SHOTHELL SCIENCE
RESOURCES TO CHOOSE THE RIGHT LOAD

Breaking clay targets, wingshooting gamebirds, launching slugs at big game, protecting your home—there’s almost no limit to what a shotgun paired with the right ammunition can do. But to maximize the platform’s potential, you need to choose the load that best fits the application. Use the resources here to make the right call no matter what your pursuit might be.

COLOR CODING
To increase safety among shooters, Federal was the first manufacturer to use color-coding for shotshells. This safety measure became an industry norm after it was introduced in 1960.
Federal Premium® offers a variety of reliable buckshot loads, including those built around .410 handguns, to protect you and your family. Their specialized payloads produce patterns and penetration optimized to meet the unique needs of personal defense situations.

**THE THREAT SCATTERS NOT THE PELLETS**

Target and gelatin shot with 12-gauge 2¾-inch 4 Buck, 34 pellets (PD156 4B) with improved cylinder choke at 5 yards. The load’s unique wad configuration is designed to produce a 5-inch pattern at 15 feet—the ideal for in-home defense.

**HANDLES LIKE A PISTOL, PROTECTS LIKE A SHOTGUN**

Premium Personal Defense .410 Handgun loads maximize the potential of the firearm platform, providing the ideal patterns for close-range as well as deep penetration. Target and gelatin shot with 2½-inch, 00 Buck .410 Handgun (PD412JGE 000) from a Taurus Judge at 5 yards.

**PAYLOADS THAT PROTECT**

Federal Premium® offers a variety of reliable buckshot loads, including those built around .410 handguns, to protect you and your family. Their specialized payloads produce patterns and penetration optimized to meet the unique needs of personal defense situations.
TROPHY COPPER SABOT SLUG

DROP 200 POUNDS AT 200 YARDS

The Trophy Copper Sabot incorporates the industry’s most advanced slug technology to deliver groups as small as 3½ inches at 200 yards. In addition to this accuracy, hunters get less drop, more manageable recoil, and consistent penetration and expansion at any range.

TECHNOLOGIES
Specially Formulated Propellant
Trophy Copper Slug
Two-Part Sabot
Pusher-Plate Base

Polymer tip and sleek profile increase the ballistic coefficient for higher downrange velocity and energy

Unique two-part sabot supports the slug base for clean, consistent separation

Deep, externally skived slug cavity for consistent, superior expansion across a broad velocity range

The wad’s pusher plate keeps the slug perfectly centered down the barrel

The Trophy Copper Sabot’s exclusive design results in reliable, deadly expansion across a broad velocity range.

Ever shoot a big bull elk with a slug gun?
I did this last elk season in western Wyoming. Savage 212 with 3” 300 grain. 106 yards. He was quartered away so the entry was behind the rib, right in the boiler room. He went 10 yards and took a dive. I’m shooting 2” 4-shot groups at 100 yards."

RATINGS & REVIEWS
We make it easy to review ammunition online and check out the ratings of others. Go to federalpremium.com.

200-YARD PERFORMANCE

The Trophy Copper slug’s exclusive design results in reliable, deadly expansion across a broad velocity range.

THIS IS WHAT CONSISTENCY LOOKS LIKE

By incorporating a deep, externally skived cavity in the nose, we ensure the Trophy Copper Slug opens consistently—whether it hits the target at 20 yards or 200-plus. Gelatin shot at 100 yards.

250-YARD PERFORMANCE

The Trophy Copper slug’s exclusive design results in reliable, deadly expansion across a broad velocity range.

Ever shoot a big bull elk with a slug gun?
I did this last elk season in western Wyoming. Savage 212 with 3” 300 grain. 106 yards. He was quartered away so the entry was behind the rib, right in the boiler room. He went 10 yards and took a dive. I’m shooting 2” 4-shot groups at 100 yards."

RATINGS & REVIEWS
We make it easy to review ammunition online and check out the ratings of others. Go to federalpremium.com.

