

GAME CHANGER!

More HOOK and More HIT = Higher Scores Watch it continue through the pins!

Choose the layout for the desired ball motion and tune the surface.

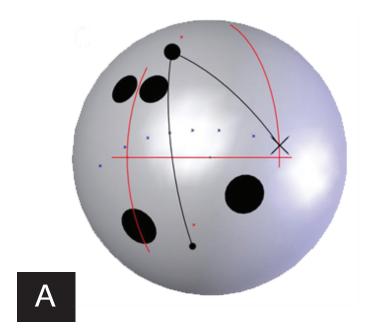
Guru Drilling Suggestions							
	Layout Specs	Low RG	Int Diff	Total Diff	Diff Ratio	RG PAP	
	Undrilled	2.507	0.018	0.046	0.39		
Α	Length with Maximum Hit 50° x 5 x 40° (P3 hole)		0.039	0.064	0.61	2.547	
В	Length with Control70° x 5" x 75°	-	0.023	0.030	0.74	2.529	
С	Maximum Flare 65° x 4" x 30° (Double Thumb)		0.050	0.075	0.67	2.538	
D	Less Hook with Big Hit 90° x 2 1/4" x 50° (P1 hole)	-	0.023	0.038	0.59	2.531	

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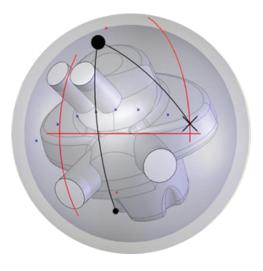


Suggested Asymmetrical Layouts

Length with Maximum Hit

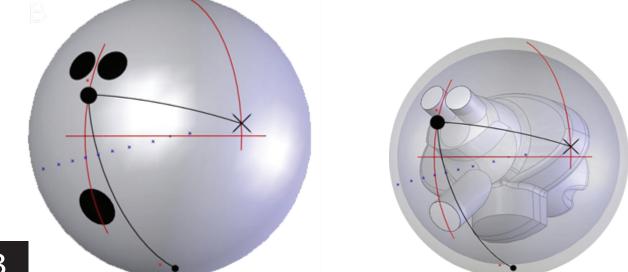


Layout: 50 x 5" x 40 with P3 Hole



Length with Control

Layout: 70 x 5" x 75



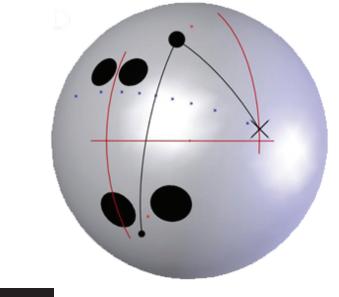
В

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.

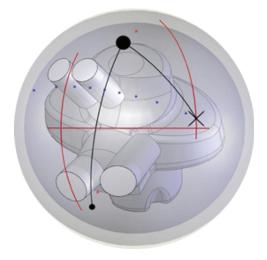


Suggested Asymmetrical Layouts (Continued)

Maximum Flare



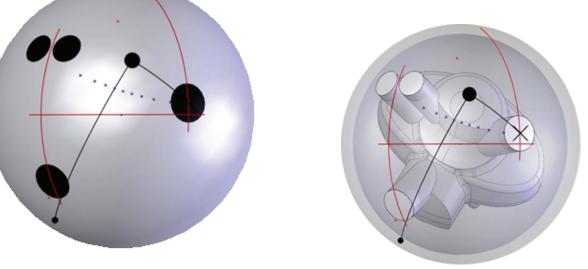
Layout: 65 x 4" x 30 with Double Thumb Hole





Less Hook with Big Hit

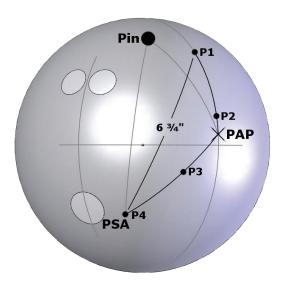
Layout: 90 x 2 1/4" x 50 with P1 Hole



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 Palanaa hala

Balance Hole Locations on

Balance hole Position	Location	Change in Ball Reaction	
P1	6 ¾" from the PSA on the VAL	Weakens ball reaction	
P2	1/3 of the distance from the P1 to the PSA	Maintains ball reaction	
P3	2/3 of the distance from the P1 to the PSA	Strengthens ball reaction	
P4	PSA	Maximizes ball reaction	

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 guality bowling ball cleaner IMMEDIATELY AFTER each use. Doing so will insure a more consistent reaction and maximize the life of your **RADICAL** bowling ball.

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.