

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

<b>Conspiracy 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>	-	2.487	0.021	0.056	0.060	
<b>A</b>	<b>Maximum Flip</b>	<b>Pin Over 70° x 3 3/4" x 20°</b>		0.031	0.060	0.067	2.509
<b>B</b>	<b>All Purpose</b>	<b>Pin Over 45° x 4 1/4" x 35°</b>		0.026	0.054	0.060	2.519
<b>C</b>	<b>Smooth Hook</b>	<b>Pin Over 15° x 4 1/2" x 35°</b>		0.016	0.048	0.051	2.528
<b>D</b>	<b>Length with Control</b>	<b>Pin Under 75° x 5" x 80°</b>		0.014	0.043	0.046	2.513
<b>E</b>	<b>Total Control</b>	<b>Pin Over 90° x 2 1/4" x 45°</b>		0.012	0.036	0.038	2.496
<b>F</b>	<b>Maximum Flare</b>	<b>65° x 4" x 30° with balance hole</b>		0.042	0.070	0.082	2.522

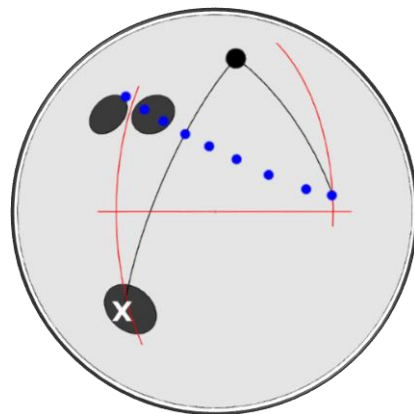
\*Layout F - Maximum Flare utilizes a balance hole and is not USBC compliant as of August 1, 2020

*“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.*

## Suggested Layouts for Asymmetric Cores

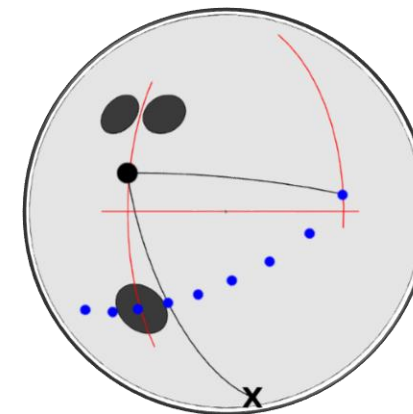
### A – Maximum Flip

**Pin Over**  
 $70^\circ \times 3 \frac{3}{4}'' \times 20^\circ$



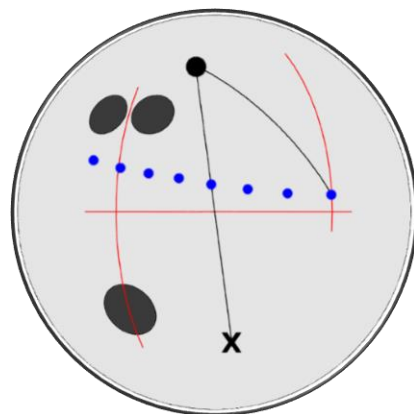
### D – Length with Control

**Pin Under**  
 $75^\circ \times 5'' \times 80^\circ$



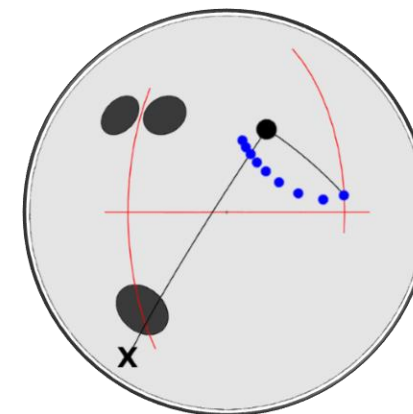
### B – All Purpose

**Pin Over**  
 $45^\circ \times 4 \frac{1}{4}'' \times 35^\circ$



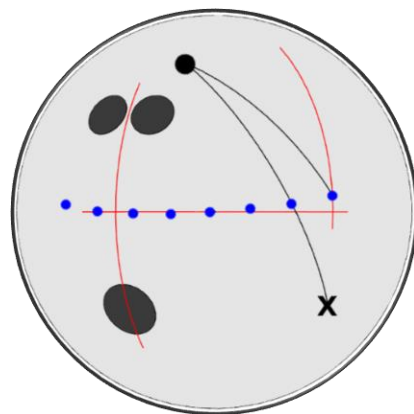
### E – Total Control

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



### C – Smooth Hook

**Pin Over**  
 $15^\circ \times 4 \frac{1}{2}'' \times 35^\circ$



### F – Maximum Flare

$65^\circ \times 4'' \times 30^\circ$   
*with balance hole*

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

