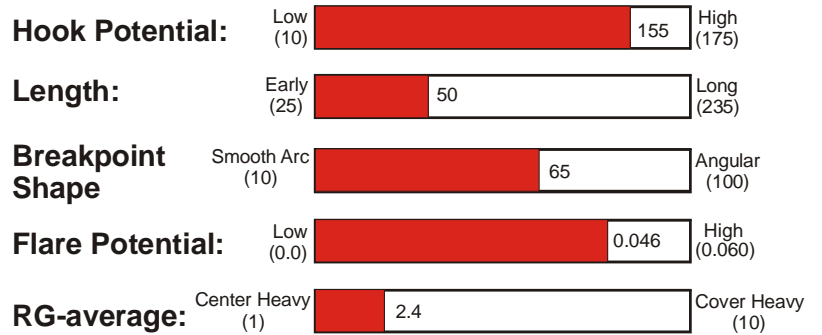


BLAST ZONE



Part Number

60-104769-93X

Coverstock

Activator® Reactive
Color: Black / Green / Purple
Hardness: 76-78
Glow Engraving

Factory Finish

Scotch-Brite Grey Pad or
800-grit wet sand finish

Core Dynamics

RG Max: 2.504
RG Int: 2.484
RG Min: 2.458
RG Diff: 0.046
RG Asy: 0.020
Average RG: 2.4

Performance

Hook Potential: 155
Length: 50
Typical Breakpoint Shape: 65
Comparison Chart Position = R14

Available Weights

12-16 Pounds

Core

For 2007, Brunswick is bringing back an updated version of the bowling industry's original asymmetric core. The Phantom core was the first core with a two-pin design and a built in Preferential Spin Axis (PSA). The ABC/USBC used the Phantom core to establish the original RGmin and RGdiff specifications for the system of bowling. By using an updated version of the Phantom core, Brunswick has increased the asymmetric differential of the Zone line from 0.017" to 0.020". Combined with Activator coverstock and a 800-grit wet sand finish, the Blast Zone upgrades the Strike Zone in the Zone Asymmetric line.

Drilling Note: Use the included drilling layouts or your current favorite asymmetric layouts for the Blast Zone. The original Phantom layouts are now obsolete and are not recommended.

Coverstock

The Blast Zone uses a hybrid version of Activator coverstock, combining the Activator Solid from the Ultimate Inferno® with the Activator Pearl from the Original Inferno. The Blast Zone retains the popular Activator ball reaction. Clean through the heads, but with an early revving type of roll, that promotes mid-lane recovery and a powerful but continuous breakpoint.

Reaction Characteristics

Out of the Box: With its 800-grit wet sand surface, the Blast Zone is an ideal asymmetric ball on medium-to-oily lane conditions.

If your Blast Zone goes too long: Dull the surface using 600-grit or rougher abrasive. The hooking action will increase and its arc will become more even, creating a better match-up for oily lane conditions and for smoothing over/under reactions seen on wet/dry lane conditions.

If your Blast Zone hooks too early: Smooth the surface with 1000, 2000 or 4000-grit abrasives to create more length. If your Blast Zone still hooks too early, polish the surface with either **Brunswick's Factory Finish "High Gloss Polish"** or **"Rough Buff"**. High Gloss Polish creates more length than Rough Buff.

For the most up to date Product Line Information go to www.brunswickbowling.com

Maintaining Your Ball Reaction

Brunswick recommends the following procedures to maintain and restore the reaction characteristic of your Brunswick bowling balls:

