

Feedback from the recent conflicts such as the Balkans, Afghanistan and Iraq has confirmed that operational requirements are changing.

Users of airborne platforms have also recognized this trend and are themselves imposing appropriate demands on equipment and systems suppliers. Users no longer want a specific aircraft for each operational role. They require a multi-role/swing-role platform that is capable of undertaking all roles (airto-air, air-to-ground, maritime strike and reconnaissance).

The Gripen has been developed to meet a wide range of operational requirements which

include a variety of missions. The multi-role capability of Gripen, and its ability to change roles in the air at the press of a button, results in a unique swing-role, multi-mission flexibility.

To fulfil the various missions that Gripen could be asked to undertake the aircraft has a variety of stores integrated and freedom of choice when it comes to the nationality of the weapons supplier. The customer has the choice to match Gripen together with stores from the United States of America, Europe and other regions of the world or from the indigenous suppliers with relative ease.

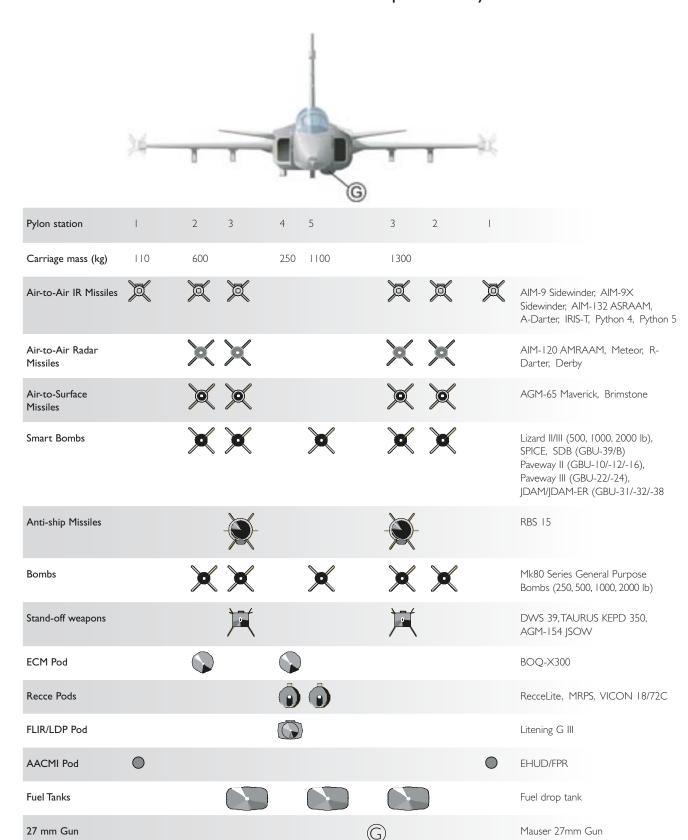
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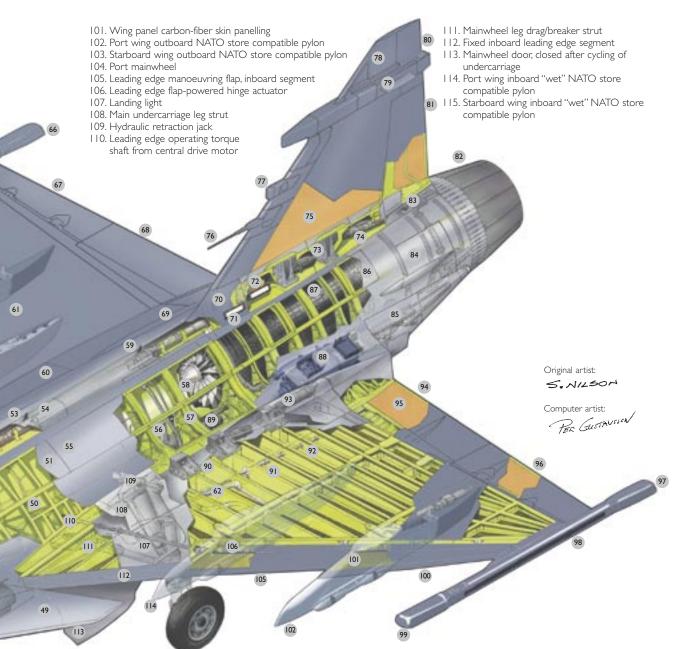


latest available information within the Public Domain and should not be

taken as establishing any commitments on the part of Gripen International.

