

Minotaur I

Space Launch Vehicle



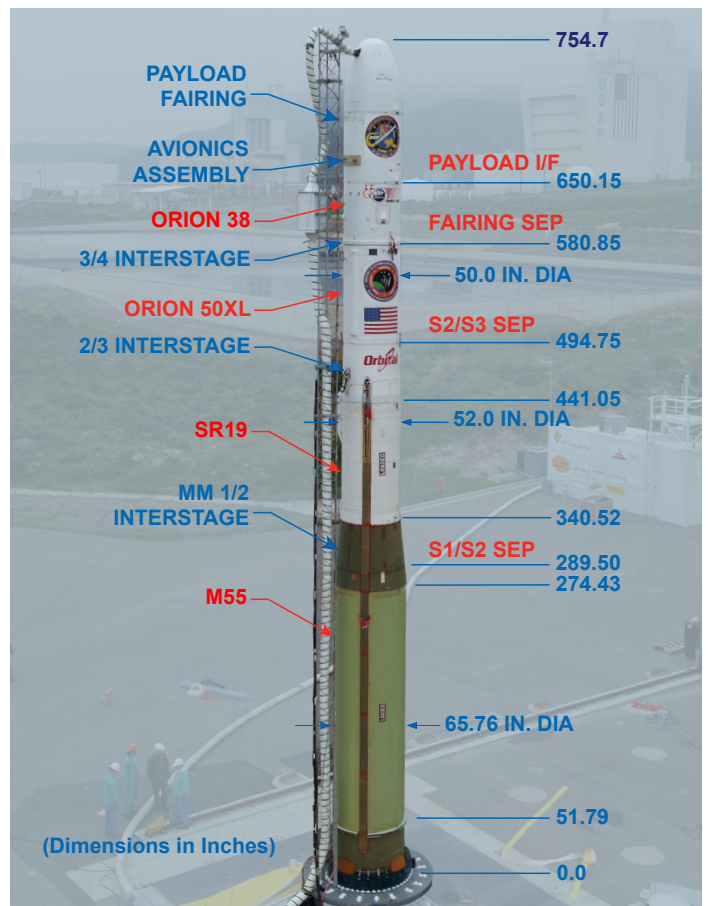
Success on First Five Missions

The Minotaur I Space Launch Vehicle

The Minotaur I Space Launch Vehicle (SLV) provides a responsive, reliable, and cost-effective launch solution for U.S. Government sponsored spacecraft. In addition to a demonstrated successful history over its initial and subsequent launches, it builds on a long background of dependable launch systems. The Minotaur I uses residual Minuteman II first and second stages in combination with the upper two stages shared with Orbital's Pegasus XL and Taurus XL commercial SLVs. The Minotaur family of launch vehicles is provided via the Orbital/Suborbital Program 2 (OSP-2) of the U.S. Air Force Space and Missile Systems Center (SMC) Rocket System Launch Program (RSLP).

Features:

- Inertially guided four stage solid rocket propulsion
- Flight-proven systems with demonstrated success record
- Multiple spaceport launch capability (California, Florida, Alaska, Virginia) using portable ground support equipment
- Full payload integration support including mission management, spacecraft interface support (power, telemetry, sequencing, attitude control, and deployment), and launch operations
- Standard 18 month mission response including payload integration and launch by Orbital's experienced launch crews
- Responsive launch solutions from 6 months to 48 hours available

