

What follows is an example of the method and modifications I plan for my LAK trailer and rigging.



These are three of the five pieces used to rig Bob Faris LS-3. It is mostly aluminum. The wing dolly attaches to each wing saddle. The saddles support the wings near the balance point on the trailer floor and quick pin to the dolly. The lower stand is used to support the wing while fitting the dolly. The wing is locked vertically by the root dolly. The taller stand is a wing stand.



The wing (183lb) is pulled out and swung to a position where the saddle is outboard of the wing holes and put in the stand.



The dolly is attached to the saddle and the wing stand removed.



The root dolly vertical lock is unpinned.



The wing is rotated, then the spar lock is released. Note the wide track of the dolly. This can be done single handed in winds to 25kts.



The root is jockeyed into position.



Alignment is checked.



Wing stand is placed and dolly removed from saddle. Note wheels are a couple inches above ground.



Right wing is extracted.



Rotated and unlocked.



Jockeyed. (Note about 12-15knots of wind at the sock)



A bit more....



And done.



The root dolly stays in the trailer and rides in the side and floor tracks. The spar carry-through fits into an insert at the far end when the wing is home. For traveling, the tip is tied down. The saddle ride on the floor. It's notched to fit over the vertical part of the track for lateral stability.



The root dolly is hinged at the lock, and for rotation.



These pivot as a unit to allow the wing to swing.



The saddles are padded.



The strap fits through a loop and Velcro secures it to itself. The wings tend to stay flat when rotated flat. My Udo dolly tends to be forward loaded and the wings tend to want to stay vertical. At the balance point, the LAK chord is two inches wider than the LS-3. The LAK panel is 47lbs heavier than the LS-3 and about 3m longer.



The dolly folds for storage if unpinned.



Another view.



The wheels can also be unpinned. A wheel can be used with another assembly as a tow out tip wheel.



The axle screws into the aluminum mount. I'm not sure this can actually support the higher weight of the LAK wings.



Trailer root boot.