200-YARD PERFORMANCE

The Trophy Copper slug’s exclusive design results in reliable, deadly expansion across a broad velocity range.

THEY ENVISIONED...

By combining a two-part sabot with a sleek polymer-tip projectile, the Trophy Copper Slug achieves rifle-like groups at 100 yards.

RATINGS & REVIEWS
We make it easy to review ammunition online and check out the ratings of others. Go to federalpremium.com.

200-YARD PERFORMANCE

The Trophy Copper slug’s exclusive design results in reliable, deadly expansion across a broad velocity range.

Ever shoot a big bull elk with a slug gun?
I did this last elk season in western Wyoming. Savage 212 with 3” 300 grain. 106 yards. He was quartered away so the entry was behind the rib, right in the boiler room. He went 10 yards and took a dive. I’m shooting 2” 4-shot groups at 100 yards."

RATINGS & REVIEWS
We make it easy to review ammunition online and check out the ratings of others. Go to federalpremium.com.

200-YARD PERFORMANCE

The Trophy Copper slug’s exclusive design results in reliable, deadly expansion across a broad velocity range.

THEY ENVISIONED...

By combining a two-part sabot with a sleek polymer-tip projectile, the Trophy Copper Slug achieves rifle-like groups at 100 yards.

RATINGS & REVIEWS
We make it easy to review ammunition online and check out the ratings of others. Go to federalpremium.com.

200-YARD PERFORMANCE

The Trophy Copper slug’s exclusive design results in reliable, deadly expansion across a broad velocity range.
**TRUBALL® RIFLED SLUG**

**MAKE YOUR BIRD BARREL A TACK-DRIVER**

Smoothbore slugs aren’t supposed to deliver accuracy like this. But the TruBall system centers the projectile as it travels down the barrel for groups as tight as 1.4 inches at 50 yards. The Deep Penetrator version’s high-antimony lead provides extra penetration needed for tough hogs and bears.

**SMOOTHBORE SALVATION**

Forget everything you think you know about smoothbore slug gun accuracy. The TruBall prints groups at 50 and even 100 yards that would rival some rifles. Targets shot with PB127 RS at 50 and 100 yards.

**DEEP THOUGHTS**

High-antimony lead makes the TruBall Deep Penetrator Slug significantly harder, giving it superior penetration on tough game. Gelatin shot with PB127 DPRS at 100 yards; the slug penetrated more than 24 inches, passing completely through the block.

**TECHNOLOGIES**

Specially Formulated Propellant
TruBall Launch Design
Deep Penetrator Slug*

* Specific loads only

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>OUNCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB127 DPRS</td>
<td>12</td>
<td>2¾</td>
<td>1350</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>OUNCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB127 LRS*</td>
<td>12</td>
<td>2¾</td>
<td>1300</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>OUNCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB127 RS</td>
<td>12</td>
<td>2¾</td>
<td>1600</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>OUNCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB131 RS</td>
<td>12</td>
<td>3</td>
<td>1700</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>OUNCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB203 RS</td>
<td>20</td>
<td>2¾</td>
<td>1600</td>
<td>¾</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>OUNCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB209 RS</td>
<td>20</td>
<td>3</td>
<td>1700</td>
<td>¾</td>
</tr>
</tbody>
</table>

**VITAL•SHOK TRUBALL RIFLED SLUG**

**HUNTERS FOR CONSERVATION®**

Learn how Federal® supports responsible stewardship of our land, waters and wildlife through the Hunters For Conservation program. Go to federalpremium.com or follow @Hunters4Conservation on Twitter.

Great Results!

I have used TruBall slugs in my smoothbore for the past 8 years. When sighting in the gun the slugs have produced great groups at 50 yards requiring minimal adjustment before moving out to 100 yards. 8 for 8 on harvesting a deer and none of them went more than 60 yards after being hit.

Yes, I recommend this product.

