How to select the correct TriTask A500, A600 or A700 Series Aircraft Jacks to lift fixed wing airplanes...

1. If the airplane weights more than 8000 lbs. (3629kg) but equal to or less than 32000 lbs. (14517kg), you must select any of the **TriTask A700 Series Aircraft Jacks**.
2. Measure the distance from the hanger floor up to the bottom of each of the jack point tips located on the underside of the airplane.
3. When deciding below which **TriTask Aircraft Jacks** to use for your application, please factor in the following conditions, as they have an effect on the jacking point height:
    a. Is the fuel on board the airplane less than or more than normal?
    b. Are the tires under inflated... over inflated... or normal?
    c. Are the struts less compressed or more compressed than normal?
4. The normal primary **net clearances** will be 4.5" (11.4cm) less than the measurements you took in number **2** above. If any of the conditions found in number **3** were not normal, then you should adjust either up or down as much as 2.5" (6.4cm) to establish the adjusted **net clearances** needed.
    a. Example...
        i. An airplane has more than the normal fuel on board and the struts are compressed more than normal. Therefore it would be wise to add to your measurements maybe 1.5" (3.8cm) to establish the adjusted **net clearances** you need.
        ii. If one of your measurements was 30." (76.2cm) from number **2** above, then your **net clearance** would be 27." (68.6cm). This represents 30." minus the normal primary 4.5" plus the adjusted 1.5" equaling 27" (76.2cm – 11.4cm + 3.8cm = 68.8cm).
5. If you'll be using the standard top-of-the-jack load cells to lift the airplane, your new **net clearances** will be 4.5" (11.4cm) less than what you established in number **4** above.
6. Now you can choose the **TriTask Jacks** that are equal to or just a little shorter than the appropriate **net clearances** you established before. If the difference is more than 2" (5cm), you should use an **AT-EBxxx Extension Bar** to make up the difference.
7. Sometimes it is better to have a little shorter **TriTask Jack** combined with one of the **AT-EBxxx Extension Bars** so the **TriTask Jack** can possibly be used on other airplanes—so long as the shorter **TriTask Jack** has enough lifting stroke to lift the wheels off the hanger floor.
8. Please call or email us with your findings so we can better serve our customers at 800-253-2076 or customersupport@meyerhydraulics.com .