

CHAPTER

51

Structures

CHAPTER 51
STRUCTURES

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A = Added, R = Revised, D = Deleted, O = Overflow, C = Customer Originated Change

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CHAPTER 51
STRUCTURES

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STRUCTURES - GENERAL DESCRIPTION

General

These are the general dimensions of the airplane.

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Technical drawings of the Boeing 737 MAX 8 showing dimensions in feet and inches, and meters.

Top View Dimensions:

- Wingspan: 42 FT 8 INCHES (13.0 METERS)
- Wingtip clearance: 1.0' (TYPICAL)
- Main cabin width: 15 FT 10 INCHES (4.6 METERS)
- Wing chord: 12 FT 4 INCHES (3.8 METERS)
- Wingtip height: 9 FT 6 INCHES (2.9 METERS)

Side View Dimensions:

- Overall height: 40 FT 4 INCHES (12.3 METERS)
- Ground line: GROUND LINE
- Engine height: 13 FT 5 INCHES (4.1 METERS)
- Wing height: 51 FT 2 INCHES (15.6 METERS)
- Overall length: 128 FT 4 INCHES (39.1 METERS)
- Overall length including tail: 129 FT 8 INCHES (39.5 METERS)

Front View Dimensions:

- Overall width: 117 FT 10 INCHES (35.8 METERS)
- Wingtip clearance: 112 FT 7 INCHES (34.3 METERS)
- Wingtip height: 47 FT 1 INCH (14.4 METERS)
- Engine height: 18 FT 9 INCHES (5.7 METERS)
- Wingtip height: 18.3 INCHES (0.5 METER)

STRUCTURES - GENERAL DESCRIPTION

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STRUCTURES - COMPOSITE MATERIALS

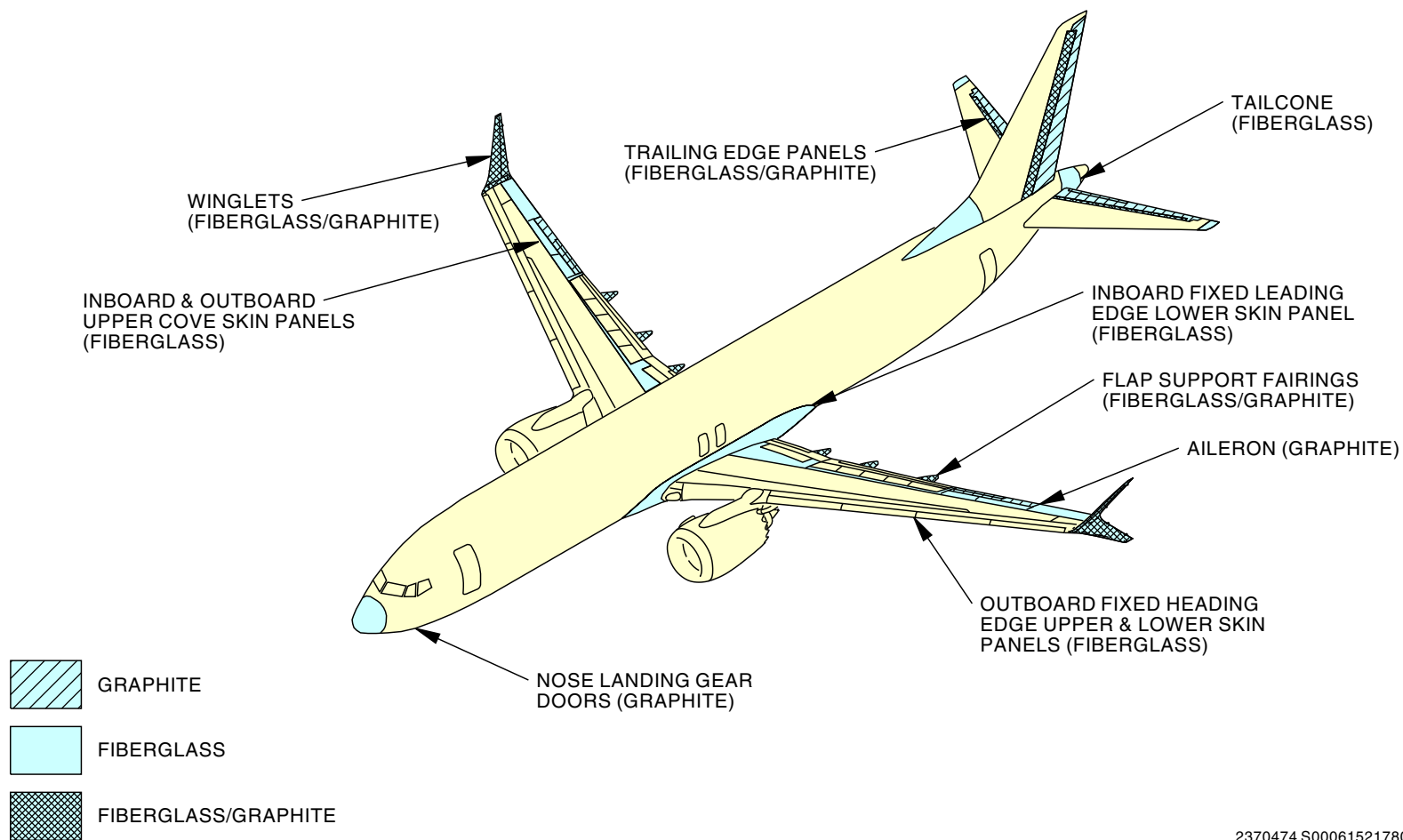
General

Some airplane structure and parts are composite materials. These are some advantages of composite materials:

- High strength
- Corrosion resistant
- Increased fatigue life
- Light weight.

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STRUCTURES - COMPOSITE MATERIALS



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STRUCTURES - COMPOSITE MATERIALS

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