OEM (Non Competitive class)	

*Zero Tolerance

22.6.5 Quads- Enduro/Cross Country, Desert Classes

Enduro/Cross Country, Desert only

Up to 850cc 2WD/4WD

22.6.6 Junior Age Groups

- 22.6.6.1 Subject to the next sub rule and GCR 12.16.0.1, no person who:
- Has attained the age of 16 years, or
 - Is unable to right their machine may compete in any junior competition.
- 22.6.6.2 No junior who has attained the age of 9 years may participate on a 50cc machine.
- 22.6.6.3 Junior competitors in the following age groups may compete in the corresponding classes:

AGE RANGE	CLASS(ES)
5 to under 9 years	50cc non-competition mini-Standard

7 to under 9 years	50cc Auto or Semi Auto Standard.
7 to under 10 yrs	up to 90cc 2-stroke or 110cc 4-stroke Standard.
9 to under 13 yrs	up to 90cc 2-stroke or 110cc 4-stroke Standard.
9 to under 13 yrs	up to 90cc 2-stroke or 110cc 4-stroke -Modified.
12 to under 16 yrs	up to 200cc 2-stroke or 300cc 4-stroke.-Modified
15 to under 16 yrs	up to 200cc water cooled 2-stroke Modified or 300cc water cooled 4-stroke Modified

22.7 COMPETITION RULES - QUADS

22.7.1 Starting

- 22.7.1.1 Unless otherwise determined in the SR, massed starts must be used.
- 22.7.1.2 The order and position of each competitor will be at the discretion of the Promoter and will be determined on the day of the event.
- 22.7.1.3 The starting grid for all events will:
- Have not less than 2 metre space for each quad,
 - Be in a straight line,
 - Allow for no more than 20 competitors.
- 22.7.1.4 The maximum number of starters must be specified in SR.
- 22.7.1.5 Unless otherwise determined in the SR:
- All competitors must be called to the start line at least 2 minutes before each start,
 - At the end of the 2 minutes, and when the starter is ready, the starter will hold up a 30 second sign for a full 30 seconds,
 - At the end of 30 seconds a 5 second sign will be displayed,
 - The gate will drop between 5 and 10 seconds after the 5 second sign is shown.

22.7.2 Finishing

- 22.7.2.1 The finish line must be:
- Marked with a flexible post at each side of the track,
 - Clearly visible to the judge.