### Ball Lines

<table>
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<th>Ball Line</th>
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<tbody>
<tr>
<td>PP Pro Performance</td>
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<tr>
<td>HP High Performance</td>
<td>7-8</td>
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<td>AVP Advanced Performance</td>
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<td>PPA Polyester Pinpoint Accuracy</td>
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<td>BC Ball Comparison &amp; Specification Charts</td>
<td>21-22</td>
</tr>
<tr>
<td>PSG Pro Shop Goods</td>
<td>23-24</td>
</tr>
</tbody>
</table>
**C(System) UTLI-MAX™ — NEW**

With its Rough Buff Finish, the C(System) ulti-max skids effortlessly through the front, saving axis rotation in the mid-lane to grab the backend for strong continuous response to friction that cuts easily through the pins on medium to medium-oily lane conditions.

**DUAL FLIP I-BLOCK CORE**

This core incorporates a top and bottom flip block over a centered mass. The dual flip blocks keep the core revving to the backend for improved pin action.

**C(System) ulti-max**

CFT ulti-max Pearl

Rough Buff

155

10

95

2570

2520

0.030

0.039

4.4

12.16

**C(System) alpha-max**

CFT alpha-max

4003 Standard Micro Pearl

130

100

95

2570

2520

0.050

0.029

4.4

12.16

**Wicked Siege™**

Propel X Pearl Rough Buff

145

15

90

2579

2529

0.030

0.020

4.8

12.16

**C(System) alpha-max™**

The C(System) alpha-max offers the highest hook potential of any Brunswick ball to date. It skids effortlessly through the front, saving axis rotation in the mid-lane to grab the backend for strong response to friction and cuts easily through the pins.

**ASYMMETRIC I-BLOCK CORE**

This core enhances the EFT alpha-max coverstock to create maximum forgiveness, strong entry angles along with versatile drilling layouts.

**WICKED SIEGE™**

The Wicked Siege combines the Propel X Pearl coverstock and the MACE medium RG core to produce a ball motion that is clean through the front, consistent in the mid-lane with a quick response to friction on the backend.

**MACE™ CORE**

This core has a medium RG core system for a breakpoint further down lane. A high RG differential to increase backend traction and high RG asymmetric differential to quicken the response time to friction.
LETHAL REVOLVER™ — NEW
With its 2000 SiSuir Micro Pad finish, the Lethal Revolver unites the proven Propel X Solid coverstock and the Jack low RG core to produce a ball motion that clears the front part of the lane and produces a strong, yet predictable ball motion from the breakpoint through the pins especially for bowlers with lower rev rates.

HP
High performance

JACK™ CORE
The Jack core was designed as a low RG, symmetric core with a high differential. The low RG engages in the mid lane assisting in ball motion, and the high differential increases track flare potential giving the ball more opportunity to grip the backend while using standard layouts.

LENTH SHAPE RG-MAX RG-MIN RG-DIFF RG-AVG WEIGHTS
Lethal Revolver Propel X Solid 2000 SiSuir Micro Pad 180 100 80 2.568 2.584 0.054 38 12-15
Loaded Revolver Propel X Pearl Rough Buff 190 110 85 2.568 2.584 0.054 38 12-15
Revolver ConneXion Grip 4000 SiSuir Micro Pad 195 95 75 2.568 2.584 0.054 38 12-15

LOADED REVOLVER™
With its Rough Buff finish, the Loaded Revolver unites the proven Propel X Pearl coverstock and the Jack low RG core to produce a ball motion that clears the front with ease and is aggressive in the mid lane with a quick, continuous response to friction on the backend.

REVOLVER™
The Revolver, with its reformulated ConneXion Grip coverstock and SiSuir Micro Pad finish, provides good length with a strong continuous backend reaction that matches up on medium to oily lane conditions, providing accuracy for a range of bowling styles.

JACK CORE
The low RG engages in the mid lane assisting in ball motion, and the high differential increases track flare potential giving the ball more opportunity to grip the backend while using standard layouts.

www.BowlwithBrunswick.com
MASSIVE DAMAGE™ - NEW

With its Rough Buff finish, the Massive Damage will rev quickly in the mid-lane with a strong continuous back-end reaction that matches up on medium oil lane conditions for a wide range of bowling styles.

