

Things to Remember!

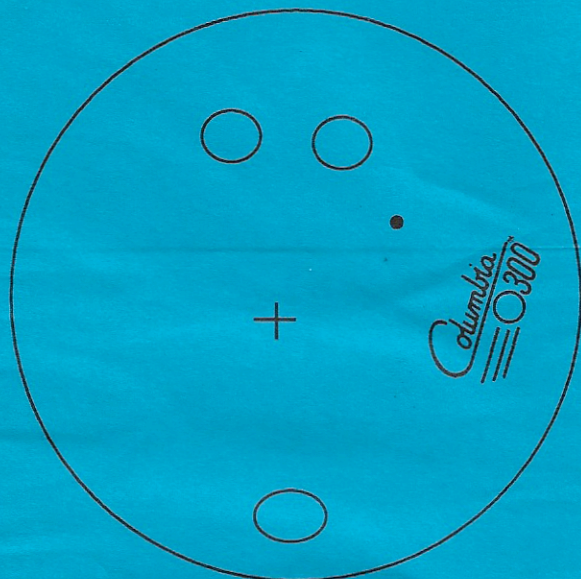
- Length and back-end reaction measurements (*relative to the lane conditions bowled on*) are based on the comparison of the other drillings - **1 being the least and 5 the most.**
- The most important factor in ball reaction is the **surface of the ball.** Be sure to match the right surface with the condition you are bowling on.
- All recommended starting top weights can range within (+/-) 1/2 oz.
- All ending weights should be within 1/4 oz. of the recommended weight.
- Pin location is defined as the distance the pin (center of core) is from the center of gravity (center of label).
- Recognize that all illustrations are shown for right-handers. They must be reversed for left-handers.
- The Piranha™/C can be drilled many different ways, these are just a few of the drillings that work best on a variety of lane conditions.
- For all drillings of the Piranha™/C, it is recommended to keep the pin above 3:00 in relation to the grip center, except for those players with spinners track.



Piranha™/C
C E R A M I C O R E™

Professional Drilling Tips

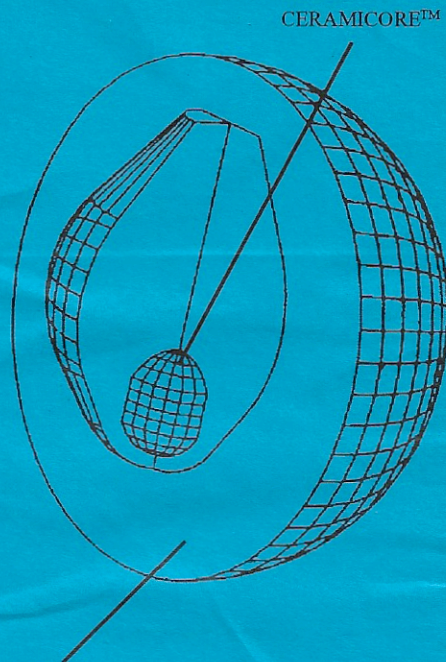
AXIS/LEVERAGE



LENGTH	TWO
BACKEND REACTION	THREE
STARTING TOP WEIGHT	2.5 or less
PIN LOCATION FROM CG	3" to 4"
ENDING WEIGHTS	1/2 positive
FLARE POTENTIAL	MEDIUM

For Axis/Leverage, position the CG and the balance hole on the positive axis point and position the pin at 2:00 in relation to the center of the grip. This drilling produces an early roll with a moderate back-end reaction. Axis/Leverage is best suited for wet/dry conditions and for those conditions with heavy oil in the heads and dry back-ends.

CERAMICORE™ CAUTIONS



FLEXCEL™G2 Coverstock

Do Not Drill
Balance Holes Deeper
Than 2-3/4"

Gripping Holes Can Be
Safely Drilled as Deep as 4",
Using Any Common
Drilling Pattern.

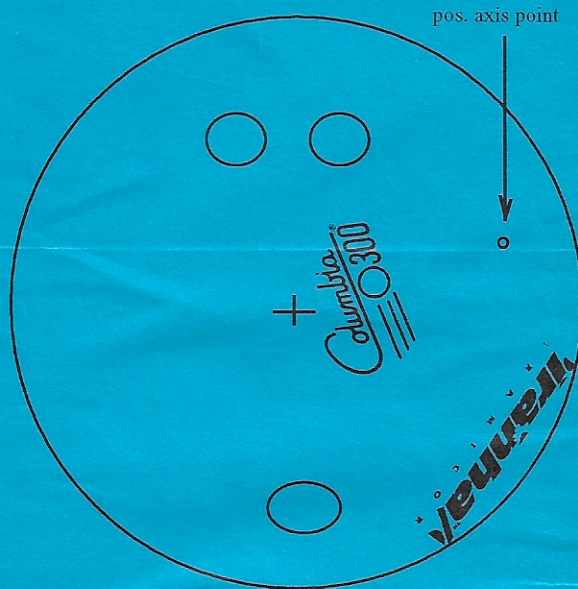
LABEL WEIGHT FINGER/POSITIVE



LENGTH	FIVE
BACKEND REACTION	FOUR
STARTING TOP WEIGHT	3.5 oz.
PIN LOCATION FROM CG	0 to 1"
ENDING WEIGHTS	1/2 pos, 1/2 fin
FLARE POTENTIAL	MEDIUM

This drilling pattern is recommended for early hooking conditions. Drilling the Piranha™/C on label produces a "loping" action which results in a later break point. Selecting a pin out for this pattern will create more flare which in turn produces more hook.

