



ARTILLERIE INRICHTINGEN
ARMAMENTS BV

LUXARIS PRECISION GUIDANCE KITS
GUIDED SYSTEMS

LUXARIS

TRI-82

MULTI-MODE GUIDANCE CONVERSION KIT

Integrated INS/GPS/SAL precision guidance kit
converting compatible 500 lb-class bomb bodies into
high-precision air-to-surface weapons.

UP TO 34 KM

< 3 M CEP

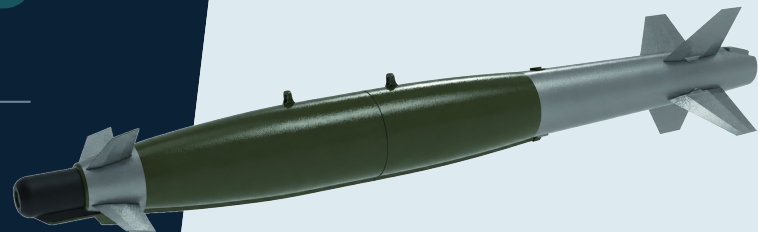
INS / GPS / SAL

DIGITAL INTEGRATION

MIL-STD-1760 compatible

DYNAMIC TARGET SET

Stationary and moving targets



LUXARIS TRI-82 | AIA-PGK-TRI82-MK1

PRECISION GUIDANCE KIT

Artillerie Inrichtingen Armaments BV presents LUXARIS TRI-82, an integrated multi-mode guidance kit designed to upgrade compatible 500 lb-class unguided bombs for precision engagement of stationary and moving targets.

The onboard control system combines inertial navigation, GPS and semi-active laser assistance, with enhanced manoeuvrability and a selectable impact angle.

34 km

FIGHTER RELEASE RANGE

15 km

UAV RELEASE RANGE

±16°

SEEKER FIELD OF VIEW

● Artillerie Inrichtingen Armaments BV - Licensed manufacturing programme in the Netherlands



MISSION CAPABILITY & SPECIFICATION

LUXARIS TRI-82 | INS / GPS / SAL MULTI-MODE PRECISION GUIDANCE KIT

KEY CAPABILITIES

- Integrated INS/GPS/SAL navigation
- High-precision engagement of stationary and moving targets
- Enhanced performance against high-speed moving targets with laser designation
- Day and night operation
- Engagement of targets of opportunity
- Reactive retargeting during captive flight
- Selectable impact angle before release
- MIL-STD-1760 aircraft interface compatibility
- Cost-effective upgrade for existing bomb inventories

TECHNICAL DATA

GUIDANCE / ARCHITECTURE

INS and GPS navigation; SAL seeker assistance; onboard control system; enhanced control fins

FIGHTER

34 km

UAV

15 km

CEP

< 3 m

INTERFACE / COMPATIBILITY

MIL-STD-1760 aircraft interface; compatible 500 lb-class bomb body

PHYSICAL

274 kg including bomb; length 2,615 mm; maximum diameter 594 mm

MISSION PROFILE

INS/GPS navigation with semi-active laser assistance for precision terminal engagement.

AIR-LAUNCHED

INS / GPS NAV.

SAL ASSISTED

MOVING TARGETS

DAY / NIGHT

MIL-STD-1760

SELECTABLE IMPACT

RETARGETING

KIT ARCHITECTURE & INTEGRATION

LUXARIS TRI-82 converts a compatible 500 lb-class unguided bomb through an integrated control and guidance assembly. INS/GPS navigation supports autonomous midcourse guidance, while SAL assistance enables precision terminal correction and moving-target engagement when laser designation is available. Integration uses a MIL-STD-1760 aircraft interface and remains subject to carriage, release-clearance and platform qualification.



500 LB-CLASS MULTI-MODE CONFIGURATION



MULTI-MODE GUIDANCE PROFILE

Maximum range: 34 km (fighter) and 15 km (UAV). Accuracy: CEP below 3 m.

Specifications subject to change. Published tolerances: $\pm 10\%$.