**RATINGS & REVIEWS**

We make it easy to review ammunition online and check out the ratings of others. Go to federalpremium.com.
VITAL•SHOK® BUCKSHOT

SCATTERGUN PATTERNS ARE FOR THE BIRDS

Buckshot often gets dismissed as the stuff of simple scatterguns, but at Federal®, we engineer these shotshells to provide the same superior performance as all of our other loads. Technologies like the FLITECONTROL® wad allow these loads to produce precise, deadly patterns.

HEAVY METAL

Our precision-crafted buckshot pellets are perfectly round and resist deformation thanks to advanced copper plating. The results are extremely tight, consistent patterns.

REACH OUT AND TOUCH THEM

Vital-Shok Buckshot loads with the FLITECONTROL wad offer hunters tight long-range patterns. Target shot with 12-gauge 3-inch Vital-Shok Buckshot (PFC157 00) with a full choke at 30 yards; 12 hits and 12-inch spread.

VITAL•SHOK® BUCKSHOT WITH FLITECONTROL WAD

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>PAYLOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>P157 00</td>
<td>12</td>
<td>3½</td>
<td>1225</td>
<td>10 Pellets - 00 Buck</td>
</tr>
<tr>
<td>P154 00</td>
<td>12</td>
<td>2¾</td>
<td>1325</td>
<td>9 Pellets - 00 Buck</td>
</tr>
</tbody>
</table>

BUCKSHOT SIZES

<table>
<thead>
<tr>
<th>PELLET</th>
<th>DIA.</th>
<th>DIA. MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 000</td>
<td>.36</td>
<td>9.14</td>
</tr>
<tr>
<td>No. 00</td>
<td>.33</td>
<td>8.38</td>
</tr>
<tr>
<td>No. 0</td>
<td>.32</td>
<td>8.13</td>
</tr>
<tr>
<td>No. 1</td>
<td>.30</td>
<td>7.62</td>
</tr>
<tr>
<td>No. 2</td>
<td>.27</td>
<td>6.80</td>
</tr>
<tr>
<td>No. 3</td>
<td>.25</td>
<td>6.35</td>
</tr>
<tr>
<td>No. 4</td>
<td>.24</td>
<td>6.10</td>
</tr>
</tbody>
</table>

VITAL•SHOK® BUCKSHOT (CONT.)

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>PAYLOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>P258 3B</td>
<td>20</td>
<td>3</td>
<td>1175</td>
<td>20 Pellets - 3 Buck</td>
</tr>
</tbody>
</table>

TECHNOLOGIES

FLITECONTROL® Wad
Specially Formulated Propellant
*Specific loads only
BLACK CLOUD®

NOW WITH TUNGSTEN SUPER SHOT

When birds fly high, tear them down from the sky. Black Cloud TSS carries on a lethal legacy, blending proven FLITESTOPPER® Steel pellets and 18 g/cc Tungsten Super Shot. With 56 percent higher density than lead and more than double the density of steel, TSS pellets maintain velocity farther, hit harder and penetrate deeper than any waterfowl payload ever has.

BLACK CLOUD FS STEEL

FLITESTOPPER Steel Pellets
Tungsten Super Shot
Clean, Temperature-Stable Propellant
Catalyst Lead-Free Primer

Technologies

FLITESTOPPER Flex Wad
FLITESTOPPER Steel pellets
Tungsten Super Shot
Clean, Temperature-Stable Propellant
Catalyst Lead-Free Primer

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!

30 PERCENT BETTER PATTERNS THROUGH PORTED CHOKES*

Produce more efficient patterns through both ported chokes and standard tubes with the FLITESTOPPER Flex wad. Patent-pending rear-deploying petals feature reinforced gussets to allow them to deploy when fired through ported chokes that decrease muzzle pressure. Side-mounted slits stimulate the payload for separation from the wad at the ideal moment for consistent, deadly patterns.

FLITESTOPPER Steel

Clean, temperature stable propellant
Black nickel-plated head

FLITECONTROL FLEX wad provides the most consistent patterns in all waterfowl chokes

CUTTING-EDGE TECHNOLOGY—LITERALLY

FLITESTOPPER Steel creates massive wound cavities visible in ballistic gelatin. Its amazing shot construction features a cutting edge that devastates on impact.