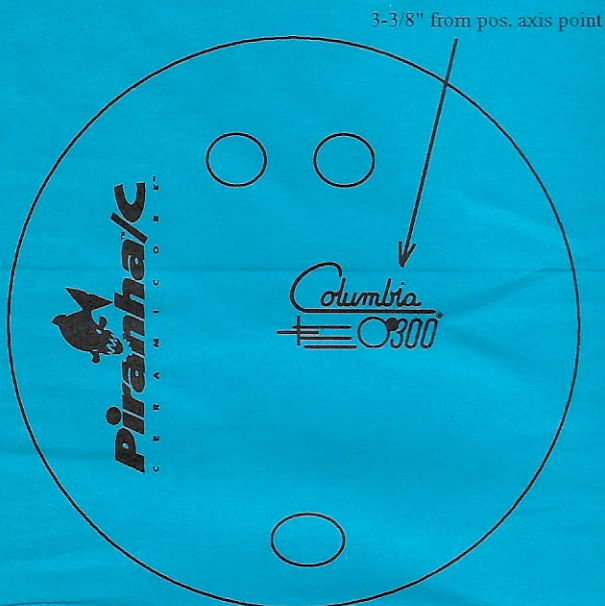
PIN IN CENTER OF GRIP



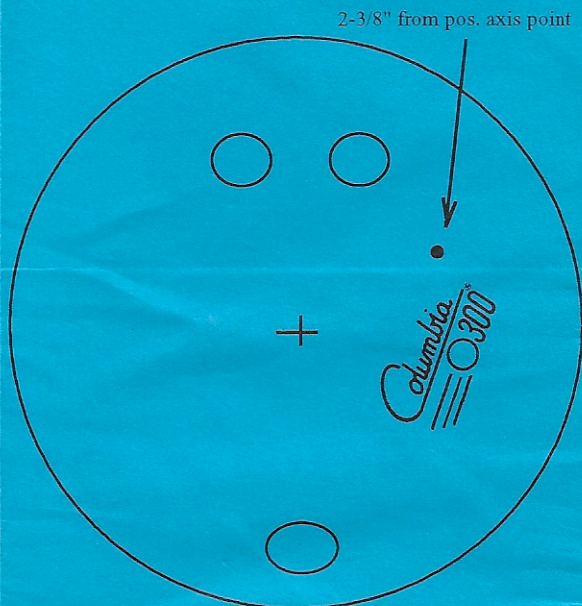
LENGTH	THREE
BACKEND REACTION	ONE
STARTING TOP WEIGHT	2.5 oz.
PIN LOCATION FROM CG	1" to 2-1/2"
ENDING WEIGHTS	- 1/2 negative
FLARE POTENTIAL	LOW

This drilling is accomplished by positioning the pin in the center of the grip, and the CG between the pin and the positive axis point. Remove enough positive side on the axis point to bring the ball back to 1/2 negative. Because this layout produces an even roll, it is best suited for hooking conditions with strong back-ends.

LEVERAGE WEIGHT



1" PAST LEVERAGE WITH 8" HOLE



LENGTH	FOUR
BACKEND REACTION	FOUR
STARTING TOP WEIGHT	3.0 oz.
PIN LOCATION FROM CG	0 to 1"
ENDING WEIGHTS	1/2 positive
FLARE POTENTIAL	HIGH

Leverage weight is accomplished by positioning the pin and CG 3-3/8" from the positive axis point. Drill the balance hole on the positive axis point. Due to this pattern's high flare potential, it may be necessary to select a pin 1" out and position it at 12:00 in relation to the CG (label area). This will prevent the track from crossing over the finger holes for those players with a high track. Use leverage weight on conditions with a heavy concentration of oil in the pine area.

LENGTH	THREE
BACKEND REACTION	FIVE
STARTING TOP WEIGHT	3.0 oz.
PIN LOCATION FROM CG	1" to 2"
ENDING WEIGHTS	1/2 positive
FLARE POTENTIAL	HIGH

To layout this pattern, position the pin at 12:00 from the CG; then position the CG 2-3/8" from the positive axis point. The balance hole is placed 8" from the center of the grip. This pattern produces maximum flare which is ideal on most oily conditions. The drilling is best suited for the straighter players. The balance hole should not exceed 2-1/2" deep due to the position of the ceramic.