

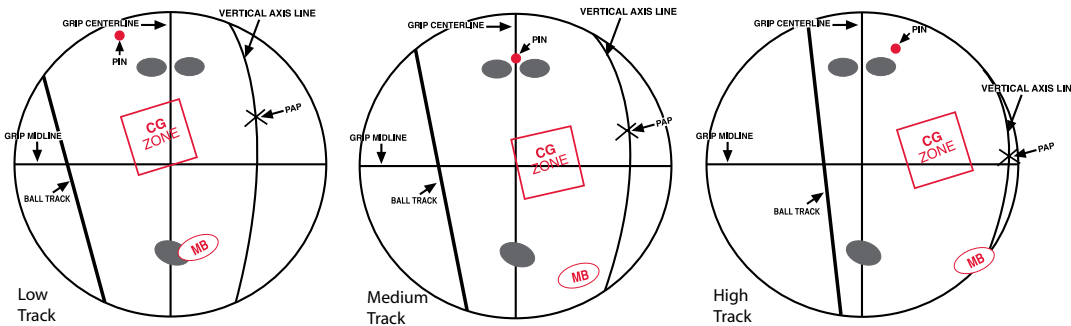


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## Asymmetric Core Drilling Instructions

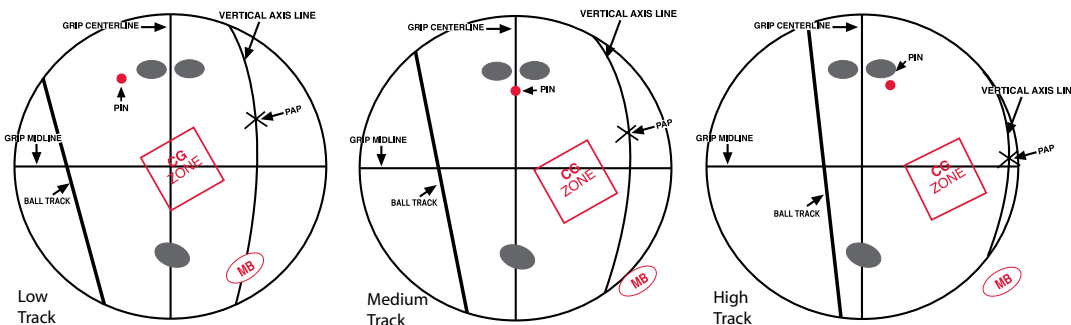
### Drilling #1 - Skid/Flip Layout

- Ball Motion:** Length with sharp breakpoint and aggressive backend
- Lane Condition:** Medium to Heavy Oil
- Flare Potential:** Medium
- Pin Placement:** Place pin at 5½" from the positive axis point (PAP)
- Mass Bias:** Place mass bias in the strong position
- Balance Hole:** If needed, place balance hole at 4" from the center of span on a line through the center of gravity.



### Drilling #2 - All Purpose Layout

- Ball Motion:** Length with controllable breakpoint
- Lane Condition:** Medium Oil
- Flare Potential:** Medium
- Pin Placement:** Place pin at 5" from the positive axis point (PAP)
- Mass Bias:** Place mass bias near the vertical axis line
- Balance Hole:** If needed, place balance hole at 4" from the center of span on a line through the center of gravity.



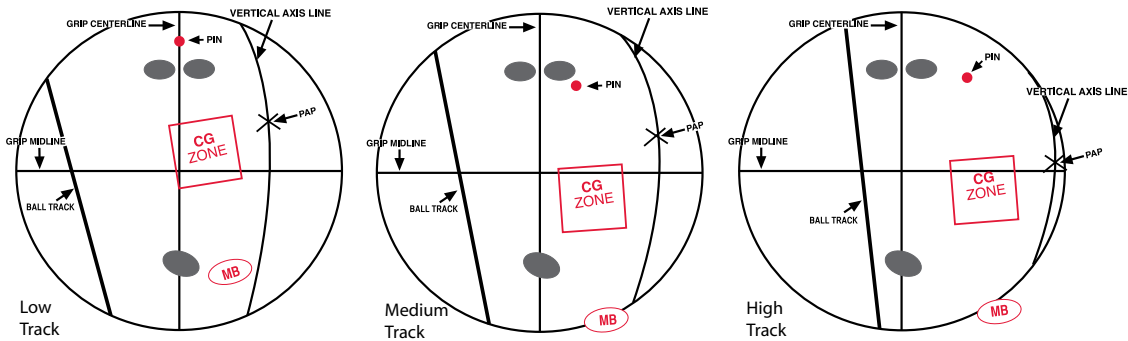
Illustrations shown are for Right-Handed Bowlers. Please reverse for Left-Handed Bowlers