NEW!

BLACK CLOUD TSS

FLITECONTROL FLEX® WAD

NEW!
**3RD DEGREE®**

**ONE LOAD—ANY RANGE**
Federal Premium® 3rd Degree has redefined turkey shotshell performance once again with the addition of the FLITECONTROL FLEX™ wad and HEAVYWEIGHT Tungsten Super Shot shot. The system performs through standard and ported turkey chokes to deliver larger, more forgiving patterns at close range, while still providing deadly performance at longer distances.

**TECHNOLOGIES**
- FLITECONTROL FLEX Wad
- FLITESTOPPER® Lead Pellets
- HEAVYWEIGHT TSS Pellets

**LOADS**

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>PAYLOAD</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTDX139</td>
<td>567</td>
<td>12</td>
<td>3½</td>
<td>1250</td>
<td>2</td>
</tr>
<tr>
<td>PTDX157</td>
<td>567</td>
<td>12</td>
<td>3</td>
<td>1250</td>
<td>1½</td>
</tr>
<tr>
<td>PTDX258</td>
<td>567</td>
<td>20</td>
<td>3</td>
<td>1100</td>
<td>1½</td>
</tr>
</tbody>
</table>

**CLOSE-RANGE FORGIVENESS**
The FLITESTOPPER lead portion of the 3rd Degree payload spreads quickly, creating forgiving patterns close up. Targets shot with a 28-inch barrel and Indian Creek ported turkey choke at 12 yards; yellow area denotes effective pattern size.

**LONG-RANGE LETHALITY**
The No. 7 HEAVYWEIGHT TSS and Premium lead portions of the 3rd Degree payload create dense, high-energy patterns at long range. Target shot at 40 yards with PTDX157 567 through a 28-inch barrel and a ported Indian Creek choke.

**PARTNER SPOTLIGHT: National Wild Turkey Federation**
Federal has been a major sponsor of the National Wild Turkey Federation (NWTF) since its beginning, and our entire line of turkey loads including 3rd Degree, Grand Slam® and HEAVYWEIGHT® TSS feature the NWTF logo, so hunters can support NWTF with every box they purchase.
HEAVYWEIGHT® TSS
EXTREME RANGE GOBBLER-GETTER

Go beyond the limits of long range with Federal Premium® Ammunition’s HEAVYWEIGHT TSS. The loads blend the skull-shattering 18 grams/cc density of Tungsten Super Shot pellets with the new FLITECONTROL FLEX™ wad system to provide the tightest, most deadly patterns possible at extreme range. The rear-braking wad also works through both standard chokes and the most aggressive ported turkey tubes for even more consistent patterns.

Clean-burning propellant
Extremely reliable Federal® primer
FLITECONTROL FLEX wad provides extremely tight, consistent patterns through standard and ported turkey chokes

MORE PELLETS THAN EVER BEFORE

New blended loads combine No. 7 and 9 or 8 and 10 Tungsten Super Shot. With some payloads topping 1,000 pellets, they put more hits on target than any turkey load in history. Target shot with 2 ½-ounce load of No. 8 and 10 HEAVYWEIGHT TSS (PTSSX195F 810) at 40 yards through an Indian Creek .665 construction choke.

DENSITY MATTERS

The small shot sizes of HEAVYWEIGHT TSS payloads provide much higher pellet counts than comparable lead ones. For example, the 1 ¾-ounce No. 9 HEAVYWEIGHT TSS load (PTSSX193F 9) holds approximately 635 pellets—330 more than a No. 5 lead payload of the same weight. This means more pellets on target, especially at long range.

18 g/cc DENSITY

The POWER OF HEAVYWEIGHT TSS

For the most powerful patterns possible, turn to HEAVYWEIGHT TSS. The No. 9 pellets have more penetration energy at 60 yards than No. 5 lead at 40 yards, with nearly the same velocity—all with a drastically higher pellet count.

