



**Drilling Angles shown are for 5" PAP – Adjust for other PAPs**

<b>Incognito Drilling Chart</b>							
	<b>Layout</b>	<b>Layout Specs</b>	<b>Low RG</b>	<b>Int Diff</b>	<b>Total Diff</b>	<b>Performance Differential</b>	<b>RG PAP</b>
	<b>Undrilled</b>	<b>-</b>	2.487	0.017	0.053	0.056	
<b>A</b>	<b>Maximum Flip</b>	<b>Pin Over 70° x 3-1/2" x 20°</b>		0.027	0.060	0.066	2.501
<b>B</b>	<b>Most Versatile</b>	<b>Pin Over 45° x 4" x 35°</b>		0.022	0.054	0.058	2.510
<b>C</b>	<b>Smoother Motion</b>	<b>Pin Over 20° x 4-1/2" x 40°</b>		0.015	0.049	0.051	2.521
<b>D</b>	<b>Midlane Hook</b>	<b>Pin Under 40° x 4-1/4" x 75°</b>		0.017	0.043	0.046	2.514
<b>E</b>	<b>Smaller Hook</b>	<b>Pin Besides 90° x 2 1/4" x 45°</b>		0.011	0.027	0.029	2.490

This chart uses a 5" horizontal axis co-ordinate. Adjust the drilling angle for other horizontal co-ordinates. Always use the pin to PAP distance and VAL angle to get the desire ball motion.

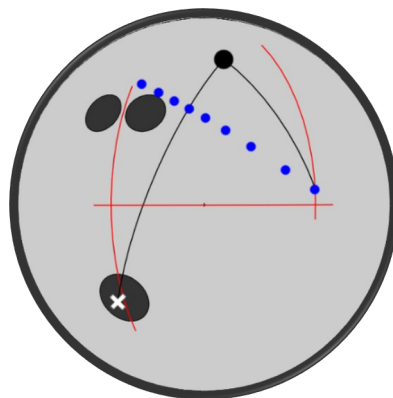
*"Performance Differential" is a term used to accurately describe the track flare of a ball. The TRUE amount of track flare of a drilled ball is related to both the intermediate and total differential of the drilled ball. The "Performance Differential" of the drilled ball measures the relationship between the intermediate and total differential to give an accurate measure of the amount of track flare in the drilled ball.*

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# Suggested Layouts for Asymmetric Cores

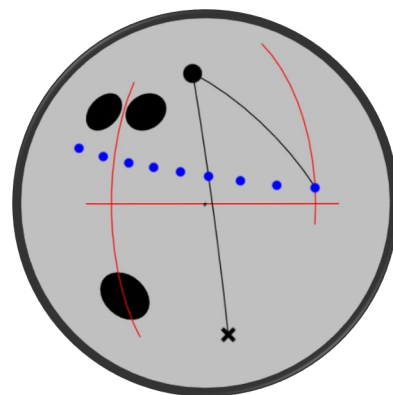
## A – Maximum Flip

**Pin Over**  
**70° x 3½" x 20°**



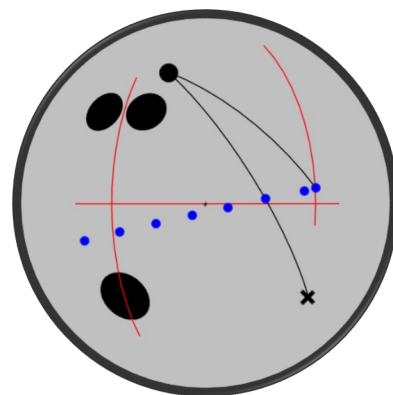
## B – Most Versatile

**Pin Over**  
**45 x 4" x 35°**



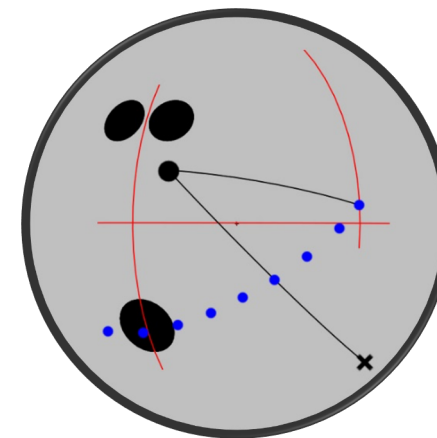
## C – Smoother Motion

**Pin Over**  
**20° x 4-1/2" x 40°**



## D-Midlane Hook

**Pin Under**  
**40° x 4 ¼" x 75°**



## E –Smaller Hook

**Pin Under**  
**90° x 2 ¼" x 45°**

