Northrop Grumman offers high-quality ammunition and ammunition links for government and commercial customers. Northrop Grumman maintains the critical skills, personnel, processes, and technical manufacturing capabilities essential to successfully deliver small-caliber ammunition from development to production.

7.62 x 51mm Applications
Northrop Grumman’s 7.62 x 51mm cartridges can be used across all weapons with standard NATO chambers to include the M60, M134 and M240 machine guns, as well as compatible rifles like the G-3, LAR, L7A2 and M14.

Description
The M80 has a 149-grain projectile with no tip identification and is used against personnel and unarmored targets. The M80 Ball Flash Suppressed has a reduced flash signature over standard M80 Ball.

Physical Data
- CARTRIDGE LENGTH: 2.80 in / 71.12 mm
- CARTRIDGE WEIGHT: 392 grains / 25.40 grams
- BULLET: 149 grains / 9.66 grams FMJ (gilding metal clad steel) with boat tail and lead core
- BULLET EXTRACTION: Minimum of 60 lb (27 Kg)
- HEADSTAMP: LC manufacturer symbol and the year of manufacture
- CARTRIDGE CASE MATERIAL: Brass (Copper Alloy No. 260)
- PRIMER TYPE: No. 34, Boxer Style

Performance Data
- MANUFACTURE SPECIFICATIONS
- MUZZLE VELOCITY
  - 2,750 ft/s ± 30 ft/s (78 ft from muzzle) @ 70 ± 2° F / 638 m/s ± 9 m/s (24 m from muzzle) @ 21± 2° C
- CHAMBER PRESSURE
  - Average maximum: 57,000 psi @ 70° F (393 Mpa @ 21° C)
- ACCURACY
  - Carton or Clip Pack: 5.0 in @ 600 yds (12.7 cm @ 549 m)
  - Link Pack: 7.5 in @ 800 yds (19.05 cm @ 549 m)
- OPERATING RANGE
  - -65° F to 125° F (-54° C to 52° C)
- NOTE
  - For use in standard 7.62 x 51 mm chambers only
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7.62 x 51mm Applications
Northrop Grumman's 7.62 x 51mm cartridges can be used across all weapons with standard NATO chambers to include the M60, M134 and M240 machine guns, as well as compatible rifles like the G-3, LAR, L7A2 and M14.

Description
The M62 has a 146-grain projectile with orange tip identification. This cartridge has a pyrotechnic charge which permits observation of the round's trajectory from 100 yds to 850 yds. The M62 is effective against soft targets and is frequently linked for use in automatic weapons.

Physical Data
- **CARTRIDGE LENGTH**: 2.80 in / 71.12 mm
- **CARTRIDGE WEIGHT**: 383 grains / 24.82 grams
- **BULLET**: 146 grains / 9.46 grams FMJ (copper) boat tail with lead core and tracer composition
- **BULLET EXTRACTION**: Minimum of 60 lb (27 Kg)
- **HEADSTAMP**: LC manufacturer symbol and the year of manufacture
- **CARTRIDGE CASE MATERIAL**: Brass (Copper Alloy No. 260)
- **PRIMER TYPE**: No. 34, Boxer Style
- **TIP IDENTIFICATION**: Orange

Performance Data
- **MUZZLE VELOCITY**: 2,670 ft/s ± 30 ft/s (78 ft from muzzle) @ 70 ± 2° F / 814 m/s ± 9 m/s (24 m from muzzle) @ 21 ± 2° C
- **CHAMBER PRESSURE**: Average maximum: 57,000 psi @ 70° F (393 Mpa @ 21° C)
- **ACCURACY**: 15 in @ 600 yds (38.1 cm @ 549 m)
- **OPERATING RANGE**: -65° F to 125° F (-54° C to 52° C)
- **TRACE PERFORMANCE**: Visible trace 100 yds to 850 yds (91 m to 777 m)
- **NOTE**: For use in standard 7.62 x 51 mm chambers only
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7.62 x 51mm Applications
Northrop Grumman’s 7.62 x 51mm cartridges can be used across all weapons with standard NATO chambers to include the M60, M134 and M240 machine guns, as well as compatible rifles like the G-3, LAR, L7A2 and M14.

Description
The M276 has a 148.5-grain projectile with lavender tip identification. This cartridge has a pyrotechnic charge which permits observation of the round’s trajectory to approximately 850 yds. This cartridge reduces the possibility of locating the weapon when paired with night vision devices.

Physical Data
- CARTRIDGE LENGTH: 2.80 in / 71.12 mm
- CARTRIDGE WEIGHT: 381 grains / 24.69 grams
- BULLET: 148.5 grains / 9.62 grams FMJ (copper) with boat tail and lead core and dim tracer composition
- BULLET EXTRACTION: Minimum of 60 lb (27 Kg)
- HEADSTAMP: LC manufacturer symbol and the year of manufacture
- CARTRIDGE CASE MATERIAL: Brass (Copper Alloy No. 260)
- PRIMER TYPE: No. 34, Boxer Style
- TIP IDENTIFICATION: Lavender

Performance Data
- MUZZLE VELOCITY: 2,670 ft/s ± 30 ft/s (78 ft from muzzle) @ 70 ± 2° F / 814 m/s ± 9 m/s (24 m from muzzle) @ 21 ± 2° C
- CHAMBER PRESSURE: Average maximum: 57,000 psi @ 70° F (393 Mpa @ 21° C)
- ACCURACY: 15 in @ 600 yds (38.1 cm @ 549 m)
- OPERATING RANGE: -65° F to 125° F (-54° C to 52° C)
- TRACE PERFORMANCE: Visible trace out to 850 yds (777 m) viewed with night vision device
- NOTE: For use in standard 7.62 x 51 mm chambers only
Northrop Grumman offers high-quality ammunition and ammunition links for government and commercial customers. Northrop Grumman maintains the critical skills, personnel, processes, and technical manufacturing capabilities essential to successfully deliver small-caliber ammunition from development to production.

