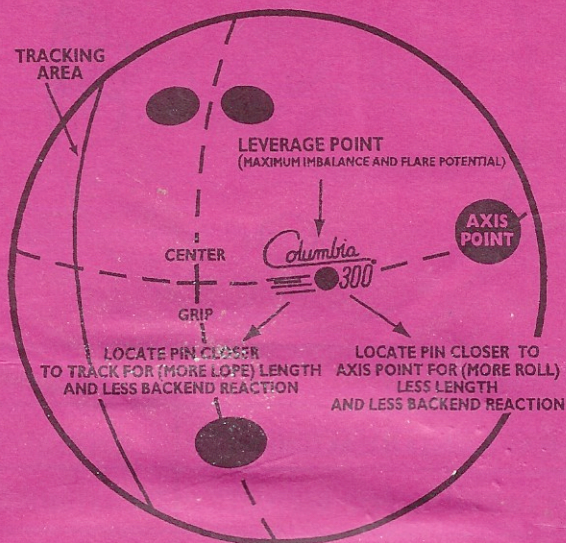




C E R A M I C O R E™

Professional Drilling Tips

ADJUSTING BALL PERFORMANCE BY CHANGING PIN LOCATION

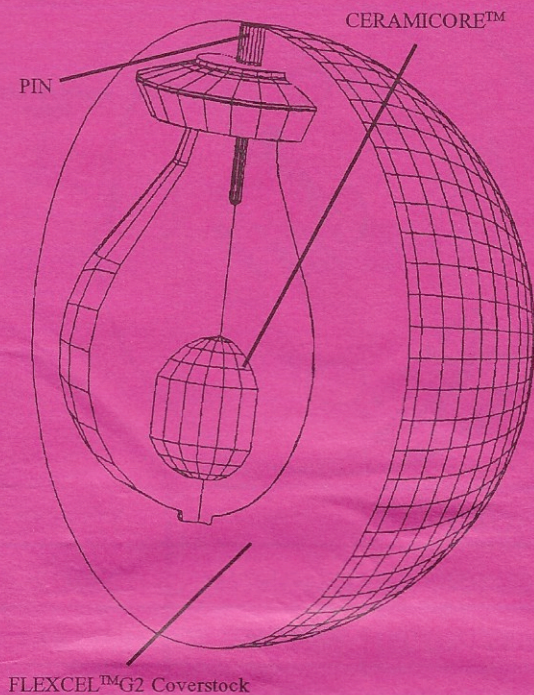


To further explain the above illustration... if a player was lined-up on a particular lane condition using leverage weight, remaining on that same condition and line-up position:

1. If he were to use a ball with a pin located closer to the track, the ball would go longer, resulting in a later break point and less back-end reaction.
2. If he were to use a ball with a pin located closer to the axis point, or further from the track, it would result in an earlier break point, producing less back-end reaction.

CERAMICORE™

CAUTIONS



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.**

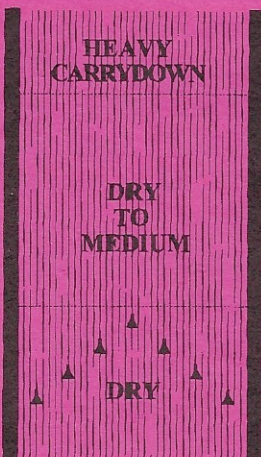
Things to Remember!

- 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 Cuda™/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 Cuda™/C, it is recommended to keep the pin above 2:00 in relation to the grip center, except for those players with a spinner track.

LABEL WEIGHT FINGER/POSITIVE

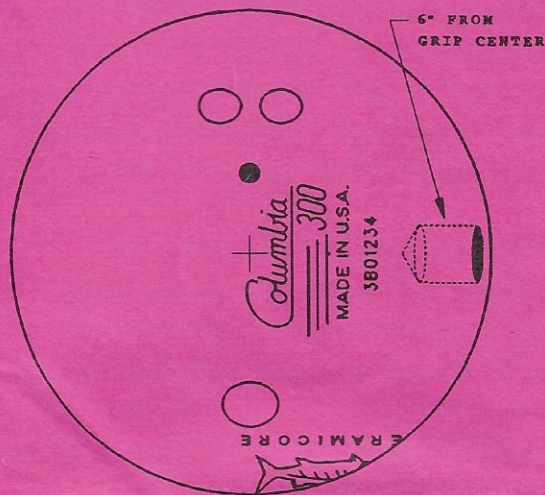


LENGTH	FIVE	FOUR
BACKEND REACTION	FIVE	FOUR
STARTING TOP WEIGHT	3.5 oz.	
PIN LOCATION FROM CG	<i>0 to 1"</i>	<i>1" to 2"</i>
ENDING WEIGHTS	1/2 pos-1/2 fing	
FLARE POTENTIAL	MED.	HIGH