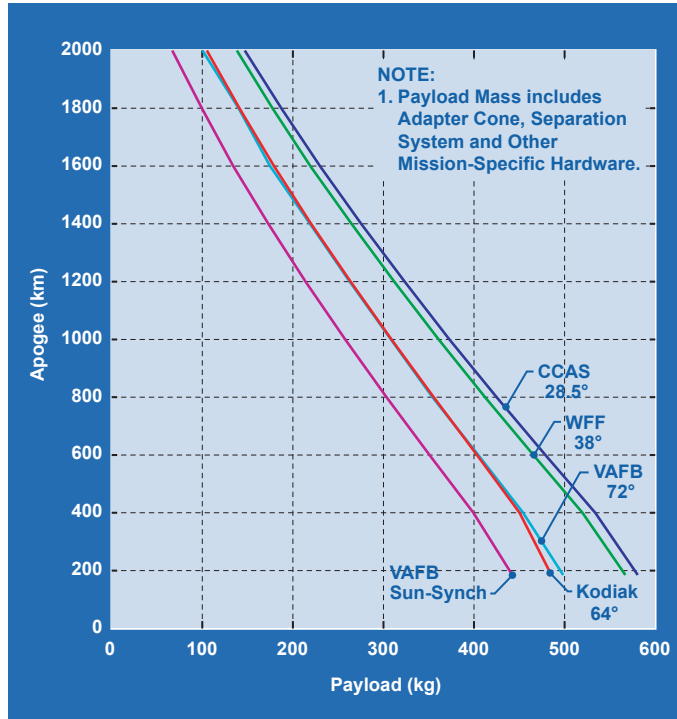


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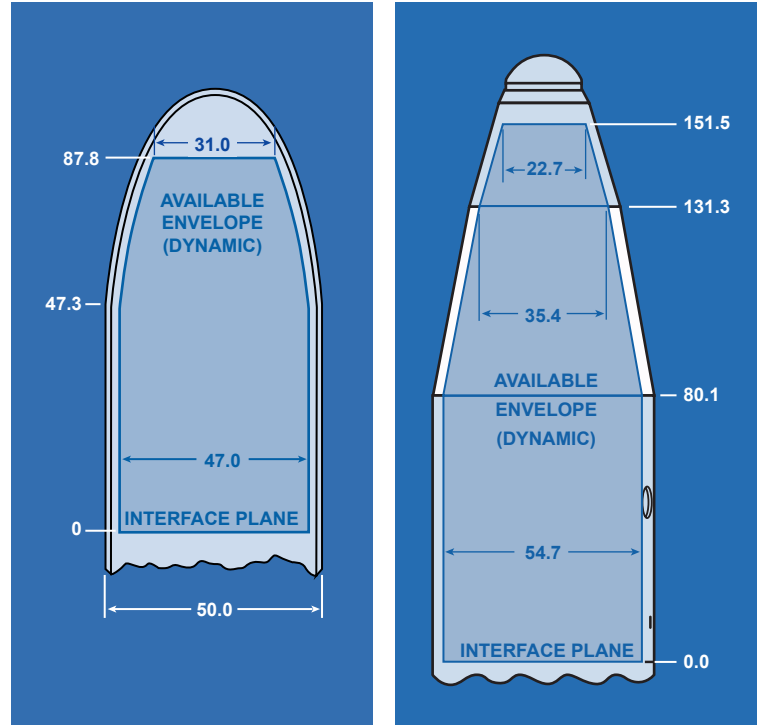
Minotaur I Specifications

Performance:

- Flight-verified system performance
- Proven secondary payload capability
- Adaptable to a variety of payloads and orbital requirements with typical accuracy of 33.4 nm (3s), 0 ± 0.1 deg inclination (3s)
- Optional Soft Ride for Small Satellites (SRSS) to mitigate flight dynamics environments
- Available optional enhancements include:
 - Insertion accuracy of <10 nm (3s) inclinations <0.05 deg (3s)
 - Conditioned air (Class 10K), temperature and humidity control and nitrogen purge
 - Additional payload access panels



Minotaur I Payload Capability

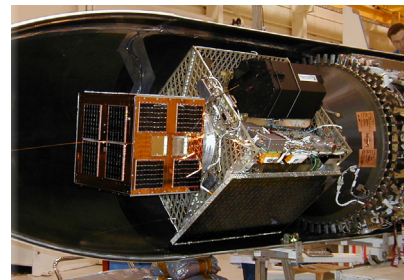


Standard 50" Fairing

Optional 61" Fairing

Payload Accommodations:

- Standard 50 in. Pegasus-design payload fairing
- Optional 61 in. fairing for larger or multiple payload missions
- Thermally controlled fairing volume with Class 100K standard cleanliness
- Well defined launch environments
- Variety of proven payload separation systems available



Simplified Horizontal Payload Integration

Point of Contact:

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