

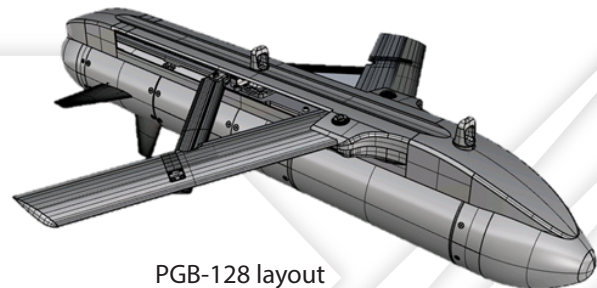
DEVELOPMENT

PGB-128

Precision Gliding Bomb

The PGB-128 (Precision Gliding Bomb) belong to Small Diameter Bomb weapon category. The PGB-128 is a less than 50 kg precision-guided glide bomb class that is intended to provide aircraft with the ability to carry a higher number of more accurate bombs. The PGB-128 is equipped with a GPS-aided inertial navigation system to attack fixed targets (GPS/INS). Optionally PGB-128 can engage moving targets (GPS/INS+SEEKER) with additional seeker (Semi active laser -SAL or imaging infrared IIR).

The 128 mm (5-inch caliber) round allows a single strike aircraft to carry more of the munitions than is possible using currently available bomb units. The PGB-128 carries (20 kg) payload section. The modular design of the weapon should allow PGB-128 to accommodate different warhead types, such as blast fragmentation, anti-armor or thermobaric. Its size and accuracy allow for an effective munition with less collateral damage.



PGB-128 layout

The PGB-128 composite airframe is intended to exploit the aerodynamic design of the advance gliding platform. This configuration combines a 5-inch caliber center-section body with tail cone equipped with all moving control surfaces. This arrangement was used to simplify carriage. The PGB-128 is designed according MIL standards to be supported with 14-inch attachment lugs. With "Diamond Back" type wings which deploy after release, PGB-128 increasing the glide time and therefore the maximum range. Maximum operational range shall be up to 25 km from release altitude of 7620 m.

