

Sukhoi Su-25 Frogfoot: The Ultimate Air-to-Ground Attack Aircraft



The Sukhoi Su-25 Frogfoot is a Soviet-designed, single-seat, twin-engine, subsonic attack aircraft developed in the 1970s. It was designed to provide close air support for ground forces and has been used extensively in conflicts around the world, including the Soviet-Afghan War, the Gulf War, and the Syrian Civil War.

The Su-25 is a rugged and versatile aircraft, with a powerful armament that includes a variety of bombs, rockets, and missiles. It is also well-armored and has a high rate of climb, making it difficult for enemy aircraft to intercept.



Sukhoi Su-25 Frogfoot (Air Vanguard Book 9)

by Alexander Mladenov

★★★★☆ 4.5 out of 5

Language : English

File size : 8178 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Print length : 141 pages



The Su-25 has been a popular export aircraft, and it is currently in service with over 20 countries. It has proven to be a valuable asset for air forces around the world, and it is likely to remain in service for many years to come.

History

The Su-25 was developed in response to a Soviet requirement for a new close air support aircraft. The existing Su-7 and MiG-23 aircraft were not well-suited for this role, and the Soviet Union wanted a dedicated aircraft that could provide better support for ground forces.

The design of the Su-25 began in 1972, and the first prototype flew in 1975. The aircraft entered service with the Soviet Air Force in 1981, and it quickly became a popular aircraft with pilots and ground forces alike.

The Su-25 has been used in a variety of conflicts around the world, including the Soviet-Afghan War, the Gulf War, and the Syrian Civil War. It has proven to be a valuable asset for air forces around the world, and it is likely to remain in service for many years to come.

Design

The Su-25 is a single-seat, twin-engine, subsonic attack aircraft. It has a distinctive "frogfoot" nose, which houses a variety of sensors and equipment. The aircraft is also heavily armored, with a titanium bathtub-shaped cockpit that provides protection for the pilot.

The Su-25 is powered by two Tumansky R-95Sh turbojet engines, which give it a top speed of Mach 0.85. The aircraft has a combat radius of 600 kilometers (370 miles) and can carry a variety of weapons, including bombs, rockets, and missiles.

The Su-25 is a highly maneuverable aircraft, and it can perform a variety of acrobatic maneuvers. It is also a very stable aircraft, and it can be flown in a variety of weather conditions.

Armament

The Su-25 is armed with a variety of weapons, including bombs, rockets, and missiles. The aircraft has a total of 10 hardpoints, which can be used to carry a variety of weapons, including:

* Bombs: The Su-25 can carry a variety of bombs, including unguided iron bombs, cluster bombs, and laser-guided bombs. * Rockets: The Su-25 can carry a variety of rockets, including unguided rockets, guided rockets, and air-to-air rockets. * Missiles: The Su-25 can carry a variety of missiles, including air-to-air missiles, air-to-ground missiles, and anti-ship missiles.

The Su-25's armament makes it a very versatile aircraft, and it can be used to attack a variety of targets, including ground forces, armored vehicles, and aircraft.

Avionics

The Su-25 is equipped with a variety of avionics, including a radar, a laser rangefinder, and a navigation system. The aircraft also has a head-up display (HUD) and a multi-function display (MFD).

The Su-25's avionics suite gives it a high level of situational awareness, and it позволяет the pilot to operate the aircraft in a variety of weather conditions.

Operational History

The Su-25 has been used in a variety of conflicts around the world, including the Soviet-Afghan War, the Gulf War, and the Syrian Civil War. The aircraft has proven to be a valuable asset for air forces around the world, and it is likely to remain in service for many years to come.

In the Soviet-Afghan War, the Su-25 was used to provide close air support for Soviet ground forces. The aircraft was very effective in this role, and it помог the Soviet Union to achieve victory in the war.

In the Gulf War, the Su-25 was used by the Iraqi Air Force to attack Coalition forces. The aircraft was not as successful in this role, and it was largely ineffective against Coalition air defenses.

In the Syrian Civil War, the Su-25 has been used by both the Syrian government and the rebel forces. The aircraft has been used to attack a variety of targets, including ground forces, armored vehicles, and aircraft.

The Su-25 has proven to be a valuable asset for air forces around the world, and it is likely to remain in service for many years to come. The

aircraft is a rugged and versatile aircraft, with a powerful armament and a high уровень survivability.

Variants

There are a number of variants of the Su-25, including:

* Su-25: The original variant of the Su-25. * Su-25K: A carrier-based variant of the Su-25. * Su-25UB: A two-seat training variant of the Su-25. * Su-25BM: A modernized variant of the Su-25. * Su-25SM: A further modernized variant of the Su-25.

The Su-25 has also been used as the basis for a number of other aircraft, including:

* Su-28: A dedicated reconnaissance variant of the Su-25. * Su-39: A dedicated attack variant of the Su-25. * Su-47 Berkut: An experimental fighter aircraft based on the Su-25.

Operators

The Su-25 is currently in service with over 20 countries, including:

* Afghanistan * Angola * Armenia * Azerbaijan * Belarus * Bulgaria * Czech Republic * Ecuador * Hungary * India * Iran * Iraq * Kazakhstan * Libya * North Korea * Peru * Poland * Russia * Serbia * Slovakia * Sudan * Syria * Ukraine * Uzbekistan * Vietnam * Yemen

The Su-25 is a popular export aircraft, and it is likely to remain in service with many air forces around the world for many years to come.

The Sukhoi Su-25 Frogfoot is a powerful and versatile attack aircraft that has been used extensively in conflicts around the world. It is a rugged and well-protected aircraft, with a powerful armament that makes it a potent threat to enemy forces.

The Su-25 is likely to remain in service for many years to come, and it will continue to be a valuable asset for air forces around the world.



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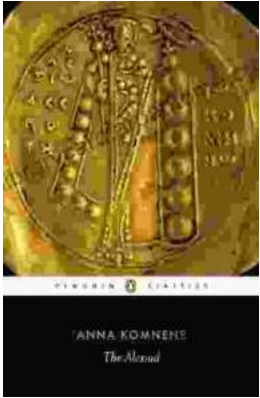
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