LOW RG CORE
The Massive Damage features a new Low RG Performance core that revs quickly providing mid-lane control with a strong predictable back-end motion.

ADVANCED PERFORMANCE

<table>
<thead>
<tr>
<th>COVERSTOCK</th>
<th>FINAL FINISH</th>
<th>MODE POTENTIAL</th>
<th>LENGTH</th>
<th>SHAPE</th>
<th>RG MAX</th>
<th>RG MIN</th>
<th>RG OFF</th>
<th>RG AVG</th>
<th>WEIGHTS</th>
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<tbody>
<tr>
<td>Massive Damage</td>
<td>Activator Plus</td>
<td>Rough Buff</td>
<td>155</td>
<td>105</td>
<td>75</td>
<td>2.53</td>
<td>2.48</td>
<td>0.050</td>
<td>3.7</td>
</tr>
<tr>
<td>Damage</td>
<td>PowerKoal 8 Pearl</td>
<td>High Gloss Polish</td>
<td>125</td>
<td>15</td>
<td>90</td>
<td>2.60</td>
<td>2.55</td>
<td>0.045</td>
<td>5.5</td>
</tr>
</tbody>
</table>

DAMAGE™

With its high gloss finish, the Damage provides excellent length with a quick response to friction at the breakpoint. With the highest rated breakpoint shape, at the Advanced Performance price point, Damage matches up on medium to dry lane conditions for a wide range of bowling styles.

HIGH RG PERFORMANCE CORE
The Damage incorporates a new High RG Performance core that provides easy length through the heads and mid-lane while maintaining axis rotation for a strong continuous back-end motion.

ADVANCED HOOK PERFORMANCE COVERSTOCK FINAL FINISH POTENTIAL RG-AVG WEIGHTS

<table>
<thead>
<tr>
<th>Massive Damage Activator Plus Rough Buff</th>
<th>Damage PowrKoil 8 Pearl High Gloss Polish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6</td>
<td>1.8</td>
</tr>
<tr>
<td>1.6</td>
<td>1.7</td>
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<tr>
<td>1.6</td>
<td>1.8</td>
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<tr>
<td>1.6</td>
<td>1.8</td>
</tr>
<tr>
<td>1.6</td>
<td>1.8</td>
</tr>
<tr>
<td>1.6</td>
<td>1.8</td>
</tr>
</tbody>
</table>
**KARMA™ BLACK/BLUE SOLID — NEW**

With its High Gloss box finish, the Karma Black/Blue Solid will provide good length through the heads; a medium response to friction in the mid lane with a smooth controllable backend. The Karma Black/Blue Solid is great ball for rev dominant and slower ball speed players on medium to light oil conditions.

**绩效芯**

The Karma Black/Blue Solid incorporates a familiar light bulb shape Medium RG Performance core that provides easy length through the heads, mid lane stability while maintaining axis rotation for a strong continuous backend motion.

**AFFORDABLE PERFORMANCE**

<table>
<thead>
<tr>
<th>COVERSTOCK</th>
<th>FINAL FINISH</th>
<th>HOOK POTENTIAL</th>
<th>LENGTH</th>
<th>SHAPE</th>
<th>RG-MAX</th>
<th>RG-MIN</th>
<th>RG-DIFF</th>
<th>RG-AVG</th>
<th>WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Karma Solid</td>
<td>PowrKoil 80/Solid</td>
<td>High Gloss Polish</td>
<td>120</td>
<td>180</td>
<td>80</td>
<td>2.567</td>
<td>2.527</td>
<td>0.040</td>
<td>4.9</td>
</tr>
<tr>
<td>Karma Pearl</td>
<td>PowrKoil 80/Pearl</td>
<td>High Gloss Polish</td>
<td>100</td>
<td>120</td>
<td>85</td>
<td>2.567</td>
<td>2.527</td>
<td>0.040</td>
<td>4.9</td>
</tr>
<tr>
<td>Avalanche Urethane</td>
<td>Urethane</td>
<td>High Gloss Polish</td>
<td>50</td>
<td>180</td>
<td>90</td>
<td>2.548</td>
<td>2.524</td>
<td>0.024</td>
<td>4.2</td>
</tr>
</tbody>
</table>

**KARMA™ BLUE/GREEN PEARL — NEW**

With its High Gloss box finish, the Karma Blue/Green Pearl will provide excellent length with a medium to quick response to friction at the breakpoint. The Karma Blue/Green Pearl is great ball for rev dominant and slower ball speed players on light oil conditions.