Multi-role Capability





General Description

vice. 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 designed to meet the demands of current and future threats, while at the same time meeting strict requirements for flight safety, reli-

Principal features of the Gripen

- Netcentric Fighter: A truly Network Centric new generation multi-role fighter with the world's most highly developed secure and multi-frequency data link, providing total situational awareness for the pilot in all roles.
- Superior Sensor Fusion: A fully integrated avionic mission system operating on five 1553B digital data bus highways. This provides total sensor fusion resulting in enhanced combat capability guaranteeing precision delivery of smart
- Smart Digital Cockpit: An advanced fully digital cockpit layout with 3 large color, Multi-Functional Displays (MFD) and Hands-On-Throttle-And-Stick (HOTAS) provide the pilot with a superior combat advantage. Don't need,
- See First Kill First: A combination of low radar, IR and visual design features, along with the long range Ericsson PS05 multi-mode radar and sensor fusion, including world leading new generation weapon integration, ensures a high kill ratio in long range engagements.
- Outstanding Agility: The world's most agile fighter for close combat. A combination of advanced aerodynamic layout utilising a combined close-coupled

Swedish, Czech Republic and Hungarian Air Forces and has also been ordered by the South African Air Force. The UK Empire Test Pilots' School (ETPS) is operating Gripen as its advanced fast jet platform for test pilots worldwide.

canard – delta configuration and a triplex, digital fly-by-wire Flight Control

- High Operational Tempo: Gripen's high operational availability, rapid turnaround and minimal support requirements lead to sustained high sortie rates giving Commanders the ability to meet the most demanding operations with
- Affordability: Gripen achieves the lowest operating cost of any fighter currently in operational service. This is accomplished by combining advanced system design, high technology modern components and the highly reliable Volvo RM12 engine.
- threats and operational requirements that a modern air force faces. Many Gripen features are implemented in software. This means that growth and modification are much easier to design and implement. In most cases costly hardware changes can be avoided.

Gripen is the first of the new generation, multi-role combat aircraft to enter ser-System (FCS) leads to a winning Dog-Fight capability. • Future development: The Gripen is built to be adaptable to the changing Created by Saab info@gripen.com www.gripen.com







I. Gripen C Cockpit

4. Glass-fiber radome

Incidence vane

12. Rudder pedals

13. Windscreen

II. Formation lighting strip

17. Starboard air intake

21. Port side console panel

24. Retraction actuator

27. 27mm cannon

28. Port air intake

26. Hydraulic steering jacks

via nose wheel bay

33. Cockpit rear avionics shelf

34. Starboard canard foreplane

41. Refuelling probe hinged door

43. Port intake ducting

44. Temperature probe 45. Port navigation light 46. Cannon ammunition door 47. Circuit breaker access panel 48. Formation lighting strips

composite structure

54. Dorsal spine fairing

main frames 58. Engine compressor intake

56. Port hydraulic reservoir,

57. Wing attachment fuselage

60. Wing attachment carbon-fiber

composite cover panel

51. Aluminium alloy skin panelling

19. Cockpit rear pressure bulkhead 20. Engine throttle lever

25. Twin-wheel nose undercarriage

29. Boundary layer splitter plate

3. Vortex generating strakes

Pitot tube



GRIPEN

Dimensions

8.4m (27 ft 6 in) Wingspan Length 14.1m (46 ft 3 in) 4.5 m (14 ft 8 in) Max Take-Off Weight 14 tonnes (30,870 lbs)