

The Aero Ski M3700

Aero Ski is pleased to announce the offering the M3700 Wheel Replacement Ski. The Federal Aviation Administration has approved this ski on the Cessna 185 Skywagon, enabling gross weight of up to 3700 lbs. with no load limitation.



To meet our criteria, additional features and manufacturing processes were implemented and developed for several of the primary components.

Pedestal:

The requirements of the ski demanded high load capability and an axle height of 12", while minimizing overall size and weight. With NO ADDITIONAL PARTS OR WEIGHT, features were formed into the pedestal to provide the additional strength required. All the while retaining as

much aerodynamic advantage that the pedestals of wheel replacement skis provide. The outcome of our efforts produced a pedestal that removed stress risers and retained the clean, distinctive lines that Aero Skis are known for.



Tunnel

The new tunnel, and associated doubler plates, are made of 2024-T3 Aluminum. The depth is over 5" and the length is within 2" of the overall ski length. The tunnel length and depth were maximized to give the ski the added strength and material where necessary.

This reduces the stress values and also places material, where necessary, to assist in transitioning stress from one structural feature to the next.



Bottom

The ski bottom is made of .190" thick, 2024-T3 Aluminum, formed through our proprietary production process. This process provides a channel designed to give the additional strength necessary along the longitudinal axis of the ski.

Plastic Development

With the addition of the channel feature in the aluminum ski bottom, the plastic bottom also requires forming. The 1/8" plastic bottom, applied for limiting "freeze-down" and reducing drag, comes standard on the M3700.

End Result

The end result is a ski that met the design requirements, while simultaneously retaining the sleek Aero Ski curves. This was accomplished while remaining under 100 pounds per pair.

Aero Ski is proud to introduce the M3700 Wheel Replacement Ski. We hope that you will be deeply satisfied with it as well.