

## **Set-Back Distances For Sport Pylon Racing**

*Events that meet this criteria are automatically granted the site set-back waiver.  
Amended by EC on October 31, 2009 ... (noted in italics)*

### **1. Club 40 racing**

**Aircraft:** Sport designed *aircraft* originally manufactured for .46 size engines.

Acceptable aircraft include, but are not limited to: World Models Sky Raider Mach II and LA Racer, Airborne models T-34 or Super Sports, Sig 4 Star 40, Hobbico Avistar 40 or HAN 9 Arrow. Other airframes may be allowed if they meet our criteria. No “quickie” style planes are allowed. Only aircraft/engine/propeller combinations that average 100 mph or less will be allowed.

**Engines:** NO purpose designed racing engines (Jett, Nelson etc.) will be allowed in this class.

**Mufflers:** Engines must use stock mufflers designed for the engine. NO modifications allowed (i.e. removing baffle, drilling out stinger etc)

**Carburetor:** Engines must use the carburetor designed for and included with the engine. Engine must be capable of sustained idle and transition to full throttle.

### **2. Sport Quickie .25**

**Aircraft:** Any “quickie 500” airframe (or equivalent), ARF or built to plans; Global AT-6 “Texan” ARF or similar “sport” aircraft.

**Engines:** Sport .25 size engines. Examples would include: OS FX, OS LA, Magnum, GMS, Norvel and Thunder Tiger. NO purpose designed racing engines (Jett, Nelson etc.) will be allowed in this class.

**Mufflers:** Engines must use stock mufflers designed for the engine. NO modifications allowed (i.e. removing baffle, drilling out stinger etc)

**Carburetor:** Engines must use the carburetor designed for and included with the engine. Engine must be capable of sustained idle and transition to full throttle.

These airframe/engine combinations fly at airspeeds below 100 mph. The breakout speed will be determined by a 400 ft course at 64.8 seconds. If the speed is any faster the aircraft is not qualified for Club 40 and Sport Quickie .25 racing.

**Aircraft with AVERAGE airspeeds in excess of 100 mph will be required to fly by the set backs imposed on general pylon racing and will not be flown on this smaller course.**

**Other events using models powered by 4-stroke or electric with an overall weight under six (6) pounds can also use these distances for club sport racing purposes.**

**Course requirements: (NOTE: the distances shown in parenthesis are absolute minimum distances, you should strive to use the maximum distances your field will allow.**

- The minimum distance from pylon line to pilots will be (125) ft
- The minimum distance from Dead line (no fly zone) to pilots will be (50) ft.
- The minimum distance from pylon line to officials is (150) ft.
- The minimum distance from pylon line to spectators is (275) ft.
- The minimum distance from Dead line (no fly zone) to spectators is (200) ft.

**ALL PERSONS within 275 ft. of the pylon line during flight operations will be required to wear a hard hat.**

Only pilots and helpers (callers) or race officials involved in the current heat will be allowed with-in (150) ft. of the pylon line during flight operations.

