The Minotaur-C launch vehicle provides a cost-effective and reliable launch capability for satellites weighing up to 3,500 pounds (1,590 kilograms). Minotaur-C is currently in production to support commercial, international, and select U.S. Government customers. The versatility and flexibility of the Minotaur-C family of vehicles provides the means to access space for a variety of payloads.

**System Features**

- Incorporates all solid propulsion stages, built commercially by Northrop Grumman using proven technologies to meet mission requirements.
- Leverages the best of Taurus®, Pegasus®, and Minotaur vehicles including Northrop Grumman MACH avionics.
- Provides substantial payload performance into a variety of low inclination low-Earth orbit (LEO), polar LEO, sun-synchronous LEO, geotransfer and interplanetary orbits.
- Designed for easy transportability, rapid set-up and launch from austere launch sites.
- Streamlined vehicle/payload integration and testing through simplified avionics interfaces and offline payload encapsulation.
- Compatible with the U.S. Air Force Western Range (WR), Eastern Range (ER), NASA’s Wallops Flight Facility, Pacific Spaceport Complex - Alaska (PSCA) and Reagan Test Site (RTS).
- Flight-proven heritage with single and multiple payloads.

**Facts At A Glance**

The Minotaur-C incorporates advanced structural technology on Pegasus, Minotaur, Taurus and other operational launch systems.

The Minotaur-C launch vehicle is a variant of Northrop Grumman’s highly successful Pegasus and Minotaur space launch vehicles.
Minotaur-C Vehicle Configurations
All major Minotaur-C configurations (SSLV, Standard and XL) have launched.

Vehicle Statistics
Weight: 77,000 kg (170,000 lb)
Height: 30 to 32 m (97 to 104 ft)

Minotaur-C Configuration Numbering

<table>
<thead>
<tr>
<th>Vehicle Configuration</th>
<th>Fairing Size</th>
<th>Stage 3 Motor</th>
<th>Stage 4 Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - SSLV Minotaur-C</td>
<td>1 - 63&quot;</td>
<td>1 - Orion-38</td>
<td>0 - &lt;None&gt;</td>
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<tr>
<td>(Peacekeeper Stage 0, Std Stages 1, 2)</td>
<td>2 - 92&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 - Standard Minotaur-C</td>
<td>1 - 63&quot;</td>
<td>1 - STAR-37</td>
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<tr>
<td>(Castor 120 Stage 0, Std Stages 1, 2)</td>
<td>2 - 92&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 - Minotaur-C XL</td>
<td>1 - 63&quot;</td>
<td>1 - STAR-37</td>
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<tr>
<td>(Castor 120 Stage 0, XL Stages 1, 2)</td>
<td>2 - 92&quot;</td>
<td></td>
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</tbody>
</table>

Typical Performance
<table>
<thead>
<tr>
<th>Weight (kg)</th>
<th>3110 Minotaur-C XL</th>
<th>3210 Minotaur-C XL</th>
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<tbody>
<tr>
<td>1,458</td>
<td>1,278</td>
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<tr>
<td>1,054</td>
<td>912</td>
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</tr>
</tbody>
</table>

Flexible Payload Fairing Options
Two flight-proven fairings and two dual payload attach fittings are offered to provide cost-effective access to space for single and multiple payloads.

Standard Payload Accommodations
Temperature, humidity control
Class 8 (100,000) cleanliness

Enhanced Accommodations
Class 7 (10,000) cleanliness
Nitrogen purge

More Information
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