

# KARMA™ BLACK/BLUE SOLID

**AFP**<sup>®</sup>  
Affordable performance

## POWRKOIL™ 18 COVERSTOCK

**PowrKoil 18** coverstock is a proven performer in the bowling industry. Aggressive in the oil and strong off the dry, **PowrKoil 18** is a perennial favorite among all styles of bowlers. The **Karma Black / Blue Solid** uses a solid version of **PowrKoil 18** which provides more mid lane traction for a smooth continuous backend motion.

## CORE

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.

## BALL MOTION

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.

## REACTION SETUP

The **Karma** can be drilled using the standard drilling techniques developed for symmetric bowling balls.

## LIGHTWEIGHT ENGINEERING

At Brunswick, the unique core shape of each individual ball is used for weights from 12 to 16 pounds. This approach to lightweight ball engineering provides bowlers with consistent ball reaction characteristics across this weight range.



## SPECIFICATIONS

Hook Potential	Low(10)	<input type="range" value="120"/>	High(175)
Length	Early(25)	<input type="range" value="100"/>	Long(235)
Breakpoint Shape	Smooth Arc(10)	<input type="range" value="80"/>	Angular(100)
RG Differential	Low(0)	<input type="range" value="0.040"/>	High(.060)
RG Average	Center Heavy(1)	<input type="range" value="4.9"/>	Cover Heavy(10)

- Medium RG Performance Core
- PowrKoil 18 Coverstock
- 2-Color, Black/Blue Solid
- Hardness: 76-78
- 500 Siaair Micro Pad; Rough Buff; High Gloss Finish
- Chart Position: K-11
- Part No. 60-105337-93X



**16 LB    15 LB    14 LB    13 LB    12 LB    11 LB    10 LB**

<b>RG-MAX</b>	2.567	2.579	2.595	2.614	2.637	2.771	2.802
<b>RG-MIN</b>	2.527	2.539	2.555	2.574	2.597	2.769	2.800
<b>RG-DIFF</b>	0.040	0.040	0.040	0.040	0.040	0.002	0.002



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# MAINTAINING YOUR BALL REACTION

Micro finishing pads have revolutionized the bowling industry by creating smooth surface finishes that many bowlers would assume are polished with a wax or similar compound. These finishes create length similar to balls coated with compound finishes, however they perform far better in today's thicker oils and carrydown. In order to maintain and restore the reaction characteristic of your Brunswick bowling ball, Brunswick recommends the following:

1. To reduce oil absorption, clean your Brunswick ball with Brunswick Remove All or a similar ball cleaner after each use.
2. 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 and then use Brunswick Factory Finish High-Gloss Polish to restore the original factory finish on high-gloss polish balls. Sand to 220 grit, then use Brunswick Factory Finish Rough Buff to restore the original factory finish on rough buff balls. For dull balls, wet-sand with the abrasive listed on the product information sheet.
3. If there is a visible track on your ball ask your pro shop to refinish the ball using a Haus Resurfacing System or similar resurfacing machine to remove the track and restore the ball to its original factory finish.\*
4. If your ball has more than 50 games on it, you may be able to increase mid-lane and backend hooking action by removing oil from the coverstock. Remove the oil from the ball by cleaning it with Black Magic Rejuvenator or visit your pro shop to have it warmed in the Revivor Oil Extraction Unit.\* Brunswick testing has shown by combining the restoration of the factory finish, and the resurfacing of the track and oil removal, your Brunswick ball can maintain its original "out of the box" reaction for hundreds of games. CAUTION: Do not use a home oven to remove oil. Temperatures cannot be adequately controlled and the ball may crack.

5. Absorbent materials sold by other bowling ball manufacturers to remove oil can also be used on Brunswick bowling balls. Information to date indicates 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 track 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.

- \* The service is available, for a fee, at many pro shops.

For the most up-to-date product line information visit [brunswickbowling.com/balls](http://brunswickbowling.com/balls)