



I-Derby™

Short- to Medium-Range BVR Air-to-Air & Surface-to-Air Missile

Short-Range BVR Missile for Air-to-Air Missions

The I-Derby™ is an active radar air-to-air missile that provides fighter aircraft with outstanding and effective performance in both short-range and Beyond Visual Range (BVR) interceptions.

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.

The I-Derby missile incorporates RAFAEL'S state-of-the-art seeker that enables excellent performance.

I-Derby has look-down/shoot-down capability, a sophisticated fire-and-forget mode, and an advanced ECCM tailored to the customer's operational requirements.

I-Derby's light weight enables its adaptation to various modern fighter aircraft, including light aircraft such as the F-5, Mirage, and F-16.

Together, the I-Derby Active Radar and Python-5™ Imaging Infra-Red air-to-air missiles offer exceptional warfighting capability that ensures outstanding air superiority for the 21st century.

Benefits

- All-weather operation
- Effective performance in both short-range and Beyond Visual Range (BVR) interceptions
- Operational flexibility
- Lightweight
- High agility
- Full commonality (air-to-air and surface-to-air)
- Effective against a wide range of targets: fighter aircraft, helicopters, cruise missiles, UAVs and stand-off weapons



Innovative Interceptor for Air Defense Missions

I-Derby™, in combination with the Python-5 full-sphere missile, is used as an interceptor in the Spyder™ Short and Medium Range Air Defense Systems. 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.

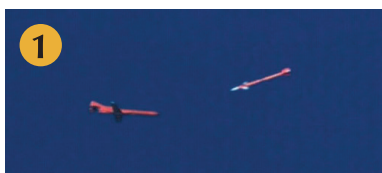


Features

- RAFAEL's state-of-the-art active radar seeker
- Look-down/Shoot-down capability
- LOBL / LOAL capability
- Data link receiver
- Large kinematic envelope
- Dual range (short and medium)

Technical Specifications

Weight	260.1 lb	118 kg
Length	142.5 in	362 cm
Wingspan	25.2 in	64 cm
Diameter	6 in	16 cm



I-Derby Missile



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