

SAPPHIRE BLUE ZONE

PART NUMBER

60-101933

CONSTRUCTION

16 pounds-3 component design, with 2 part compound core.*

12-15 pounds-4 component design, with 3 part compound core.*

*All Sapphire Blue Zones feature the "**Bismuth-Graphite Zone Nucleus**"
THE DENSEST MATERIAL EVER USED IN A BOWLING BALL

REACTION CHARACTERISTICS

The Sapphire Blue Zone features outstanding early recovery and a very strong backend reaction. These characteristics result in a huge hook potential that is best suited for medium to oily lanes.

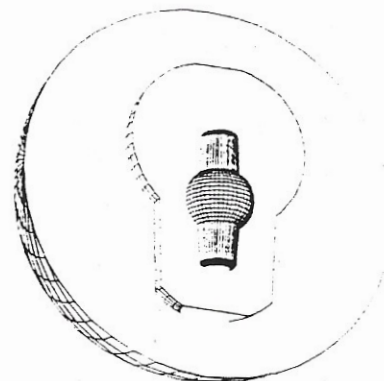
The "**PowrKoil 17**" Reactive is our latest generation reactive type coverstock, designed to maintain a more consistent performance profile in the face of an ever increasing range of lane conditioner viscosities. "**PowrKoil 17**" is less sensitive to high viscosity carry down which causes other balls to labor on the backend. "**PowrKoil 17**" is also less sensitive to lane condition breakdown in the heads, and smooth's out over reactions in the dry parts of the lane, resulting in a more consistent reaction over a wider range of lane conditions than other reactive coverstocks.

The **Bismuth-Graphite Zone Nucleus** is a 4.5 specific gravity entity which helps concentrate mass toward the center of the Sapphire Blue Zone. The **Bismuth-Graphite Zone Nucleus** is also drillable, unlike ceramic nuggets in other balls, to maximize drilling flexibility.

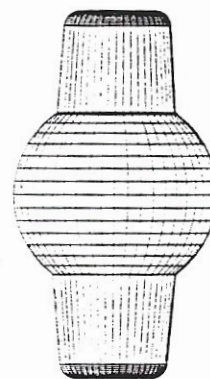
Together the **PowrKoil 17** coverstock and the **Bismuth-Graphite Zone Nucleus** combine to create:

1. Good skid through the heads (due to the PowrKoil coverstock)
2. Early recovery in the pine (due to the Bismuth-Graphite Zone Nucleus and center heavy construction)
3. Strong backend reaction (due to the PowrKoil coverstock and high track flare potential construction)

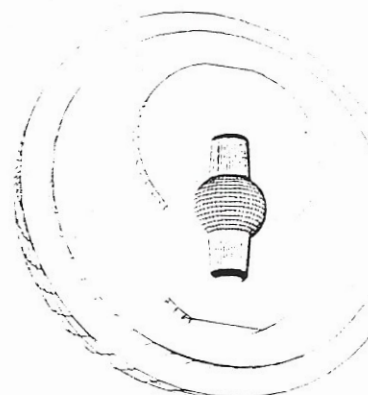
The Sapphire Blue tracks well in heavy oil and carrydown while maintaining good length through the heads, making it an outstanding ball for all but the driest lane conditions.



Sapphire Blue Zone 16 Pounds



Bismuth-Graphite
Zone Nucleus



Sapphire Blue Zone 12-15 Pounds

LIGHT WEIGHT DYNAMIC INTEGRITY

The Sapphire Blue Zone achieves an advanced degree of light weight dynamic integrity. By utilizing Computer Aided Design and compound core techniques originally developed by Brunswick, the Track Flare Potentials for the 12-15 pound Sapphire Blue Zone have been designed to match the 16 pound Sapphire Blue Zone.

SPECIFICATIONS

Reaction Characteristics

Hook Potential: 17.5-9.5 (Dull/Shiny)

Typical Length = 2.0

Typical Backend Reaction = 10

Mass Distribution

Center Heavy/Cover Heavy = 2.5

Track Flare Potential = 9.2

Coverstock

Zone "**PowrKoil 17"** Reactive

Hardness: 77-79

Lightly Polished

Construction

12-16 pounds

Pin-out: 0" to 5.5" ; 3" nominal. Distance is marked on each individual/four ball box.

NOTES ON DRILLING

All weights of the Sapphire Blue Zone can be drilled using techniques developed for two-piece balls (balls with a pin and a heavy spot). See Brunswick's "Seven Popular Layouts" for detailed drilling information.

The Sapphire Blue Zone has a very high Track Flare Potential. Balls with a high Track Flare Potentials can have problems with the track flaring over the balance hole. If a balance hole is to be used try to keep the pin no more than 1" above the line connecting the bowler's axis and the ring finger, also try to limit the distance of the balance hole used to no more than 1 1/2" past the bowler's axis.