The drilling instructions included are one type of layout simplified for two different styles of player. This was done to make drilling Mass Bias Balls easy for everyone to understand. Both drilling instructions require the use of a Bowler’s Positive Axis Point and are illustrated with step by step instructions. The coverstock and core of Track products have been designed to give aggressive ball reaction with the recommended drilling instructions so don’t make it harder than it has to be, follow the drilling instructions. If you need to adjust the ball reaction after the ball is drilled, check out Abralon pads as adjusting the surface of the ball can change the reaction by as much as two arrows!!! If you are a technical type of guy and we know some of you are, then you need to go to the website for the technical drilling instructions. The website [www.trackbowling.com](http://www.trackbowling.com) has additional drillings as well as educational information on trick layouts and some special layouts for certain styles of players.

The illustrations of the drill patterns show the Pin, CG (Center of Gravity), Mass Bias, and Grip Centerline. The recommended layouts give pin and mass bias locations. The CG may vary in location and as a result the weight hole location may need to be adjusted. The recommended placement for the weight hole assumes the Pin, CG, and Mass Bias are all in line. The drilling instructions shown are for right handed bowlers. Reverse the drill instructions for left handed bowlers. The drilling instructions apply for 10 to 16 lb. balls.
Mass Bias Drilling Diagrams

Follow these steps to achieve the recommended layout with a bowler’s horizontal PAP coordinate of **greater than or equal to 4 inches.**

1. Draw a 180 degree arc 2 inches away on the left side of the Mass Bias.
2. Draw a line from the center of the pin tangent to the Mass Bias Arc.
3. Place the center of the grip such that the finger holes are 1 inch away from the pin.
4. If needed place a weight hole 4 inches over and 2 inches up and drill the ball back to statically legal.

Tip: A Ball that has a 0 to 2 inch pin out consider drilling the ring finger deeper to remove excessive finger weight.

**Recommended Layout –Aggressive Hook Motion**

**STEP 1**

**STEP 2**

**Ball Motion Key**
- Black Line – Low Rev
- Orange Line – Med Rev
- Yellow Line – High Rev

**STEP 3**

**STEP 4**
Follow these steps to achieve the recommended layout with a bowler’s horizontal PAP coordinate of **less than 4 inches**.

1. Draw a 2 inch arc along the left side of the Mass Bias
2. Draw a 1.5 inch arc along the right side of the Pin
3. Draw a line tangent to both the Mass Bias and the Pin Arcs.
4. Place the center of the grip such that the finger holes are next to or below the pin.
5. If needed place a weight hole 4 inches over and 2 inches up and drill the ball back to statically legal.

A Tip: If you have a 0 to 2 inch pin out ball, consider drilling the ring finger deeper to remove excessive finger weight.

**Recommended Layout – Aggressive Hook Motion**

**STEP 1**

**STEP 2**

The use of these products is the ONLY way to restore your Track bowling ball to its original factory condition.

**STEP 3**

For more information visit

www.trackbowling.com

**STEP 4**
Drilling # 2 – Full-Roller Leverage Layout
For Full-Roller Ball Track Only
Pin Placement: Place pin 3 3/8” from grip center at 7:30
Mass Bias Placement: Mass Bias at approximately 2:00 position

Maintenance Information

Bowling balls are interactive with their environment and conditions during play. The surface picks up oil, dirt and debris while being bowled. In time any ball’s ability to perform will diminish from this wear and tear. So cleaning the ball on a regular basis will not only help to provide a consistent reaction but prolong the life and performance of the ball. Using a Micro Fiber towel before and after each use will help minimize excessive oil, dirt and other unwanted contaminants on the surface of the ball. We recommend using Powerhouse™ performance ball cleaners for stubborn buildup.

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 1-866-464-3791.

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