NEW!

.410 PERFORMER

With the increased power and pellet counts of HEAVYWEIGHT TSS loads, hunters can get the patterns of hard-kicking 12-gauge lead loads while using a low-recoil .410. Target shot at 40 yards with PTSS419F 9 through a fixed full choke. Load does not include the FLITECONTROL FLEX wad.

HEAVYWEIGHT TSS payload is 56 percent denser than lead and 20 percent denser than original HEAVYWEIGHT tungsten

Load No. GAUGE SHELL LENGTH VELOCITY PAYLOAD SHOT
PTSSX195F 12 3½ 1000 2½ 7/9, 8/10
PTSSX191F 12 3½ 1200 2¼ 7, 9
PTSSX193F 12 3 1200 1¾ 7, 9
PTSSX295F 20 3 1000 15/8 7/9, 8/10
PTSSX259F 20 3 1100 1½ 7, 9
PTSS419F .410 3 1100 13/16 9

Clean-burning propellant
Extremely reliable Federal® primer
FLITECONTROL FLEX wad provides extremely tight, consistent patterns through standard and ported turkey chokes

HEAVYWEIGHT TSS with FLITECONTROL FLEX WAD

TECHNOLOGIES

FLITECONTROL FLEX Wad®
HEAVYWEIGHT TSS Pellets
*Does not include .410 load, PTSS419F
GRAND SLAM®

LEAD PAYLOADS HAVE NEVER HIT HARDER

Extend the range and enhance the lethality of conventional turkey payloads with Federal Premium® Grand Slam. Its FLITECONTROL FLEX™ wad system works in both standard and ported turkey chokes, opening from the rear for a controlled release of the payload. The high-quality copper-plated lead pellets provide dense patterns and ample energy to crush gobblers.

TECHNOLOGIES

FLITECONTROL FLEX Wad
Copper-Plated Lead Shot
Specialized Buffering

EXTREMELY RELIABLE FEDERAL® PRIMER

Buffering prevents pellet deformation for more consistent patterns

HIGH-QUALITY COPPER-PLATED LEAD SHOT

FLITECONTROL FLEX wad provides extremely tight, consistent patterns through standard and ported turkey chokes

BUFFER ZONE

New Grand Slam uses an advanced buffering compound to protect pellets at ignition, preventing deformation for better, more consistent patterns.

PATTERNS PERFECTED

Grand Slam’s FLITECONTROL FLEX wad opens from the rear to create dense long-range patterns that knock down hung-up gobblers. Target shot with PFCX157F 5 through a ported Indian Creek choke at 40 yards.

SPUR TAPE

Instantly determine just how much to brag up your gobbler with Spur Tape—a feature on Grand Slam and all Federal Premium turkey loads. The measuring hash marks on the hull let you quickly measure spurs in the field and share with your jealous buddies.

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GRADE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>PAYLOAD</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFCX101F</td>
<td>10</td>
<td>3½</td>
<td>1200</td>
<td>2</td>
<td>4, 5</td>
</tr>
<tr>
<td>PFCX139F</td>
<td>12</td>
<td>3½</td>
<td>1200</td>
<td>2, 4, 5, 6</td>
<td></td>
</tr>
<tr>
<td>PFCX157F</td>
<td>12</td>
<td>3</td>
<td>1200</td>
<td>1¾</td>
<td>4, 5, 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GRADE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>PAYLOAD</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFCX156F</td>
<td>12</td>
<td>2¾</td>
<td>1200</td>
<td>1½</td>
<td>5</td>
</tr>
<tr>
<td>PFCX258F</td>
<td>20</td>
<td>3</td>
<td>1185</td>
<td>15/16</td>
<td>5</td>
</tr>
</tbody>
</table>
**PRAIRIE STORM®**

**THE ONLY THING BETTER THAN HEARING A CACKLE IS MAKING IT STOP**

Pheasants are fast, tough birds. That’s why we combined our FLITECONTROL® wad and FLITESTOPPER® pellet technologies to create Prairie Storm. Whether you choose steel or lead, the loads deliver consistent patterns that put more than 75 percent of their pellets in a 30-inch circle at 40 yards.

