

MICHELIN® AVIATOR®



Michelin Aviator aircraft tires for the F5 are precision engineered to deliver ultra high performance and long life in a lightweight package. Featuring critically important design and construction attributes, they have earned a distinctive reputation with aviators around the world.

Michelin's High Performance
Tires for the F5 Fighter.



Product Brief.

Aircraft: F5 Freedom Fighter/Tiger II

Operational Parameters:

Designed as a lightweight, high performance fighter, the F5 was originally developed as part of the U.S. Military Assistance Program in the 1950s. Because of its desirable performance characteristics, the F5 is often called on to fly a high number of sorties. That makes the selection of tires critical.

Tire Description:

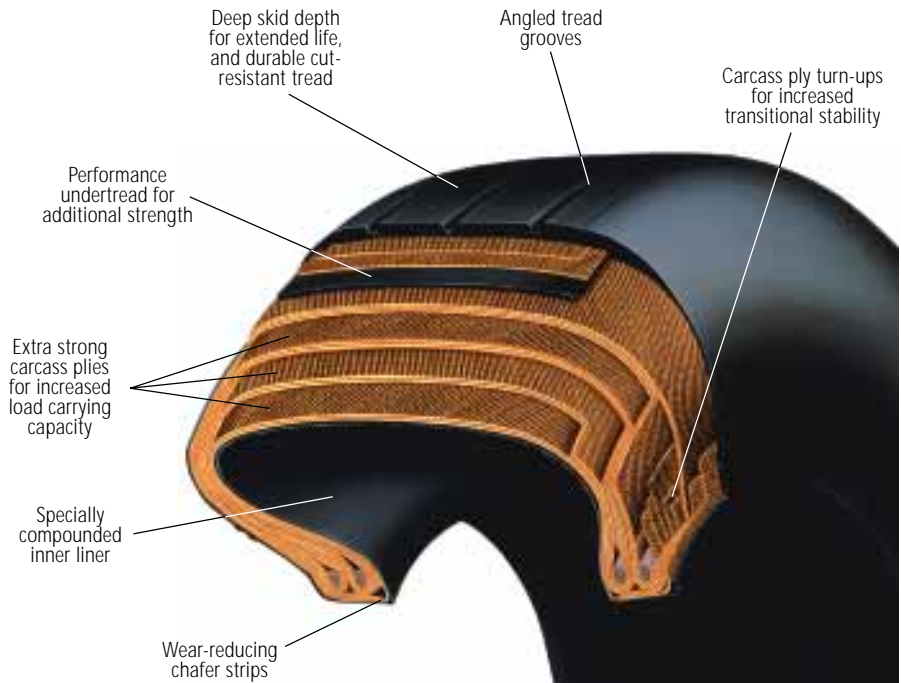
Michelin Aviator tires for the F5 are designed to deliver outstanding performance, while exhibiting the same lightweight characteristics as the aircraft itself. They are manufactured with state-of-the-art production techniques and equipment, using only the highest quality raw materials. One of Michelin's answers for the F5 tire is the use of fabric plies which add strength and load capacity, without adding weight. The removal ply is colored red, which gives the operator a clear indication of when the tire needs to be replaced. This is just one of the many features that result from decades of Michelin innovation and expertise.

Important Tire Features:

- **Red Ply.** Specific ply is colored red, which when visible, indicates the need to replace the tire.
- **Vigorous Undertread.** Special compounds enable the tread to withstand ultra high stress at high speeds – a must for fighter aircraft.
- **Dual Beads.** Michelin design generates added strength in the casing without compromising the lighter weight requirement.
- **Angled Tread Grooves.** Grooves are angled to support tread stability during high stress situations, and to provide extra protection during crosswind lands.

Michelin® Aviator® Aircraft Tires.

Aviator F5 Tire Construction.



Michelin Aviator F5 Tires	Nose Tires		Main Tires	
	F5A/B & E	F5A/B	F5E	
Size/PR	18x6.5-8/12	22x8.5-11/16	24x8.0-13/18	
Part Number	008-644-1	010-530-2	008-689-0	
OD – min./max. (in.)	17.45/18.00	21.40/22.00	23.40/24.00	
SW – min./max. (in.)	6.20/6.50	8.10/8.50	7.55/8.00	
Rated Load	5,000	10,000	12,500	
Rated Pressure	150psi	210psi	285psi	
Rated Speed (mph)	265	217	265	
Governing Specification	63J4242H	63J4241F	73453C	
National Stock Number	2620-00-779-1194	2620-00-779-1213	2620-00-070-0785	
Skid Depth (in.)	.20	.20	.25	
Weight (lbs.)	11.8	27.0	30.7	
Classification	Tubeless	Tubeless	Tubeless	
Number of Grooves	3	3	3	
Red Cord Layer	N/A	4th Layer	5th Layer	

Michelin Aircraft Tyre Product Line

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