**绩效芯**

Incorporating a familiar light bulb shape this core provides easy length through the heads, mid lane stability while maintaining axis rotation for a strong continuous backend motion.

**PERFORMANCE**

- **Typical 300 orientation oil condition**
- **Karma Solid**
- **Karma Pearl**
- **Avalanche Urethane**

**AVALANCHE™ URETHANE**

Designed for extra length and a smooth predictable ball motion the Avalanche Urethane is ideal for lighter amounts of oil and a more "down the boards" line to the pocket. The extra length and predictable ball motion will keep you on top of your game.

**TEAL RHINO™ LIGHT BULB CORE**

This core and its Danger Zone modification were at the heart of two of the most successful balls of all time.
SLINGSHOT® — NEW COLORS

The Slingshot features the popular Brunswick PowrKoil™ Reactive coverstock. PowrKoil™ is a mild reactive coverstock that will create length with a medium response to friction on dry to medium-dry lane conditions. The Slingshot is available in a variety of bright pearlized colors to match any bowler’s style.

2-PIECE SHAPED CORE

The first ball in its class with a two-piece shaped dynamic core that offers multiple drilling options and stronger hitting power compared to traditional three-piece pancake weight block cores available at this price point.

NEW - Purple Pearl/Purple Pearl

NEW - Black Pearl/Pink Pearl

NEW - Red Pearl/Silver Pearl

NEW - Silver Pearl/Black Pearl

NEW - Gold Pearl/Blue Pearl

ENTRY LEVEL PERFORMANCE COVERSTOCK FINAL FINISH HOOK POTENTIAL LENGTH SHAPE RG-MAX RG-MIN RG-DIFF RG-AVG WEIGHTS

Slingshot PowrKoil™ Reactive High Gloss Polish 60 64 65 2603 2.586 0.037 5.9 10.5

Typical 30° on medium-oil lane condition.
It’s always good to have a spare, and now our already impressive TZone line is better than ever with improved colors that glow even brighter under black light. Get pinpoint accuracy and show your style.

**TZONE® GLOW NEW COLORS**

Get pinpoint accuracy and show your style.

**NEW**

- **Caribbean Blue**
  - Weight options: 6, 8, 10
  - 60-105364

- **Purple Bliss**
  - Weight options: 6, 8, 10
  - 60-105362

- **Green Envy**
  - Weight options: 6, 8, 10
  - 60-105368

- **Indigo Swirl**
  - Weight options: 6, 8, 10
  - 60-105362

- **Mixed Berry**
  - Weight options: 6, 8, 10
  - 60-105363

- **Patriot Blue**
  - Weight options: 6, 8, 10
  - 60-105360

- **Magenta Smoke**
  - Weight options: 6, 8, 10
  - 60-105327

- **Pink Bliss**
  - Weight options: 6, 8, 10
  - 60-105290

- **Pink Bliss**
  - Weight options: 6, 8, 10
  - 60-105294

- **Peace Themed**
  - Weight options: 6, 8, 10
  - 60-105366

- **Hearts Themed**
  - Weight options: 6, 8, 10
  - 60-104962

- **Skull Themed**
  - Weight options: 6, 8, 10
  - 60-104964

**BULLET CORE**

A small-shaped version of the high-tech, two-piece, bullet core provides great weight distribution with added track flare.
VIZ-A-BALL®
Limited edition graphics. Bowling’s works of art.