**STEEL ALTERNATIVE**

Prairie Storm FS Steel® is the steel equivalent to your favorite upland load, with a payload of Premium brand steel (50 percent) and FLITESTOPPER Steel (50 percent). It provides the same pellet count and downrange velocity of popular lead loads.

**HOLES IN THE BIRD, NOT THE PATTERN**

PF154FS 4 puts more than 75 percent of its pattern in a 30-inch circle at 40 yards with a modified choke.

**PARTNER SPOTLIGHT: Pheasants Forever**

Since 1998, Federal® has supported Pheasants Forever with an on-box ammunition royalty program. For every box of Prairie Storm or Wing-Shok® you buy with the Pheasants Forever logo, Federal donates a portion of the proceeds to the organization’s habitat and education programs. We’ve sold nearly 56 million of these special shotshells!
**HI-BIRD®**

**TAKES HIGH-FLYING BIRDS DOWN HARD**

Hi-Bird uses a two-piece wad with SoftCell™ technology to decrease perceived recoil and produce more consistent long-range patterns. Plus, its lead shot is engineered for the optimum blend of hardness and density. The result is a dense pattern with more downrange energy—perfect for high-flying doves, crows, pigeons and upland birds.

**TECHNOLOGIES**

- Hard, Specially Formulated Lead Shot
- SoftCell Wad Technology

**BETTER PATTERNS**

Hi-Bird uses hard, highly uniform lead pellets to prevent deformation and create the most consistent, even patterns possible.

**PARTNER SPOTLIGHT: Quail Forever**

Federal is the official ammunition of Quail Forever. We’re devoted to the organization’s mission of conserving quail and other wildlife through habitat improvements, education and land management policies and programs. Learn more at quailforever.org.

**WING-SHOK®**

If you hunt upland birds, you work for every flush. So, when a bird gets up, make it happen with Federal Premium® Wing-Shok. The precision-built loads use extra-hard copper-plated lead shot, Federal Premium hulls and brass-plated heads for peak performance.

**AVAILABLE LOADS**

- Extremely reliable primer
- Brass-plated head
- Extremely reliable primer
- Extremely reliable primer
- Hard, Specially Formulated Lead Shot
- SoftCell Wad Technology

**HI-BIRD**

- **PF154**
- **PF163**
- **PF204**

**WING-SHOK MAGNUM**

- **P176**
- **P185**
- **P218**

**WING-SHOK HIGH VELOCITY**

- **P123**
- **P128**
- **P233**

**WING-SHOK PHEASANTS FOREVER HIGH VELOCITY**

- **P1764**
- **P1764**
- **P1764**

**EXTREMELY RELIABLE PRIMER**

- **Extremely reliable primer**

**HIGH-POWER 12-GAUGE LOADING**

- **High-power 12-gauge loading maximizes long-range lethality**

**TWO-PIECE WAD FEATURES**

- **Two-piece wad features SoftCell technology to decrease perceived recoil and produce better, more consistent long-range patterns**

**LEAD SHOT**

- **Lead shot is engineered for the optimum blend of hardness and density for even patterns and more downrange energy**

**LONG RANGE PATTERNS**

- **Hi-Bird uses hard, highly uniform lead pellets to prevent deformation and create the most consistent, even patterns possible.**

**PARTNER SPOTLIGHT:**

**Quail Forever**

Federal is the official ammunition of Quail Forever. We’re devoted to the organization’s mission of conserving quail and other wildlife through habitat improvements, education and land management policies and programs. Learn more at quailforever.org.
PARTNER SPOTLIGHT: USA SHOOTING

When America’s best clay target shooters compete on the world stage, they make a simple choice. Gold Medal Grand Paper, only from Federal—the official shotshell ammunition of USA Shooting. Learn more at usashooting.org.

