HALCON

THUNDER P31 / 32

FAR REACH.
ASSURED STRIKE.

AIR LAUNCHED GUIDANCE KITS FOR MK-81 & MK-82

The THUNDER P31 / 32 family is a portfolio of precision-strike guided glide weapons that deliver a long-range, high-accuracy air-to-surface strike capability using general-purpose MK-81 and MK-82 bombs. They are a cost-effective solution for close air support, interdiction, and deep-strike missions in contested environments.

The P31 and P32 offer stand-off release capability, all-weather accuracy, and modular fusing options for tailored mission effects. The GAINS module ensures precise mid-course navigation, while the SAL seeker provides pinpoint terminal guidance against static or moving targets.

P31-L and P32-L kits work in Fit 'n Fly (No electrical interface with the platform) mode.



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SPECIFICATIONS

KEY FEATURES

- Static and moving target engagement (SAL versions)
- All-weather, day/night operation
- > 20 km stand-off release capability
- STANAG-3733-compliant SAL seeker
- MIL-STD-1760E digital interface
- Configurable fuse options (proximity/contact/ penetration)
- Suitable for:
  - Mirage 2000
  - F-16
  - Rafale
  - UAVs
  - Light strike platforms such as A-29, B-250

TECHNICAL DATA

	P31-GAINS	P31-SAL &P31-L	P32-GAINS	P32-SAL & P32-L
Length, m	~2.0 m		~2.5 m	
Diameter, mm	230 mm		280 mm	
Max. Range, km	+20 km			
Max. Launch Altitude, ft	42,000 ft			
Min. Launch Altitude, ft	12,000 ft			
Navigation	GAINS	GAINS + SAL SAL (P31-L)	GAINS	GAINS + SAL SAL (P32-L)
Accuracy, CEP, m	10 m	3 m	10 m	3 m
Seeker Type	-	SAL STANAG 3733 compliant	-	SAL STANAG 3733 compliant
Target Type	Stationary, Moving (SAL versions) Main Battle Tanks, IFVs, Personnel, Soft-skinned Vehicles, Buildings, POL installations, Parked aircraft Electrical Infrastructure; Suitable for Effects Based Operations			
Deployment Platforms	High-energy carriers (Mirage 2000, F-16, Rafale) Low-energy carriers (A-29, B-250, various UAVs)			
Launcher Interface	MIL-STD-1760 E			