



## **Drilling clarifications for The One –**

There have been questions regarding the layouts for drilling The One. We wanted to take the time to clarify some of these issues for you.

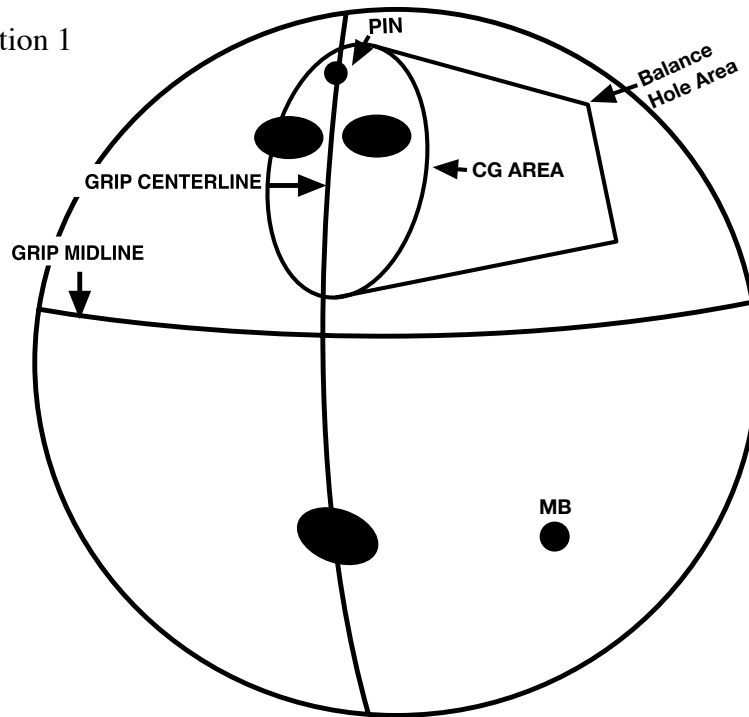
- 1) “I cannot drill Ebonite’s factory recommended layout #1 with a 0-1 or 1-2” pin”  
*Answer – Yes, you certainly can. With short pins, you are looking to remove the amount of static finger weight in order to be compliant with USBC regulations. We suggest that you drill your finger holes deeper than normal, deep enough to be compliant with USBC guidelines. Also, balance hole placement is important to consider when trying to have a ball comply with USBC static weight guidelines. You can position a balance hole to accomplish finger weight removal as well as side weight removal. It is important to note that the Centrex Symmetric Mass Bias Core was designed to be drilled into. You will not alter ball motion drastically by executing these suggestions.*

Ball Reaction: Long and Strong  
Suitable for: Most Styles  
Flare Potential: Medium

Center of Gravity: As the CG area will fall close to the finger area, and perhaps above the fingers, drill fingers deeper than normal to remove the appropriate finger weight.

Balance Hole: A balance hole may be required in order to remove the necessary finger weight. Position the hole accordingly.

Illustration 1



2) I need to have the CG in line with the Pin and Mass Bias

Answer – No, that is not the case. Place the Pin and Mass Bias in the desired locations for the bowler. After drilling the ball, determine if a balance hole is required, and where you might like to place it. For example, if the CG is off line to the right (for a Right Hand Bowler) you may have to place a balance hole to the right along the Center line. We generally recommend that you place this hole over 4 inches and up 1/2 inch. The depth of the hole and size of the bit will be determined by the amount of weight you desire to remove. We will show 2 illustrations. 2A will be if the CG area is off to the right of center, and 2B will show the CG area off to the left. In the case of the CG off to the left, the CG will most likely end up in the grip area, thus, no balance hole required.

Ball Reaction: Long and Strong

Suitable for: Most Styles

Flare Potential: Medium

Center of Gravity: Not in Line with the Pin and Mass Bias.

Mass Bias Placement: Place Mass Bias 3 inches to the right of the thumb hole.

Balance Hole: In illustration 2A – Place hole in the prescribed area in order to have the ball meet USBC specifications. You may need to drill deep with a large bit if the top weight was excessive.

