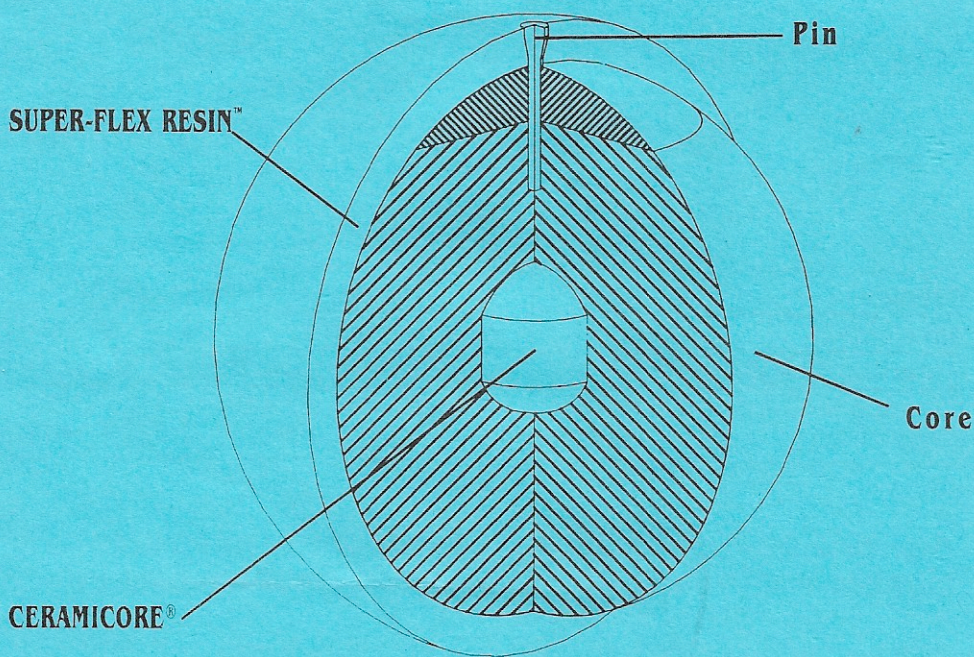


Professional drilling instructions for:

SHADOW/C™

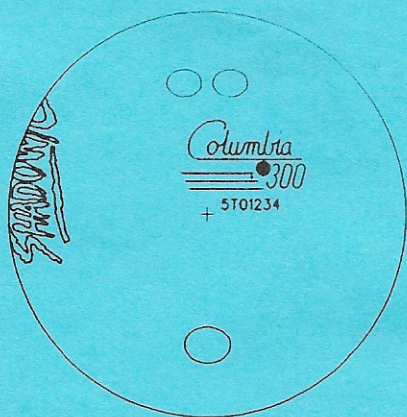


Columbia
300

COLUMBIA 300

Columbia bowls the world over.™

LABEL WEIGHT FINGER POSITIVE

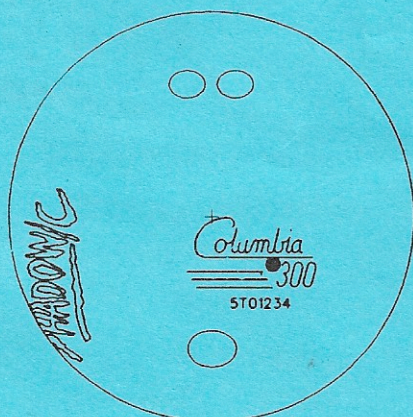


Heads	DRY
Backends	DRY to MED
Starting Top Wt.	3-3.5 oz.
Ending Weights	1/2 Positive 1/2 Finger

Note: Dave Smart uses this drilling frequently on the PBA tour.

With his high-hooking roll, this drilling gives Robert good length and flip on drier conditions. This drilling is very effective when needing extra skid in the head and pine area, which will then produce more energy for the ball to hook on the backend.

LABEL WEIGHT THUMB POSITIVE

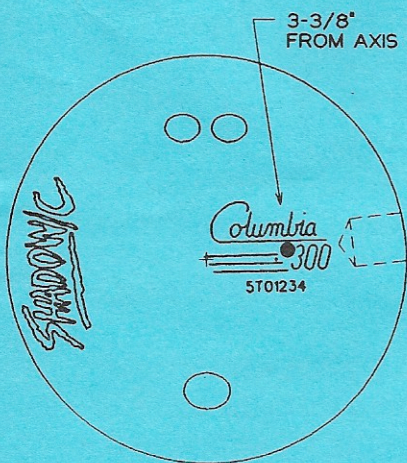


Heads	MEDIUM
Backends	DRY
Starting Top Wt.	2-3 oz.
Ending Weights	1/2 Positive 1/2 Thumb

Note: This is Marshall Holman's favorite drilling.

With his lower roll and soft speed, this layout gives Marshall an even and controllable arc on medium oil conditions. This drilling is best for those bowlers with lower 3/4 rolls, as thumb weight will raise your track towards the finger holes.

LEVERAGE WEIGHT

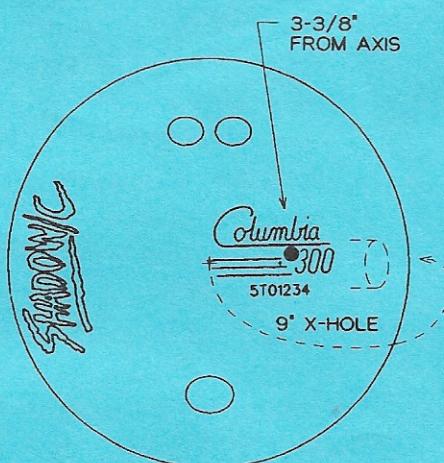


Heads	OILY
Backends	MEDIUM
Starting Top Wt.	2.5-3.5 oz.
Ending Weights	1/2 Positive 0-1/2 Finger

Note: Dave Husted uses leverage weight when having to play a deep inside line.

Leverage weight is best for those players who don't rev the ball a lot or are forced to play a deep inside line on oily conditions. By making the extra hole larger or deeper (reducing positive side) you will decrease the length and flip of leverage weight. Ending side weights of less than 0 is known as negative leverage.

LEVERAGE WEIGHT WITH 9" HOLE



Heads	OILY
Backends	OILY
Starting Top Wt.	2.5-3 oz.
Ending Weights	1/2 Positive 1/2 Finger

Note: David Ozio often uses this layout when needing extra hook on the backends while competing on oilier conditions so often used on the PBA Tour.

Drilling the extra hole 9" from the center of span creates flare in the track which in turn creates more hook. **This drilling is not recommended for those players tracking extremely close to the finger holes.**

THINGS TO REMEMBER!

- 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 + or - 1/2 ounce.
- All ending weights can vary within 1/4 ounce of what is recommended.
- All three piece balls can be drilled many different ways, these are just a few of the drillings that work best on a variety of lane conditions.
- Recognize that all illustrations are shown for right-handers. They must be reversed for left-handers.
- **DO NOT DRILL HOLES DEEPER THAN 2³/₄" TO AVOID HITTING CERAMICORE®.**

**Illustration is a high 3/4 track,
leverage weight, 3 piece ball**

