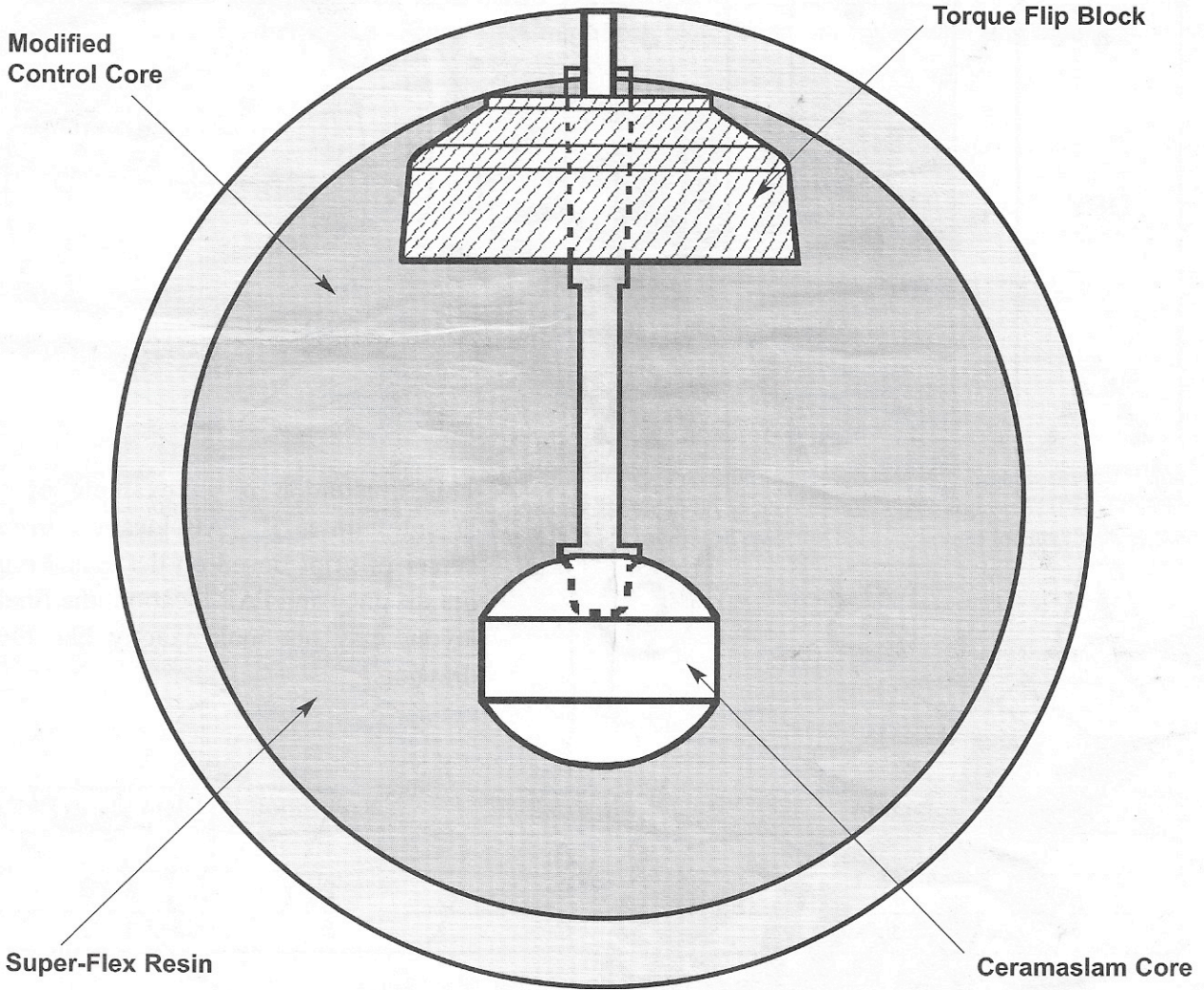


# THE KICK



This Drill sheet is designed to be used as a quick reference chart for determining the optimum drill pattern by matching drilling styles to specific lane conditions.



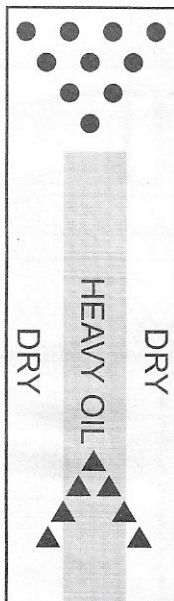
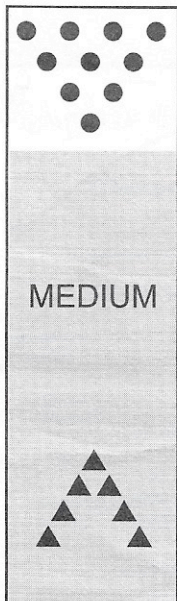
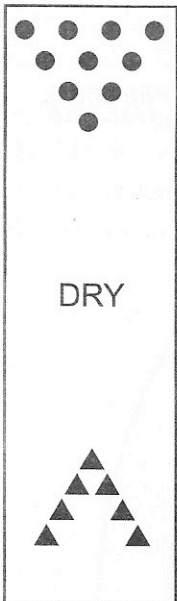
# Suggested Drilling Patterns

