

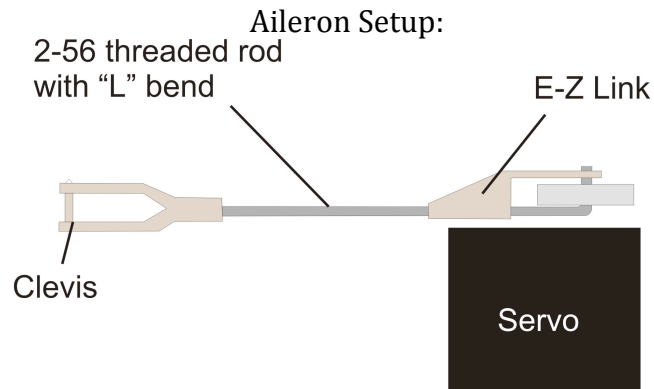
AME 40462: Senior Aerospace Design Linkages

From Paul regarding connections between servo arm and control surfaces:

Ailerons typically will be connected with Dubro 2/56 threaded rod, threaded only on one end. (Tower Hobbies part number LXD867 or 869). A control clevis is screwed onto the threaded end and the other end is bent into a "Z" or secured with a special one sided clevis that snaps on the wire and over a "L" bend. Dubro E/Z Link (Tower Hobbies part number LXAZC3) *see attached file below*

Push rods that go from the servos to the control surfaces are typically a kit that consist of an inner plastic rod, an outer plastic sleeve and threaded hardware to attach a clevis to one end. Sullivan Flex Gold-N-Rod (read provided manual in kit). (Tower a part number LXFU90)

Note - You cannot use threaded hardware at both ends of a push rod. Threaded rod and a clevis are used together to aid in making small adjustments to length. One end must be fixed so the rod can't adjust length on its own. If you are thread on both ends the rod can spin changing its length.



A Dubro threaded rod (threaded on one end only) is bent into an L on the non-threaded end. Snap a Dubro E-Z link over the rod. Use a nylon or steel clevis on the other end.