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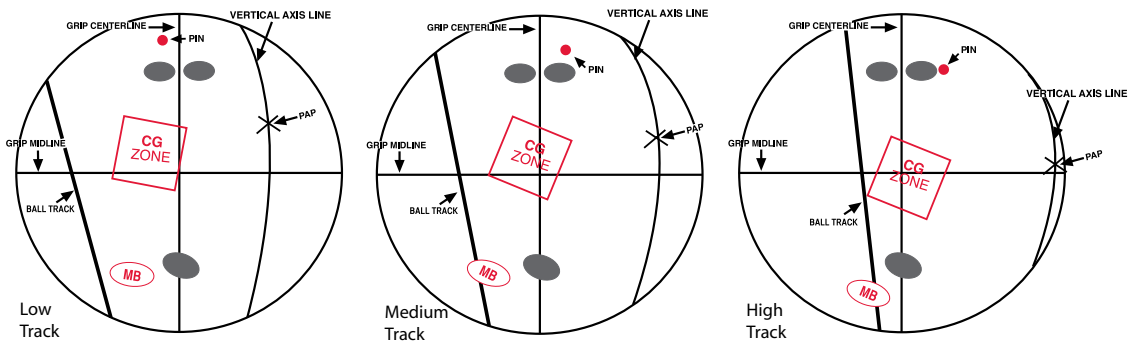
**Drilling #3 - Strong Layout**

**Ball Motion:** Strong and controllable hook  
**Lane Condition:** Heavy Oil  
**Flare Potential:** High  
**Pin Placement:** Place pin at 4" from the positive axis point (PAP)  
**Mass Bias:** Place mass bias in the strong position  
**Balance Hole:** If needed, place balance hole at 4" from the center of span on a line through the center of gravity.



**Drilling #4 - Label Layout (Smooth Arc)**

**Ball Motion:** Excellent length with smooth arc  
**Lane Condition:** Medium Oil  
**Flare Potential:** Medium  
**Pin Placement:** Place pin at 4½" from the positive axis point (PAP)  
**Mass Bias:** Place mass bias near the ball track  
**Balance Hole:** If needed, place balance hole at 4" from the center of span on a line through the center of gravity.



Illustrations shown are for Right-Handed Bowlers. Please reverse for Left-Handed Bowlers

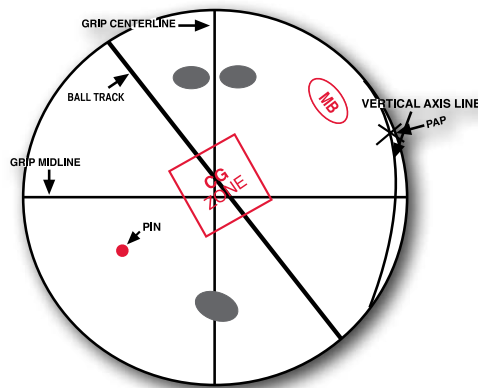


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### Drilling #5 - Full-Roller Layout

#### **Full-Roller Ball Track Only!**

- Ball Motion:** Strong arc  
**Lane Condition:** Medium to Heavy Oil  
**Flare Potential:** High  
**Pin Placement:** Place pin at 3½" from the center of the span located in 7:30 position  
**Mass Bias:** Place mass bias in 2:30 position relative to the center of the span



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P.O.Box 746  
Hopkinsville, KY 42241-0746  
1-800-453-2158  
[www.hammerbowling.com](http://www.hammerbowling.com)

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