Weight options: 6, 8, 10, 12, 14, 16

**LIZARD EYE GLOW**
Available Worldwide

**OCEAN LIFE GLOW**
Available Worldwide

**SHARK GLOW**
Available Worldwide

**WHITE BALL GLOW**
Available Worldwide

**HELLO KITTY COLLAGE GLOW**
Available in U.S., Canada & Mexico

**HELLO KITTY GLOW**
Available Worldwide

**JUNGLE GLOW – NEW**
Available Worldwide

**FANTASY GLOW – NEW**
Available Worldwide

**WIZARD GLOW – NEW**
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**UNCLE SAM GLOW**
Available Worldwide

**KALEIDOSCOPE® GLOW**
Available Worldwide

**Grim Reaper Glow**
Available Worldwide

**Grizzly Bear**
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**FANTASY GLOW – NEW**
Available Worldwide

**WIZARD GLOW – NEW**
Available Worldwide

**SKULL CRAZY GLOW – NEW**

**IN-VIZABALL**
Available Worldwide

**SPIRAL RED/BLACK GLOW – NEW**
Available Worldwide

**SPIRAL PINK/PINK/GREEN GLOW – NEW**
Available Worldwide

**HELLO KITTY COLLAGE GLOW**
Available in U.S., Canada & Mexico

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**FANTASY GLOW – NEW**
Available Worldwide

**WIZARD GLOW – NEW**
Available Worldwide

**UNCLE SAM GLO”
SMILEY FACE
(6-45000)
Available Worldwide

LEOPARD
(6-45000)
Available Worldwide

COW GLOW
(6-45000)
Available Worldwide

CAMOUFLAGE
(6-45000)
Available Worldwide

PINK CAMOUFLAGE GLOW
(6-45000)
Available Worldwide

SNAIL GLOW
(6-45000)
Available Worldwide

GAME FISHING GLOW
(6-45000)
Available Worldwide

HEARTS GLOW
(6-45000)
Available Worldwide

BUTTERFLIES GLOW
(6-45000)
Available Worldwide

WORLD GLOW
(6-45000)
Available Worldwide

MINI VIZ-A-BALL®
Fun, collectible miniature balls.

300 GAME
(6-60000)
Available Worldwide

IT'S A BOY
(6-60000)
Available Worldwide

IT'S A GIRL
(6-60000)
Available Worldwide

FLAME
(6-45000)
Available Worldwide

Available Worldwide
# Ball Comparison Chart

## Ball Specifications

<table>
<thead>
<tr>
<th>Performance Ball</th>
<th>Coverstock</th>
<th>Final Finish</th>
<th>Hook Potential</th>
<th>Length</th>
<th>Shape</th>
<th>Rg-Max</th>
<th>Rg-Min</th>
<th>Rg-Diff</th>
<th>Rg-Avym</th>
<th>Rg-Avg</th>
<th>Weights</th>
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</thead>
<tbody>
<tr>
<td>Pro</td>
<td>CF Sport/Lite Max - EFT/Lite Max Pearl</td>
<td>Rough-Buff</td>
<td>155</td>
<td>115</td>
<td>95</td>
<td>2570</td>
<td>2520</td>
<td>0.050</td>
<td>0.007</td>
<td>4.4</td>
<td>12.16</td>
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<tr>
<td>Pro</td>
<td>CF Sport/Lite Max - EFT/Lite Max Pearl</td>
<td>4300 Shai/Mic-Pad</td>
<td>180</td>
<td>115</td>
<td>95</td>
<td>2570</td>
<td>2520</td>
<td>0.050</td>
<td>0.007</td>
<td>4.4</td>
<td>12.16</td>
</tr>
<tr>
<td>Pro</td>
<td>Wicked Siege - Prop™X Pearl</td>
<td>Rough-Buff</td>
<td>145</td>
<td>115</td>
<td>90</td>
<td>2579</td>
<td>2520</td>
<td>0.050</td>
<td>0.020</td>
<td>4.8</td>
<td>12.16</td>
</tr>
<tr>
<td>High</td>
<td>Lethal Revolver - Prop™X Solid</td>
<td>Rough-Buff</td>
<td>130</td>
<td>110</td>
<td>85</td>
<td>2585</td>
<td>2534</td>
<td>0.054</td>
<td>-</td>
<td>3.8</td>
<td>12.16</td>
</tr>
<tr>
<td>High</td>
<td>Lethal Revolver - Prop™X Pearl</td>
<td>Rough-Buff</td>
<td>150</td>
<td>110</td>
<td>85</td>
<td>2585</td>
<td>2534</td>
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<td>-</td>
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</tr>
<tr>
<td>High</td>
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<td>165</td>
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<td>95</td>
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<td>3.8</td>
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<tr>
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<td>Massive Damage - Activator Plus</td>
<td>Rough-Buff</td>
<td>155</td>
<td>115</td>
<td>75</td>
<td>2531</td>
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</tr>
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<td>5.9</td>
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## Ball Parameters

- **Hook Potential**: Calculated on open-ended scale. Hook potential lists how the player can control the ball on various lane conditions. Balls with lower potential numbers will begin to change direction earlier. Length numbers are not included inHook Potential. Typical values begin to change direction at 32°. Typical values are 50° to 59°. Typical values begin to change direction before the first breakpoint or in a shorter shape than Typical values. Length numbers are not included in Hook Potential. Typical values begin to change direction at 30°. Typical values are 50° to 60°.

