

# WING 12

## **Race duration**

Qualifying is 60 seconds no bye

Final 3 minute bracket / 3 minute lane change

## **Body**

Any winged body. Driver stickers are required. See general rules bodies

## **Chassis**

Any commercially available steel chassis. Weight may be cut out. No other modification.

## **Car weight**

No Minimum weight

## **Gears Any**

## **Rear axle**

Any 3/32 solid only. Bearings permitted

## **Motor**

Any mass produced full size c/can set up. No strap cans any mass produced c/can end bell excluding those made for from a metal or alloy of metals. Must use original brush hoods and buss bars, spring post may be substituted. End bell and hardware may not be modified in any way End bell to can and hardware screws may be added and or substituted. Can may not be modified in any way except for the following. Notching for axle clearance. Removal of paint to facilitate soldering Oilite hole may be centred. A small hole may be drilled in each side of the can to aid in the gluing of magnets (2mm max) bearing permitted in both ends of motor. Any full can height, single piece ceramic magnet may be used. [No quads Except for Proslot SMQ] Magnets may not contain rare earth materials defined as elements with the atomic weight 58 through 71. Magnets may be glued, shimmed, radiused and polished. Any brushes and springs may be used. Shunt wire and insulation may be used. Any tagged X-12 or X12+ armature with a minimum stack length of 0.350" and minimum 50 series wound turns of 29 gauge [AWG wire may be used. Minimum armature diameter 0.512" Armature spacers may be used.

## **Tires**

Plain hub maximum diameter in hub .500.