Offiicial Sponsor

The look, feel and performance of Gold Medal® Paper shotshells made them the favorite of the most serious clay target shooters. Now there’s an even better option—Gold Medal Grand Paper. The loads combine Federal Premium® Ammunition’s classic paper hull with less felt recoil and harder shot.

SOFTER ON YOU. HARDER ON TARGETS.

Gold Medal Grand’s specially formulated shot offers the hardness of 5 percent antimony lead while maintaining the density needed to hit targets hard at long range. Its SoftCell wad technology also slashes felt recoil and improves pattern consistency.

Gold Medal Grand’s two-piece wad creates an air pocket that absorbs energy and delays the compression process. The result is recoil that hits the shooter’s shoulder later and with less force.

LEAVE OTHERS IN THE DUST

Gold Medal Grand Paper shotshells made them the favorite of the most serious clay target shooters. Now there’s an even better option—Gold Medal Grand Paper. The loads combine Federal Premium® Ammunition’s classic paper hull with less felt recoil and harder shot.

GOLD MEDAL GRAND®

SHOCK ABSORBER

GOLD MEDAL GRAND

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>DRAW</th>
<th>PERCUSSION</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMT119</td>
<td>12</td>
<td>2¾</td>
<td>1055</td>
<td>2½</td>
<td>⅜</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT113</td>
<td>20</td>
<td>2½</td>
<td>1050</td>
<td>2½</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT114</td>
<td>12</td>
<td>2¾</td>
<td>1040</td>
<td>2½</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT115</td>
<td>12</td>
<td>2¾</td>
<td>1100</td>
<td>2½</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT116</td>
<td>12</td>
<td>2¾</td>
<td>1100</td>
<td>⅞</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT117</td>
<td>12</td>
<td>2¾</td>
<td>1150</td>
<td>⅞</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
</tbody>
</table>

GOLD MEDAL GRAND PLASTIC

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>DRAW</th>
<th>PERCUSSION</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T100</td>
<td>20</td>
<td>2½</td>
<td>1200</td>
<td>2½</td>
<td>⅞</td>
<td>7.5, 8</td>
</tr>
<tr>
<td>T105</td>
<td>20</td>
<td>2½</td>
<td>1200</td>
<td>2½</td>
<td>⅞</td>
<td>7.5, 8</td>
</tr>
<tr>
<td>T110</td>
<td>20</td>
<td>2½</td>
<td>1150</td>
<td>2½</td>
<td>⅞</td>
<td>7.5, 8</td>
</tr>
<tr>
<td>T115</td>
<td>20</td>
<td>2½</td>
<td>1200</td>
<td>⅞</td>
<td>⅛</td>
<td>7.5, 8</td>
</tr>
<tr>
<td>T120</td>
<td>20</td>
<td>2½</td>
<td>1250</td>
<td>⅞</td>
<td>⅜</td>
<td>7.5, 8</td>
</tr>
</tbody>
</table>

GOLD MEDAL GRAND PAPER

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>DRAW</th>
<th>PERCUSSION</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMT110</td>
<td>12</td>
<td>2¾</td>
<td>1050</td>
<td>2½</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT111</td>
<td>12</td>
<td>2¾</td>
<td>1050</td>
<td>2½</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT112</td>
<td>12</td>
<td>2¾</td>
<td>1150</td>
<td>2½</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT113</td>
<td>12</td>
<td>2¾</td>
<td>1200</td>
<td>⅞</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
<tr>
<td>GMT114</td>
<td>12</td>
<td>2¾</td>
<td>1250</td>
<td>⅞</td>
<td>⅛</td>
<td>8, 9</td>
</tr>
</tbody>
</table>

NEW!

GOLD MEDAL GRAND

For decades, Gold Medal shotshells have set the standard for competitive trap, skeet and sporting clays shooters. Gold Medal Grand Plastic produces less felt recoil, more reliable ignition and improved shot hardness—all with the same world-class performance shooters expect from Federal Premium Ammunition.

Two-piece wad utilizes SoftCell technology to decrease perceived recoil and produce more uniform patterns than one-piece designs.

