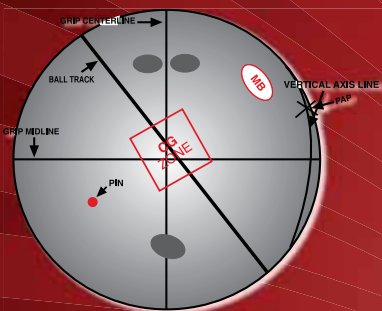


Drilling #5 - Full-Roller Layout

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



More information can be obtained by going to www.columbia300.com and visiting the tech docs section for more details on drilling and technical information.

Thanks for choosing one of the best brands in bowling, and remember we're here when you have questions or need help; our support line is ready with trained professionals to assist you in optimizing your bowling experience. The support line number is 316-209-9035.



Columbia bowls the world over.®

P.O. Box 746
Hopkinsville, KY 42241-0746
1-800-531-5920
www.Columbia300.com

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



Columbia bowls the world over.®

Mass Bias Drilling Instructions

Columbia 300 Mass Bias balls are designed to provide length and backend reaction for a wide variety of bowling styles. Overall, bowlers can expect to see excellent all-purpose ball motion with more entry angle to the pocket and improved hitting power.

High Mass Bias cores, provide excellent drilling versatility by placing the pin and mass bias in different configurations. When drilling a High Mass Bias ball, the placement of the Mass Bias will have a significant impact on changing the breakpoint shape and overall ball motion.

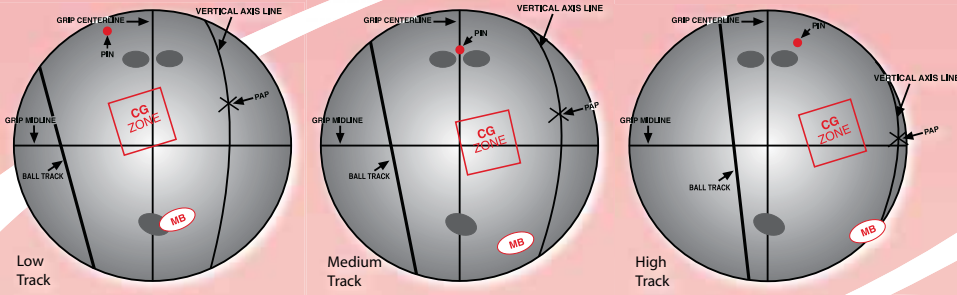
Columbia 300 Ball Motion Versatility:

The coverstock used on this ball will provide good length and strong backend reaction. However, it is important to keep in mind that all bowlers have different needs. The coverstock can easily be sanded to a rougher grit for stronger hook motion in oil or polished for more length, more aggressive breakpoint and less total hook. Please consult your pro shop operator for additional assistance in tuning ball motion.

Columbia 300 Ball Care:

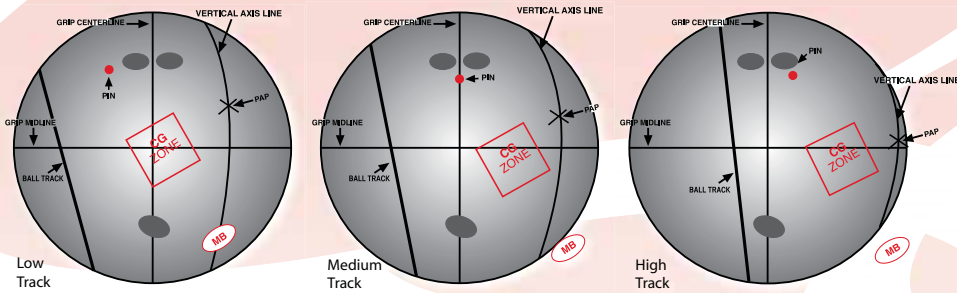
It is imperative to maintain your new Columbia 300 ball by cleaning the coverstock immediately after each bowling session using bowling ball cleaning products designed for reactive balls. Columbia 300 highly recommends POWERHOUSE ENERGIZER BALL CLEANER applied with a micro-fiber towel to remove the dirt and oil from the surface of the ball.





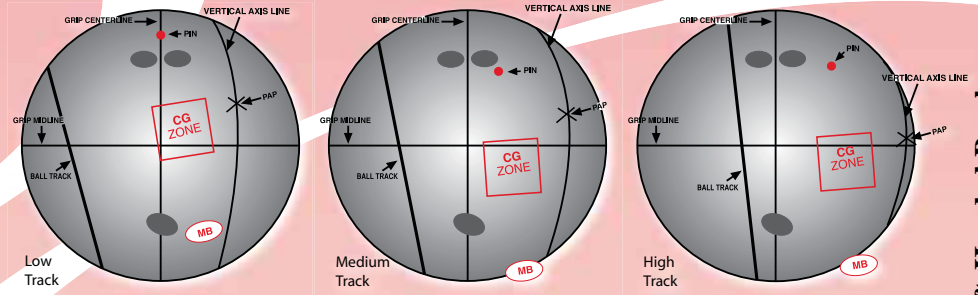
Drilling #1 - Skid/Flip Layout

- 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.



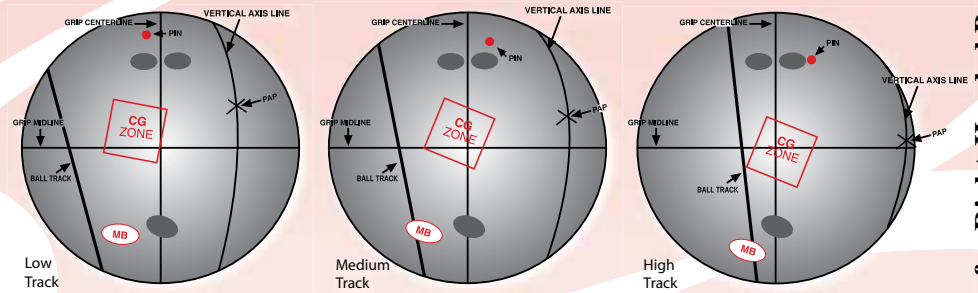
Drilling #2 - All Purpose Layout

- 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.



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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