- Clean your Brunswick ball with **Brunswick Remove All** or similar ball cleaner after every use to reduce oil absorption.
- If you think your Brunswick ball has lost some of its "Out of the Box" reaction, restore the ball to its original factory finish listed on the product information sheet. This is especially important for balls that are highly sanded or polished. Sand to 400-grit then use **Brunswick's Factory Finish High Gloss Polish** to restore the original factory finish on high gloss polish balls. Sand to 220-grit then use **Brunswick's Factory Finish Rough Buff** to restore the original factory finish on rough buff balls. For dull balls, wet sand with the sandpaper listed on the product information sheet.
- If there is a visible track on your ball have your Pro Shop use a Haas or similar resurfacing machine to remove the track then restore the ball to its original factory finish. This service is available, for a fee, at many Pro Shops.
- If your ball has more than 50 games on it, you may be able to increase mid-lane and back-end hooking action by removing oil from the coverstock. Remove the oil from the ball by gently warming it with either the **Revivor** or **Rejuvenator** Pro Shop devices that have been designed for this purpose. The service is available, for a fee, at many Pro Shops. Brunswick testing has shown that by combining the restoration of the factory finish, resurfacing of the track and oil removal, your Brunswick ball can maintain its original "Out of the Box" reaction for hundreds of games.
Do not use a home oven to remove oil. Temperatures can not be adequately controlled, and the ball may crack.
- Absorbent materials sold by other bowling ball manufactures to remove oil can also be used on Brunswick bowling balls. Information to date seems to indicate that absorbent materials have a more limited ability to remove oil than warming. You may be disappointed with results on heavily oil soaked balls.






Note: Oil soaked balls tend to traction less in the oil and respond less to the dry boards on the lane. If you are matching-up using an oil soaked ball on wet/dry or broken down lane conditions, removing the oil from the ball will significantly change your match-up and possibly create undesirable over reactions.

Ball Comparisons

Want to compare the performance of this ball to other Brunswick balls? Go to our website at www.brunswickbowling.com. Click on **Balls**, then click on **Pro Shop Information**. This page contains a link to the **Brunswick Ball Comparison Chart**. This chart allows you to see, at a glance, the performance of all Brunswick balls relative to each other, defined by their **Hook Potential** and **Arc Characteristics**. There's even an essay to help explain and guide you through the chart.

Lightweight Engineering

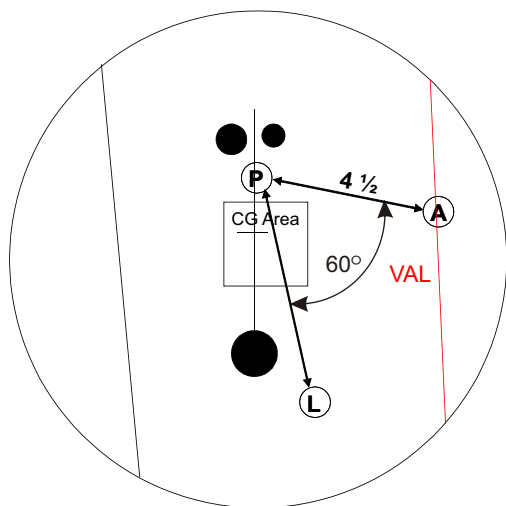
At Brunswick, the unique core shape of each individual ball is used for weights from 14 to 16 pounds. This approach to lightweight ball engineering provides bowlers with consistent ball reaction characteristics across this weight range. At 12 & 13 pounds, Brunswick uses a generic core shape with a RG-differential of 0.045. This differential is close enough to the 14-16 pound shape so that the same drilling instructions can be used.

Weight	16#	15#	14#	13#	12#	11#	10#
Core Shape						Not Available	Not Available
RG-max.	2.504	2.519	2.547	2.631	2.704		
RG-Int.	2.484	2.499	2.527	2.619	2.697		
RG-min.	2.458	2.473	2.503	2.586	2.659		
RG-diff.	0.046	0.046	0.044	0.045	0.045		
RG-Asy.	0.020	0.020	0.020	0.012	0.007		

Zone Asymmetric - Basic Drilling Instructions

The layouts shown are the medium track versions.

Go to brunswickbowling.com, Pro Shop information section, for drilling instruction that include images for high and low track players and a section on full roller layouts.



