

MICHELIN® AVIATOR®



Michelin Aviator aircraft tires for the F16 are precision engineered to deliver ultra high performance and long life under the toughest conditions. Featuring critically important design and construction attributes, they have earned a distinctive reputation with aviators who rely on them every day.

Michelin's High Performance
Tires for the F16 Fighter.



Product Brief.

Aircraft: F16 Fighting Falcon

Operational Parameters:

The F16 has been a proven performer since it was introduced in 1979. In fact, during the 1991 Persian Gulf conflict, F16s flew more sorties than any other aircraft. Designed as a compact, highly maneuverable fighter, its performance is considered to be best in class. To maintain its edge, its tires must be top performers.

Tire Description:

The main landing gear of an F16 is set at a camber to increase load carrying capacity. As a result, the tires' footprints can change based on the aircraft's weight. Extreme operating parameters like these demand tires with high pressure and incredible durability. Michelin Aviator F16 tires are designed for these conditions, and reflect decades of Michelin innovation and expertise. They are manufactured with advanced production techniques and equipment, using only the finest quality raw materials.

Important Tire Features:

- **Red Ply.** Specific ply is colored red, which when visible, indicates the need to replace the tire.

- **Dual Bead.** Adds strength in the casing and provides a tight anchor to the wheel.

Block 30:

- **High Modulus Compounding.** Enhances the number of landings.

- **Tread Reinforcing Plies.** Improves cut resistance and stabilizes footprint under performance conditions.

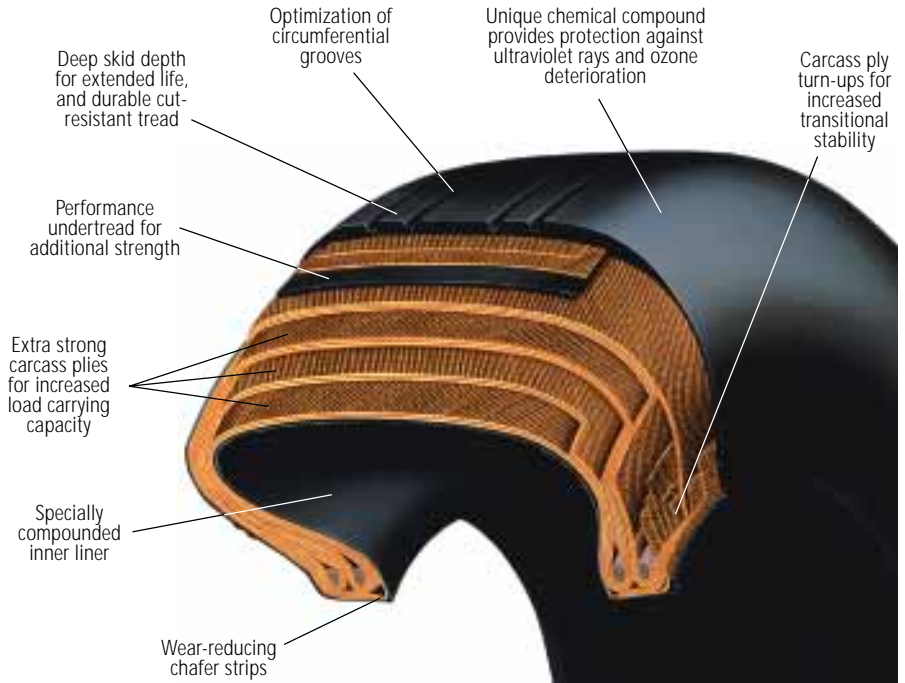
Block 40/50:

- **Casing Wrap.** Low density casing wrap provides high strength while meeting light weight requirements.

- **Long Life.** Wear removal criteria for main landing gear tire is 3rd ply.

Michelin® Aviator® Aircraft Tires.

Aviator F16 Tire Construction.



Michelin Aviator F16 Tires	Nose Tires		Main Tires	
	F16 BL 30/40	F16 BL 30/40	F16 BL 30	F16 BL 40
Size/PR	18x5.5/14	18x5.7-8/18	25.5x8.0-14/20	27.75x8.75-14.5/24
Part Number	008-633-1	008-643-1	008-665-2	005-668-3
OD – min./max. (in.)	17.30/17.90	17.30/17.90	24.85/25.50	27.05/27.75
SW – min./max. (in.)	5.35/5.75	5.35/5.70	7.30/8.00	8.25/8.75
Rated Load	6,200	8,600	16,200	21,500
Rated Pressure	215psi	300psi	310psi	320psi
Rated Speed (mph)	275	250	250	259
Governing Specification	66D1895	Lockheed16VL027	Lockheed16VL028	Lockheed16VL032
National Stock Number	2620-00-052-4222	2620-01-157-3821	2620-01-142-6461	2620-01-277-2690
Skid Depth (in.)	.21	.21	.28	.35
Weight (lbs.)	14.2	15.9	40.6	52.2
Classification	Tubeless	Tubeless	Tubeless	Tubeless
Number of Grooves	3	3	4	4
Red Cord Layer	5th Layer	6th Layer	4th Layer	N/A

Michelin Aircraft Tyre Product Line

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