- **Length**: Rated on an open-ended scale. Length describes the relative "out of the box" length of the ball in the various lane conditions. Balls with lower numbers will begin to change direction before taking a longer length. Balls with higher numbers begin to change direction later. Length numbers are not included in Hook Potential. Typical values begin to change direction at 32°. Typical values are 50° to 59°. Typical values begin to change direction before the first breakpoint or in a shorter shape than Typical values. Length numbers are not included in Hook Potential. Typical values begin to change direction at 30°. Typical values are 50° to 60°.

- **Breakpoint Shape**: Rated on an open-ended scale. Breakpoint Shape describes the relative "out of the box" breakpoint shape of the ball in the various lane conditions. Balls with lower numbers will begin to change direction before taking a shorter breakpoint shape. Balls with higher numbers begin to change direction later. Typical breakpoint shapes are 60° to 69°, 60° to 69°, 60° to 69°, 60° to 69°, and 60° to 69°. Typical breakpoint shapes are 60° to 69°, 60° to 69°, 60° to 69°, 60° to 69°, and 60° to 69°. Typical breakpoint shapes are 60° to 69°, 60° to 69°, 60° to 69°, 60° to 69°, and 60° to 69°. Typical breakpoint shapes are 60° to 69°, 60° to 69°, 60° to 69°, 60° to 69°, and 60° to 69°.

# Ball Specification Chart

## Performance Ball

<table>
<thead>
<tr>
<th>Performance Ball</th>
<th>Coverstock</th>
<th>Final Finish</th>
<th>Hook Potential</th>
<th>Length</th>
<th>Shape</th>
<th>Rg-Max</th>
<th>Rg-Min</th>
<th>Rg-Diff</th>
<th>Rg-Avym</th>
<th>Rg-Avg</th>
<th>Weights</th>
</tr>
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<tbody>
<tr>
<td>Pro</td>
<td>CF Sport/Lite Max - EFT/Lite Max Pearl</td>
<td>Rough-Buff</td>
<td>155</td>
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<td>95</td>
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<td>0.007</td>
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<tr>
<td>Pro</td>
<td>CF Sport/Lite Max - EFT/Lite Max Pearl</td>
<td>4300 Shai/Mic-Pad</td>
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<td>115</td>
<td>95</td>
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<td>0.007</td>
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<tr>
<td>Pro</td>
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## Hook Potential

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Siaair Micro Finishing Pads

Siaair is a micro finish abrasive pad with three components, one perfect result. Siaair combines the revolutionary velvet net back abrasive with a pressure-equalizing, special foam cushioning and the proven Siafast fastening system. The combination is a three-dimensional abrasive for the highest quality requirements in finishing.

Benefits Include:

- Longest lasting micro pad in the industry
- Consistent finish throughout life of pad
- Minimum clogging
- Low scratch depth
- Waterproof and washable
- Available in the following grits – 400, 600, 800, 1000, 1500, 2000, 3000 & 4000

Siaair Micro Pads use an aluminum oxide abrasive. As the sanding continues it fractures and creates sharp surfaces. The A/O grain does not penetrate the surface as deeply so it does not produce scratches that are hard to remove.

The competition uses a silicon carbide abrasive which is very sharp, brittle and hard. This causes the product to die off quickly becoming less sharp each time the grain fractures.

Siaair 4000 grit pad at 200x

Competitor’s 4000 grit pad at 200x

Siafast Micro Pads

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Siafast Micro Pads use an aluminum oxide abrasive. As the sanding continues it fractures and creates sharp surfaces. The A/O grain does not penetrate the surface as deeply so it does not produce scratches that are hard to remove.

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