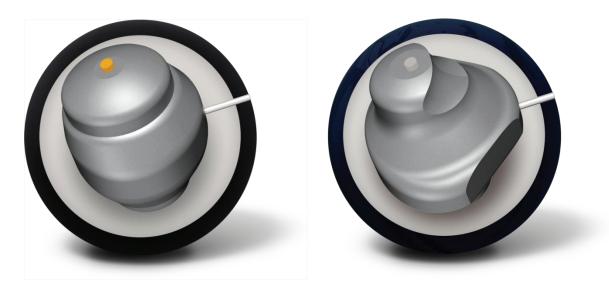


## SUGGESTED ASYMMETRICAL LAYOUTS



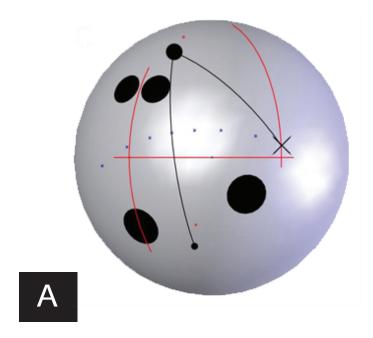
# Choose the layout for the desired ball motion and tune the surface as needed.

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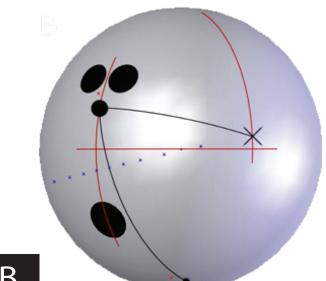
Suggested Asymmetrical Layouts

#### Length with Maximum Hit



#### Layout: 50 x 5" x 40 with P3 Hole

#### Length with Control



Layout: 70 x 5" x 75

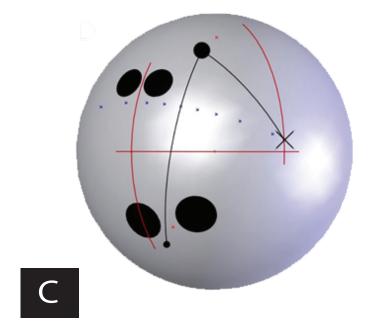
Β

Axis point used for these layouts is 5" over by 3/8" up. The dotted line shows the axis migration path of the drilled ball.



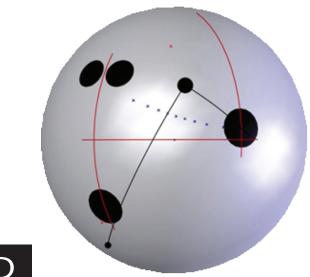
Suggested Asymmetrical Layouts (Continued)

#### Maximum Flare



### *Layout:* 65 x 4" x 30 with Double Thumb Hole

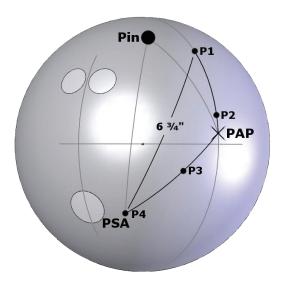
Less Hook with Big Hit



*Layout:* 90 x 2 1/4" x 50 with P1 Hole

D

Axis point used for these layouts is 5" over by 3/8" up. The dotted line shows the axis migration path of the drilled ball. **Balance Holes for Asymmetrical Layouts:** If, and when, a balance hole is needed, we recommend using the "Gradient Line Balance Hole System". The Gradient Line extends from the PSA to P1 passing through the PAP.



#### the Gradient Line Balance hole Change in Location Position **Ball Reaction** 6 <sup>3</sup>/<sub>4</sub>" from the **PSA** Weakens P1 on the VAL ball reaction **P2** Maintains 1/3 of the distance from the P1 to the PSA ball reaction Strengthens **P**3 2/3 of the distance from the P1 to the PSA ball reaction

PSA

Maximizes

ball reaction

Balance Hole Locations on

**Ball Surface & Cleaning:** RADICAL bowling balls are manufactured with a predetermined surface preparation. With the assistance of a qualified pro shop, sanding, scuffing, or smoothing the surface texture may be needed to optimize performance for different styles of players on different lane conditions. We cannot overemphasize the importance of regularly cleaning your **RADICAL** ball with a quality bowling ball cleaner IMMEDIATELY AFTER each use. Doing so will insure a more consistent reaction and maximize the life of your **RADICAL** bowling ball.

**P4** 

**Determining the Bowler's Initial Axis Tilt:** Initial Axis Tilt is best determined by measuring the distance across the bowler's initial ball track on the surface of the ball. A measurement of > 11 1/4" (< 12 degrees) indicates a high track bowler. A measurement of 10 1/4" to 11 1/4" (12 to 18 degrees) indicates a medium track bowler. A measurement of < 10 1/4" (> 18 degrees) indicates a low track bowler.