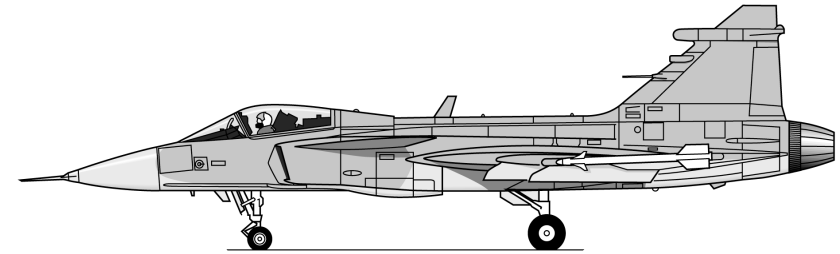


## General Description

Gripen is the first 4th generation, multi-role combat aircraft to enter service and a generation more advanced than the competition. Using the latest available technology it is capable of performing an extensive range of air-to-air and air-to-surface

operational missions and employing the latest weapons. Gripen is in service with the Swedish Air Force, and has also been ordered by the South African Air Force and the Hungarian Air Force.



## Principal features of the Gripen are:

### Single-seater

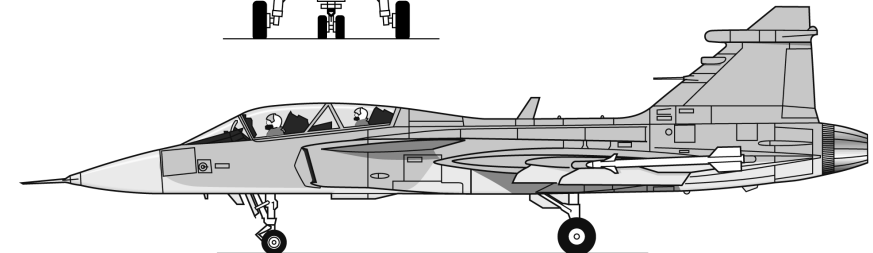
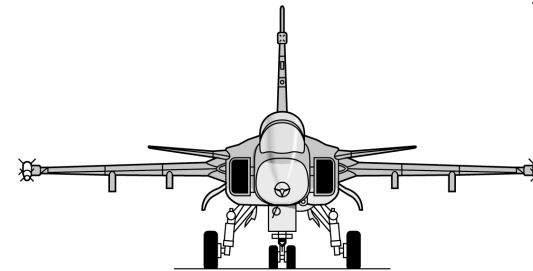
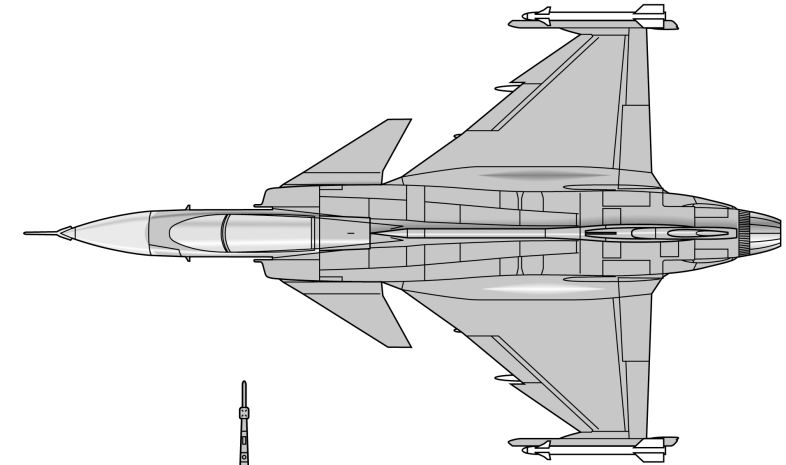
- Advanced aerodynamic layout combining a close-coupled canard delta configuration
- Lightweight structure employing advanced materials and construction techniques
- Triplex, digital, fly-by-wire Flight Control System for optimum combat agility
- Fully-integrated avionic systems operating via five MIL-STD-1553B digital databus highways
- Tactical Information Datalink System (TIDLS) and data fusion
- Advanced cockpit layout with color Multi-Function Displays (MFDs) and Hands-On-Throttle-And-Stick (HOTAS) controls
- Long range Ericsson PS-05 Advanced multi-mode, pulse-Doppler radar
- Low visual, radar and IR signatures
- High thrust to weight ratio Volvo Aero Corporation RM12 turbofan engine
- NATO interoperable
- Heavy and varied weapons load
- Low life-cycle costs
- 'On-condition' maintenance
- High operational availability
- On board Oxygen Generation System and provision for In-flight Refueling

### Two-seater

A two-seat version of Gripen, which retains the full operational capability of the single-seater, is also available for type conversion, tactical weapons training and more specialized missions.

The principal differences between the two-seat and single-seat versions of Gripen are:

- Fuselage lengthened by 0.7m to accommodate rear cockpit
- Larger cockpit canopy
- Internal gun installation deleted
- Ventral air intake for Environmental Control System
- HUD data from front cockpit repeated on rear cockpit Flight Data Display (FDD)



### Dimensions

	Single-seater	Two-seater
Wingspan (including launchers)	8.4m	8.4m
Length (excluding pitot tube)	14.1m	14.8m
Height Overall	4.5m	4.5m
Wheel Track	2.4m	2.4m
Wheel Base	5.2m	5.9m

### Weights and Performance

Max Take-Off Weight	approx 14 tonnes
Max Speed	Supersonic at all altitudes

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Photo: Anders Nylén