

I-Derby ER™

Short, Medium and Long Range Air-to-Air & Surface-to-Air Missile



Provides your pilots with revolutionary multi-range capabilities

Operational Benefits

- 100 km launching range
- Multi-range air-to-air missile (Short/Medium/Long Range)
- Look-down/Shoot-down capability
- All-weather operation
- LOBL/LOAL modes of operation
- Robust, high performance ECCM
- Effective against aircraft, helicopters and UAVs.
- Simplified integration
- Dual use: Air-to-Air & Air Defense

Short, Medium & Long Range BVR Missile for Air-to-Air Missions

The I-Derby ER is an innovative active radar air-to-air missile providing fighter aircraft with outstanding and effective performance in short range up to long Beyond Visual Range (BVR) intercepts.

The missile incorporates a state-of-the-art, Rafael-made RF seeker, based on solid-state technology.

The new seeker is a “Software-Defined”, enabling full flexibility by controlling every single functional parameter by software.

I-Derby ER capability improvements include increased range (100 km) utilizing a data link (missile uplink based on Rafael Global Link or other customer supplied system).

I-Derby ER has look-down/shoot-down capability, sophisticated LOBL as well as LOAL modes of operation.

The missile’s advanced Electronic Counter Counter Measures (ECCM) is designed to meet the challenges of air combat in hostile environments and can be tailored to the customer’s operational requirements.

The missile enables operational flexibility and multi-shot capability. It can be launched at an enemy aircraft day or night and in all-weather conditions.

I-Derby ER is designed for simplified integration on leading fighters, to include: F-16, F-15, Sukhoi-30, JAS-39 Gripen, Mirage-2000, LCA, and F/A-50.

Together, the I-Derby ER Active Radar and Python-5 full sphere air-to-air missiles offer superior war-fighting capability that ensures outstanding air superiority for the 21st century



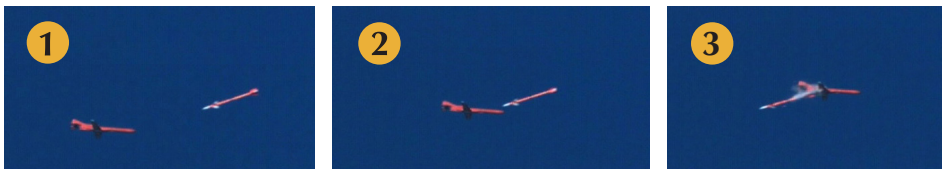
Features

- Modern, state-of-the-art active radar seeker
- Data link receiver utilizing Rafael Global Link or customer's data link
- Outstanding kinematic capability
- High flexibility for handling new emerging threats (e.g: new target types, new EW threats)

Innovative Interceptor for Air Defense Missions

I-Derby ER can be used as an interceptor in the Spyder Short and Medium Range Air Defense Systems fitting an existing Spyder-SR canister. Both Spyder systems are designed to engage and destroy a wide spectrum of threats, such as fighter aircraft, helicopters, cruise missiles, UAVs and stand-off weapons.

Spyder is a combat proven system and is operationally deployed in several countries.



Spyder-SR Air Defense System



I-Derby ER Missile

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