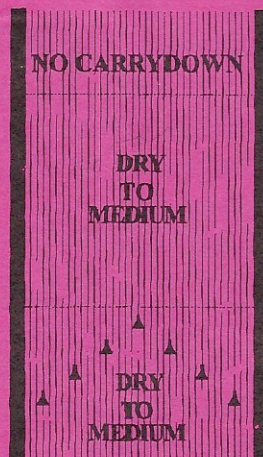


This drilling pattern is recommended when playing a deep inside line or when the heads and pine area break down and the oil has carried down to the back-ends. Select a pin out when desiring more hook and flare potential. *(As indicated in the chart above.)*

PIN ON GRIP LINE

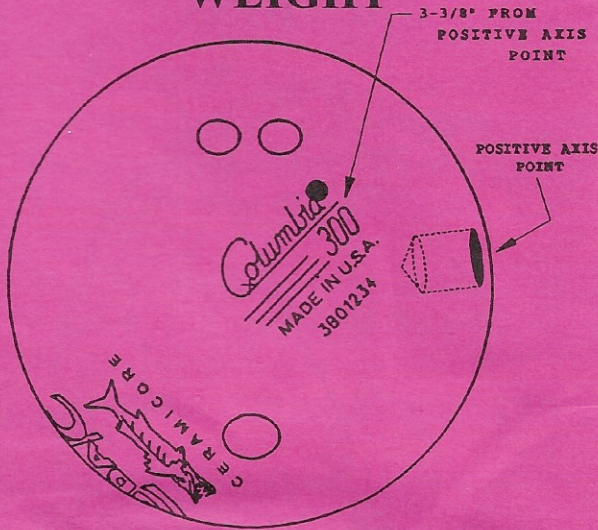


LENGTH	FOUR	
BACKEND REACTION	TWO	
STARTING TOP WEIGHT	3.0 oz.	
PIN LOCATION FROM CG	2" to 3"	
ENDING WEIGHTS	1/2 positive	
FLARE POTENTIAL	LOW	

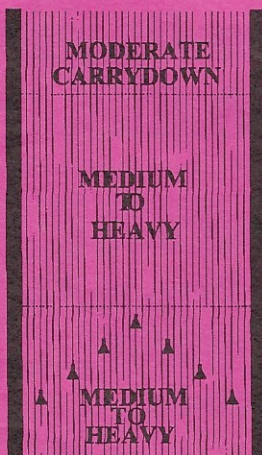


This drilling is accomplished by placing the pin on the grip line below the fingers and the CG at 3:00 from the center of grip. It is recommended for hooking conditions. When using a duller surface, it can be effective on wet/dry conditions.

LEVERAGE WEIGHT

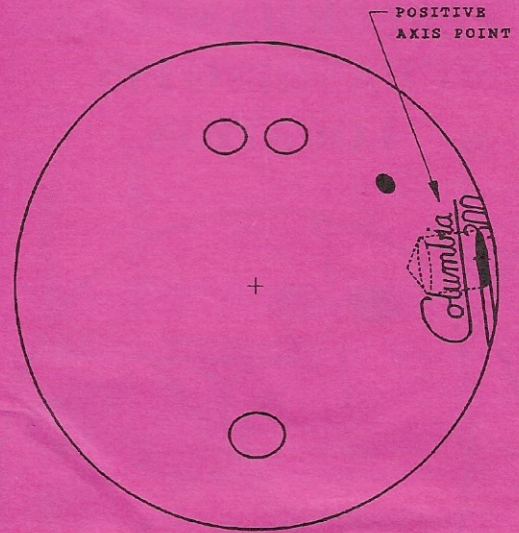


LENGTH	THREE
BACKEND REACTION	FOUR
STARTING TOP WEIGHT	3.0 oz.
PIN LOCATION FROM CG	1" to 2"
ENDING WEIGHTS	1/2 positive
FLARE POTENTIAL	HIGH

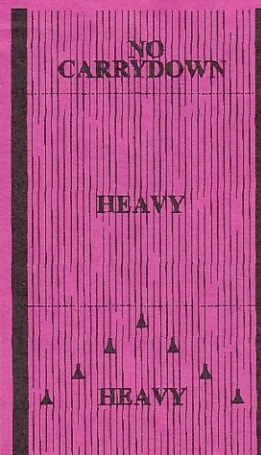


Leverage weight is accomplished by placing the pin and CG 3-3/8" from the positive axis point. Due to this pattern's high flare potential, it is necessary to select a pin 1" to 2" out and position it approximately 12:00 from the CG. This will prevent the track from crossing over the finger holes. This pattern is recommended for oily conditions.

AXIS/LEVERAGE



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



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 moderate backend reaction. Axis/Leverage is best suited for wet/dry conditions and for those conditions with heavy oil in the heads and dry backends.