

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

Conspiracy Theory Drilling Chart							
	Layout	Layout Specs	Low RG	Int Diff	Total Diff	Performance Differential	RG PAP
<b>A</b>	Undrilled	-	2.490	0.023	0.054	0.055	
	Maximum Flip	Pin Over 70° x 3 3/4" x 20°		0.033	0.058	0.069	2.512
	All Purpose	Pin Over 45° x 4 1/4" x 35°		0.028	0.052	0.062	2.522
	Smooth Hook	Pin Over 15° x 4 1/2" x 35°		0.018	0.046	0.053	2.531
	Length with Control	Pin Under 75° x 5" x 80°		0.016	0.041	0.048	2.516
	Total Control	Pin Over 90° x 2 1/4" x 45°		0.014	0.034	0.040	2.499
<b>F</b>	Maximum Flare	65° x 4" x 30° with balance hole		0.044	0.070	0.084	2.525

\*Layout F - Maximum Flare utilizes a balance hole and is not USBC compliant as of August 1, 2020

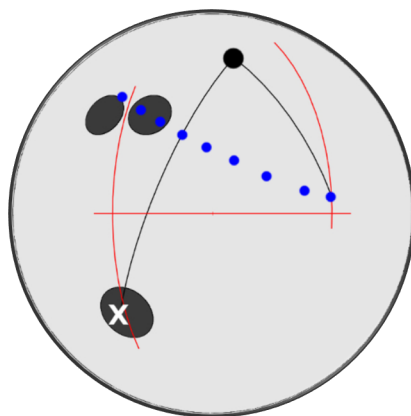
*“Performance Differential” is a term used to accurately describe the track flare of a ball. The TRUE amount of track flare of a drilled ball is related to both the intermediate and total differential of the drilled ball. The “Performance Differential” of the drilled ball measures the relationship between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

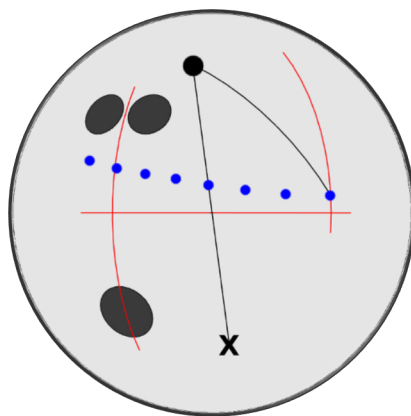
## A – Maximum Flip

**Pin Over**  
**70° x 3 ¾" x 20°**



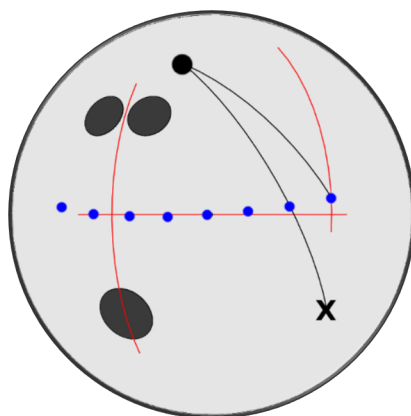
## B – All Purpose

**Pin Over**  
**45° x 4 ¼" x 35°**



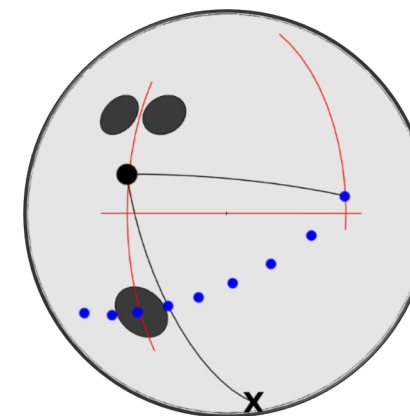
## C – Smooth Hook

**Pin Over**  
**15° x 4 ½" x 35°**



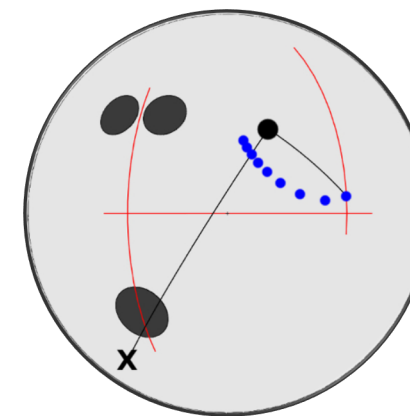
## D – Length with Control

**Pin Under**  
**75° x 5" x 80°**



## E – Total Control

**Pin Beside**  
**90° x 2 ¼" x 45°**



## F – Maximum Flare

**65° x 4" x 30°**  
**with balance hole**

**\*Not USBC Compliant**  
**as of August 1, 2020**

