



SUPER GALEB G-4M

Trainer and ground attack aircraft



Super Galeb G-4M is a new updated version of the well approved Super Galeb G-4 tandem seat low wing single engine trainer/ground attack aircraft, featuring update avionics, with increased payload capabilities and more versatile weapons, integrated nav/attack system and integration of air-to-air and air to surface missiles.

Main characteristics:

- Designed for highly efficient basic and advanced training of pilots and fulfillment of specific requirements with regard to combat training and combat tasks,
- Achieves high operational performance and maneuverability (mst. turn rate; 27°/s, sustained turn rate: 17°/s),
- A rugged structure designed to a limit loading of +8/-4.2 g to give long life under conditions of low level operation and in ground maneuvers,
- Well suited for high speeds and good maneuverability,
- Capable to operate from semi-prepared and grass runways,
- In the training role a high degree of safety provided during the critical phases of take-off and landing.

Main dimensions:

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| • Overall length including pilot tube | 12,25 m |
| • Overall height | 4.26 m |
| • Wmg span over missiles | 9.30 m |
| • Wing area | 19.50 m ² |
| • Wheel track | 3.40 m |

Weights and loadings:

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|--------------------------------|---------|
| • Empty equipped | 3490 kg |
| • Wax. internal fuel | 1376 kg |
| • Max. T.O.W. training mission | 5026 kg |
| • Max. T.O.W. combat overload | 6720 kg |

Flight-line servicing:

- PREFLIGHT: 25 minutes max.
- TURNAROUND: 20 minutes max.
- POSTFLIGHT: 30 minutes max.

Reliability:

- AIRFRAME: Up-to-date technology, load factor of +8/-4.2 g, life of 8.000 flying hours in tactical role
- LANDING GEAR: Rugged design (40.000 T - O and landings) for take off and landing on rough grass fields possibilities
- FLIGHT CONTROLS: Redundant hydraulic power to all-moving tailplane and ailerons
- PROPULSION: Well-proven reliable military rated turbojet
- HYDRAULIC SYSTEM: Two separated systems

Range:

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| • with max. internal fuel | 1800 km |
| • with max. internal and external fuel | 2900 km |
| • with gun+4xBL-755 bombes+2xSRAAM | 1200 km |

Performances (at 4971 kg AWW):

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|----------------------------|-----------------|
| • Never-exceed speed | M 0.9 |
| • Max. level speed at | H=10 km M 0.8 |
| • Max. level speed at | H=4 km 900 km/h |
| • Stalling speed | 185 km/h |
| • Max. rate of climb | 1800 m/min |
| • Service ceiling | 12500 m |
| • Take-off run to lift-off | 600 m |
| • Take-off distance to | H=15 m 950 m |
| • Landing distance from | H=15 m 1130 m |
| • Landing distance from | H=15 m |
| • with drag chute | 750 m |
| • Landing run | 860 m |