Lead shot is engineered for the optimum blend of hardness and density for even patterns and maximum downrange power.

SOFT CELL WAD

Gold Medal Grand Paper uses a high-quality brass head with integral base wad for maximum reloadability.

GOLD MEDAL GRAND PAPER

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>DRAW</th>
<th>PERCUSSION</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMT115</td>
<td>12</td>
<td>2¾</td>
<td>1150</td>
<td>⅞</td>
<td>⅜</td>
<td>7.5, 8</td>
</tr>
<tr>
<td>GMT116</td>
<td>12</td>
<td>2¾</td>
<td>1200</td>
<td>⅛</td>
<td>⅛</td>
<td>7.5, 8</td>
</tr>
</tbody>
</table>

PRIMERLOCK HEAD

Rigid PrimerLock head improves primer sensitivity, ensuring proper ignition in the event of a light hit; Gold Medal Grand Paper uses a high-quality brass head with integral base wad for maximum reloadability.

Rigid PrimerLock head improves primer sensitivity, ensuring proper ignition in the event of a light hit; Gold Medal Grand Paper uses a high-quality brass head with integral base wad for maximum reloadability.

Lead shot is engineered for the optimum blend of hardness and density for even patterns and maximum downrange power.

GOLD MEDAL PLASTIC

<table>
<thead>
<tr>
<th>LOAD NO.</th>
<th>GAUGE</th>
<th>SHELL LENGTH</th>
<th>VELOCITY</th>
<th>DRAW</th>
<th>PERCUSSION</th>
<th>SHOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T200</td>
<td>20</td>
<td>2½</td>
<td>1200</td>
<td>2½</td>
<td>⅞</td>
<td>7.5, 8</td>
</tr>
<tr>
<td>T205</td>
<td>20</td>
<td>2½</td>
<td>1200</td>
<td>⅞</td>
<td>⅜</td>
<td>7.5, 8</td>
</tr>
<tr>
<td>T210</td>
<td>20</td>
<td>2½</td>
<td>1250</td>
<td>⅞</td>
<td>⅜</td>
<td>7.5, 8</td>
</tr>
</tbody>
</table>

NEW!

LEAVE OTHERS IN THE DUST

The look, feel and performance of Gold Medal® Paper shotshells made them the favorite of the most serious clay target shooters. Now there’s an even better option—Gold Medal Grand Paper. The loads combine Federal Premium® Ammunition’s classic paper hull with less felt recoil and harder shot.

Gold Medal Grand Paper shotshells made them the favorite of the most serious clay target shooters. Now there’s an even better option—Gold Medal Grand Paper. The loads combine Federal Premium® Ammunition’s classic paper hull with less felt recoil and harder shot.

When America’s best clay target shooters compete on the world stage, they make a simple choice. Gold Medal Grand Paper, only from Federal—the official shotshell ammunition of USA Shooting. Learn more at usashooting.org.

New! Gold Medal Grand Plastic produces less felt recoil, more reliable ignition and improved shot hardness—all with the same world-class performance shooters expect from Federal Premium Ammunition.

Gold Medal Grand Paper shotshells made them the favorite of the most serious clay target shooters. Now there’s an even better option—Gold Medal Grand Paper. The loads combine Federal Premium® Ammunition’s classic paper hull with less felt recoil and harder shot.

When America’s best clay target shooters compete on the world stage, they make a simple choice. Gold Medal Grand Paper, only from Federal—the official shotshell ammunition of USA Shooting. Learn more at usashooting.org.

NEW!

The look, feel and performance of Gold Medal® Paper shotshells made them the favorite of the most serious clay target shooters. Now there’s an even better option—Gold Medal Grand Paper. The loads combine Federal Premium® Ammunition’s classic paper hull with less felt recoil and harder shot.

When America’s best clay target shooters compete on the world stage, they make a simple choice. Gold Medal Grand Paper, only from Federal—the official shotshell ammunition of USA Shooting. Learn more at usashooting.org.