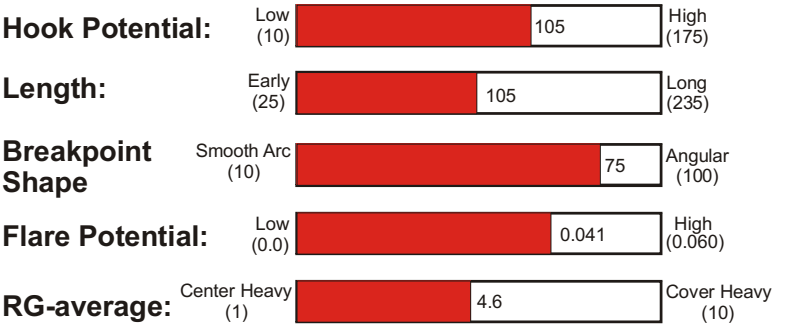
Brunswick Swarm - Reactive

Part Number
60-104910-93X
Coverstock
PowrKoil 18™- Reactive
Color: Black Pearl / Yellow Pearl
Hardness: 76-78
Glow Engraving
Factory Finish
High Gloss Polish
Core Dynamics @ 16#
RG Max: 2.571
RG Min: 2.530
RG Diff.: 0.041
Average RG: 4.6
Performance
Hook Potential: 105
Length: 105
Typical Breakpoint Shape: 75
Chart Position:L-11
Available Weights
10-16 Pounds



The ***Swarm*** combines a pearlized PowerKoil 18 coverstock with the new medium RG Honeycomb core to create a strong skid/snap ball reaction. With its pearlized surface the Swarm delivers good length on all but the driest lane conditions combined with a aggressive and angular breakpoint.

Technology

Aggressive Reactive Coverstock: PowrKoil 18 coverstock is a proven performer that has probably been on more bowling balls than any other Reactive coverstock in the bowling industry. PowrKoil 18 has been used on some of Brunswick's most successful balls including the Danger Zone, Red Alert and BVP Nemesis. Aggressive in the oil and strong off the dry, PowrKoil 18 is a perennial favorite among all styles of bowlers.

Medium RG Honeycomb Core: The Swarm uses Brunswick's new Multi-Sided Honeycomb Core System which incorporates a honeycomb of high and low density fillers to create an optimum medium RG match-up for length and angularity. The Swarm's medium RG helps push the ball through the mid-lane, creates a buzz at the breakpoint that stings the pins .

High Gloss Polish Finish: The Swarm is finished with Brunswick's High Gloss Polish Factory Finish. This finish works beautifully with PowerKoil 18 to create length and a angular back-end.

Utility

•**Out of the Box**: With its High Gloss Polish finish the Swarm will match up well on medium-oily to medium-dry lane conditions.
•**When dulled:** The Swarm's hooking action will increase and its arc will become more even, creating a better match-up for oily lane conditions and help blend the over/under reactions seen on wet/dry lane conditions.

Reaction Setup

The Swarm can be drilled using the standard drilling techniques developed for two-piece balls, see the included instructions for reaction characteristics and layout details.

The Swarm is finished with ***Brunswick's Factory Finish High Gloss Polish***. To bring your Swarm back to its original factory finish sand the surface to 400-grit then use Brunswick's ***Factory Finish High Gloss Polish.*** Available from your local Pro Shop.

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Maintaining Your Ball Reaction

Brunswick recommends the following procedures to maintain and restore your Brunswick ball's reaction characteristics:

--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 after restoring the original factory finish you feel your Brunswick ball has still lost some of its hooking action, 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. This service is available, for a fee, at many Pro Shops. Brunswick's 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.

--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.

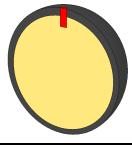
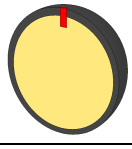
Note: Oil soaked balls tend to traction less in the oil and respond less to the dry boards on the lane. If you are matching-up using an oil soaked ball on wet/dry or broken down lane conditions, removing the oil from the ball will significantly change your match-up and possibly create undesirable over 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 0.040. 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							
RG-max.	2.571	2.583	2.602	2.625	2.648	2.771	2.802
RG-min.	2.530	2.542	2.562	2.585	2.608	2.769	2.800
RG-diff.	0.041	0.041	0.040	0.040	0.040	0.002	0.002

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