



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

## Pandemonium Drilling Chart

	Layout	Layout Specs	Low RG	Int Diff	Total Diff	Performance Differential	RG PAP
	Undrilled	-	2.487	0.001	0.053	0.053	
<b>A</b>	Maximum Flip	Pin Over 70° x 3-1/2" x 20°		0.011	0.061	0.062	2.508
<b>B</b>	Most Versatile	Pin Over 75° x 4" x 30°		0.011	0.058	0.059	2.514
<b>C</b>	Smoother Motion	Pin Over 80° x 4-1/2" x 40°		0.010	0.054	0.055	2.520
<b>D</b>	Smaller Hook	Pin Besides 90° x 2 1/4" x 45°		0.007	0.058	0.059	2.493

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

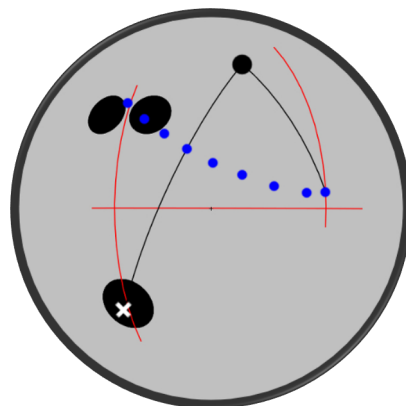
*"Performance Differential" is a term used to accurately describe the track flare of a ball. The TRUE amount of track flare of a drilled ball is related to both the intermediate and total differential of the drilled ball. The "Performance Differential" of the drilled ball measures the relationship between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

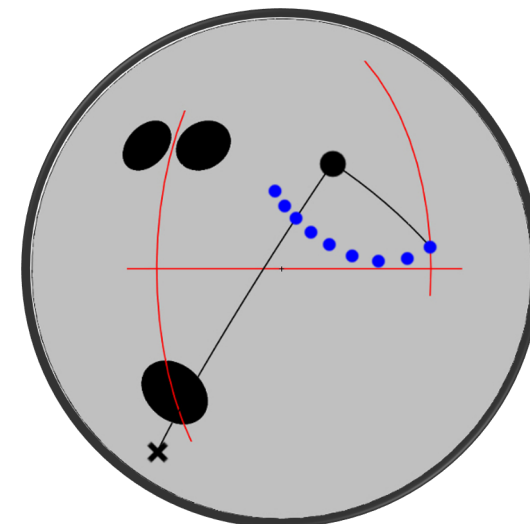
## A – Maximum Flip

*Pin Over*  
 $70^\circ \times 3\frac{1}{2}'' \times 20^\circ$



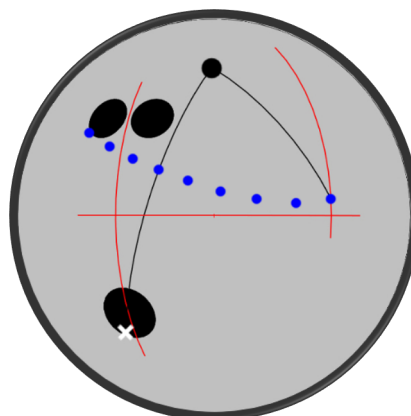
## D – Smaller Hook

*Pin Under*  
 $90^\circ \times 2\frac{1}{4}'' \times 45^\circ$



## B – Most Versatile

*Pin Over*  
 $75^\circ \times 4'' \times 30^\circ$



## C – Smoother Motion

*Pin Over*  
 $85^\circ \times 4\frac{1}{2}'' \times 40^\circ$