**7.62 x 51mm Applications**

Northrop Grumman's 7.62 x 51mm cartridges can be used across all weapons with standard NATO chambers to include the M60, M134 and M240 machine guns, as well as compatible rifles like the G-3, LAR, L7A2 and M14.

**Description**

The M118 has a 175-grain open-tip match projectile with no tip identification. This cartridge is designed for use in competition shooting sports and for designated marksman and sniper roles.

**Physical Data**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>CARTRIDGE LENGTH</td>
<td>2.83 in / 71.88 mm</td>
</tr>
<tr>
<td>CARTRIDGE WEIGHT</td>
<td>390 grains / 25.27 grams</td>
</tr>
<tr>
<td>BULLET</td>
<td>175 grains / 11.34 grams reverse drawn copper jacket with boat tail and lead core</td>
</tr>
<tr>
<td>BULLET EXTRACTION</td>
<td>Minimum of 20 lb (9 kg)</td>
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<tr>
<td>HEADSTAMP</td>
<td>LC manufacturer symbol, year of manufacture and marked with LR</td>
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<tr>
<td>CARTRIDGE CASE MATERIAL</td>
<td>Brass (Copper Alloy No. 260)</td>
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<tr>
<td>PRIMER TYPE</td>
<td>No. 34, Boxer Style</td>
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**Performance Data**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>MUZZLE VELOCITY</td>
<td>2,575 ft/s ± 30 ft/s (78 ft from muzzle) @ 70 ± 2° F / 785 ± 9 m/s (24 m from muzzle) @ 21 ± 2° C</td>
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<tr>
<td>CHAMBER PRESSURE</td>
<td>Average maximum: 60,000 psi @ 70° F (414 Mpa @ 21° C)</td>
</tr>
<tr>
<td>ACCURACY</td>
<td>Extreme horizontal spread: 10.3 in @ 1,000 yds (26.2 cm @ 914 m) Extreme vertical spread: 14 in @ 1,000 yds (35.6 cm @ 914 m)</td>
</tr>
<tr>
<td>OPERATING RANGE</td>
<td>-65° F to 125° F (-54° C to 52° C)</td>
</tr>
<tr>
<td>NOTE</td>
<td>For use in standard 7.62 x 51 mm chambers only</td>
</tr>
</tbody>
</table>
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### 7.62 x 51mm Applications
Northrop Grumman’s 7.62 x 51mm cartridges can be used across all weapons with standard NATO chambers to include the M60, M134 and M240 machine guns, as well as compatible rifles like the G-3, LAR, L7A2 and M14.

### Description
The M82 has purple lacquer on the rosette crimp. This cartridge is used to simulate firing in training exercises and it also is used for saluting when equipped with blank-firing attachments. The cartridge works with the M240, M240B and the M14 with Blank Firing Attachment.

### Physical Data
- **CARTRIDGE LENGTH**: 2.595 in / 65.913 mm
- **CARTRIDGE WEIGHT**: 234.5 grains / 15.2 grams
- **TIP IDENTIFICATION**: Purple lacquer on rosette crimp
- **HEADSTAMP**: LC manufacturer symbol and the year of manufacture
- **CARTRIDGE CASE MATERIAL**: Brass (Copper Alloy No. 260)
- **PRIMER TYPE**: No. 34, Boxer Style

### Performance Data
- **MANUFACTURE SPECIFICATIONS**
  - U.S. Military: • MIL-DTL-46933 • MIL-STD-636 • MIL-STD-1916 • Drawing: 8597283
- **OPERATING RANGE**: -25° F to 125° F (-32° C to 52° C)

### NOTE
Blank cartridges depend on the weapon system and Blank Firing Adapter (BFA) to create the correct pressure to operate the weapon. M200 cartridge testing can be performed with the following weapon/BFA combinations: •M240 Weapon/M21 BFA • M240B Weapon/M24 BFA • M14 Weapon/M12 BFA
The use of any other weapon/BFA combination is not recommended and can result in extreme overpressure or insufficient pressure to operate the weapon.
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**Caliber .30 Applications**
Northrop Grumman’s caliber .30 cartridges can be used in military / LE services and funerals.

**Description**
The M1909 has purple lacquer on the rosette crimp. This cartridge is used to simulate firing in training exercises and it also is used for saluting when equipped with blank-firing attachments. The cartridge works with the Springfield M1903 and M1 Garand rifle with Blank Firing Attachment.

**Physical Data**
- **CARTRIDGE LENGTH**: 2.48 in / 62.99 mm
- **CARTRIDGE WEIGHT**: 218 grains / 14.13 grams
- **TIP IDENTIFICATION**: Purple lacquer on rosette crimp
- **HEADSTAMP**: LC manufacturer symbol and the year of manufacture
- **CARTRIDGE CASE MATERIAL**: Brass (Copper Alloy No. 260)
- **PRIMER TYPE**: No. 34, Boxer Style

**Performance Data**
- **MANUFACTURE SPECIFICATIONS**: U.S. Military: • MIL-DTL-1312 • MIL-STD-636 • MIL-STD-1916 • Drawing: 6006152
- **OPERATING RANGE**: -25°F to 125°F (-32°C to 52°C)

**NOTE**
Blank cartridges depend on the weapon system and Blank Firing Adapter (BFA) to create the correct pressure to operate the weapon. M1909 cartridge testing can be performed with the following weapon/BFA combinations: • M1 Garand rifle with Blank Firing Attachment
The use of any other weapon/BFA combination is not recommended and can result in extreme overpressure or insufficient pressure to operate the weapon.