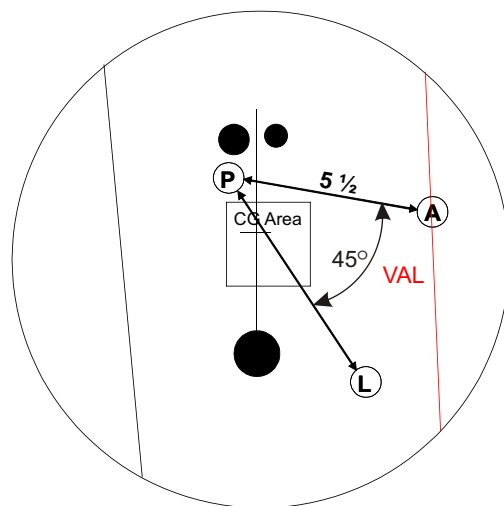
1 - Maximum Hook and Arc

Best pin-out distance to use: 0 - 2 inches

Pin from axis (A): 4 - 4 1/2 inches

Locator Pin set at 60°

Rev's up early for maximum hook with a even back-end reaction



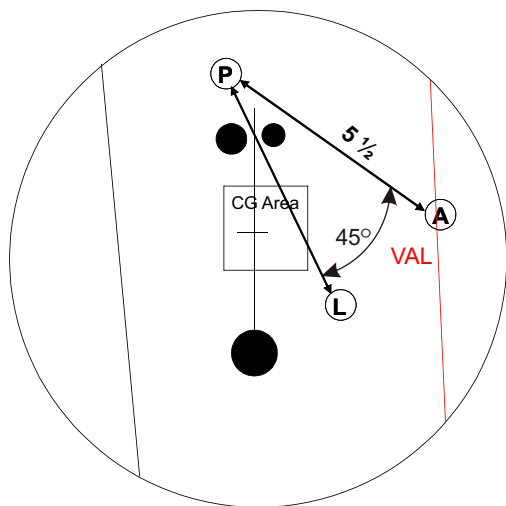
2 - Mid-Lane Hook and Back-End

Best pin-out distance to use: 0 - 2 inches

Pin from axis (A): 5 - 5 1/2 inches

Locator Pin set at 45°

This layout helps bowlers open up the mid-lane and recover on heavy carry down



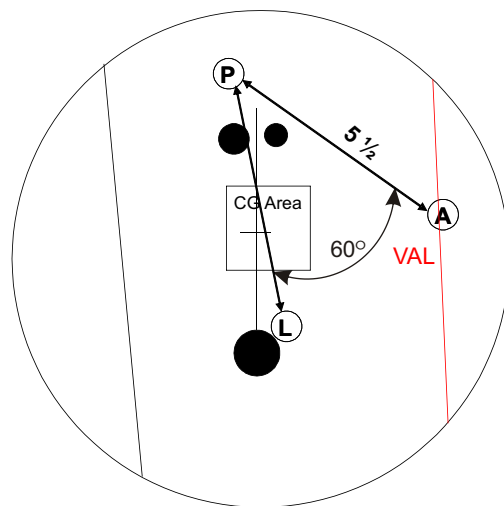
3 - Length and Back-End

Best pin-out distance to use: 3 1/2 - 5 1/2 inches

Pin from axis (A): 5 - 5 1/2 inches

Locator Pin set at 45°

This layout helps bowlers create length with a strong back-end



4 - Length

Best pin-out distance to use: 3 - 5 1/2 inches

Pin from axis (A): 5 - 5 1/2 inches

Locator Pin set at 60°

Length drilling with arcing back-end

Note: If a X-hole is necessary to make the ball USBC legal, draw a line from the grip center through the CG and place the X-hole where it hits the VAL

1. (P) is the larger circle or pin on the ball that marks the top of the core
2. (L) is a smaller circle or pin that marks the Preferential Spin Axis (PSA) of the ball
3. For left-handed bowlers use the mirror images of these layouts

Note: Finger, thumb and X-holes must have at least a moderate bevel and the riser Pin (P) must be at least one inch from any drilled hole to comply with the Brunswick warranty