## Common Lane Conditions

Dry Lane House Condition

Gutter to Gutter House Condition

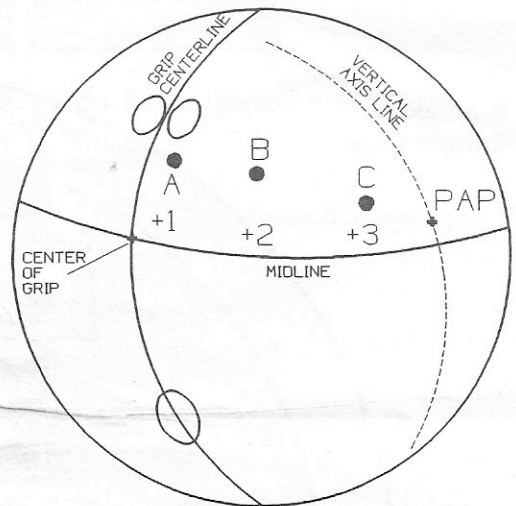
Wet/Dry House Condition



### PAP-Positive Axis Point

• Pin Positions: A, B or C

C.G. Positions: 1,2,3



This illustration is an example of a layout with a 5" PAP location from center of grip. Based on the actual pin out distance and PAP location, the final layout may not look exactly like the drawing.

# A

# B

# C

Ball Reaction	Pin Position	C.G. Position	Distance to PAP
Length Drillings	A	1	5"
Leverage Drilling max flare	B	2	3 3/8"
Axis or roll drilling	C	3	1 1/2"

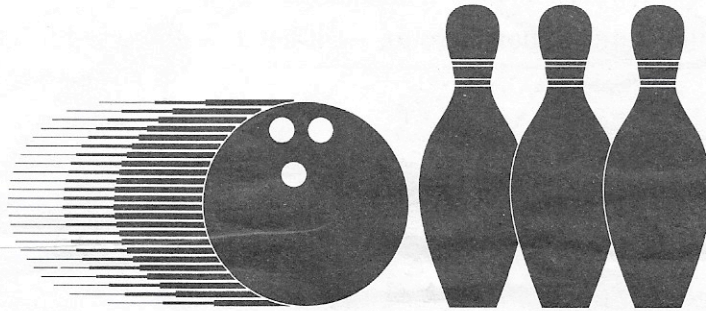
C.G. is defined as center of gravity.

Preferred Lane Condition	Pin Position	C.G. Position	Distance from Pin x C.G. to PAP	Front End Reaction	Back End Reaction	Flare 1=Min 10=Max
Dry	A	1	5" x 5"	Max. Length	Smooth Curve	5
Dry	A	1	5" x 3 3/4"	Max. Length	Strong Hook	5

Preferred Lane Condition	Pin Position	C.G. Position	Distance from Pin x C.G. to PAP	Front End Reaction	Back End Reaction	Flare 1=Min 10=Max
Medium	B	1	3 3/8" x 5"	Max. Length	Smooth Curve	7
Medium	B	2	3 3/8" x 3 3/8"	Max. Length	Strong Hook	10
Medium	B	3	3 3/8" x 1"	Max. Length	Roll	7

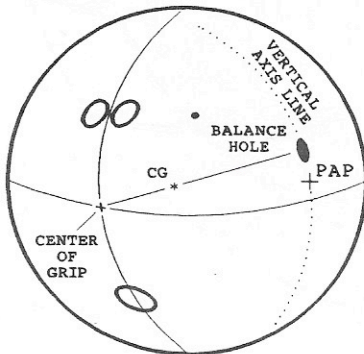
Preferred Lane Condition	Pin Position	C.G. Position	Distance from Pin x C.G. to PAP	Front End Reaction	Back End Reaction	Flare 1=Min 10=Max
Extreme Wet-Dry	C	3	1" x 1"*	Early Roll	Roll or Arc	1

**\*Caution: A bowler with a higher track might roll over the finger holes with this layout.**



If balance holes are required, they should go on a line drawn from the center of the grip through the C.G. and located at the intersection with vertical axis line. Balance hole can be located up to 2" past the vertical axis line to increase reaction but use caution because the flared ball track might roll over the balance hole if located beyond the vertical axis line.

Example:





The Kick series of balls are medium-high RG with a medium differential (.043). The core features AMF's Ceramaslam core with a large torque flip block. The Kick is designed to produce good length, medium mid lane reaction and continuation on the backend. The coverstock is Super-Flex reactive and can be shined or sanded to control the break point on a variety of conditions.

## Things to Remember

1. Any of the drillings can be drilled back to negative side-weight for earlier roll and less backend.
2. C.G. is defined as center of gravity.
3. PAP is defined as Positive Axis Point.
4. Recognize that all illustrations shown are for right-handers. Reverse for left-handers.