Balance Hole: In illustration 2B – No Balance hole would be required.

Illustration 2A

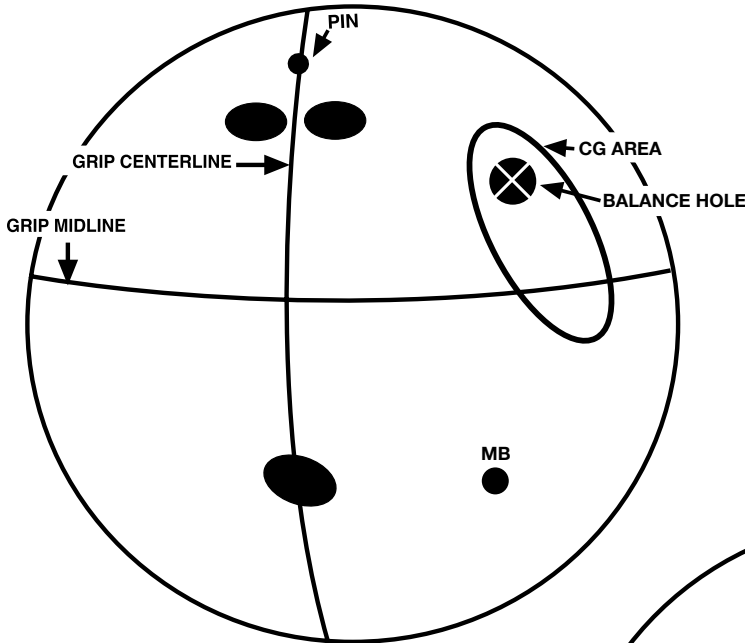
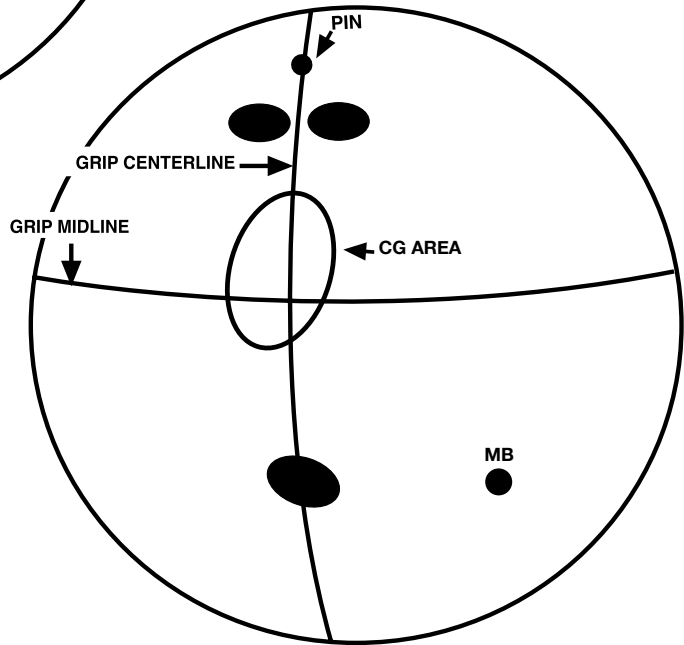


Illustration 2B



- 3) This X-Out that I received has the CG on the other side of the pin.  
This ball is undrillable!!!!

Answer – This ball is certainly drillable. Repeat step # 1, and place the weight hole (it may be a large one) in the location that will remove the necessary weight (Above finger for example). In this case, it is also suggested that you drill the finger holes deep as well.

- 4) My One does not hook as much as expected!!!  
Answer - The effects of sanding The One are extreme. As stated in The One seminar presentation, GB 10.7 is in fact, the strongest cover in bowling today. That is why we have been able to release a ball that has such a smooth surface (4000 Grit Abralon) with a High polish (Ebonite Powerhouse Factory Finish Ball Polish). By sanding The One, you can increase the overall hook by quite a bit. The following are ESTIMATED differences between the original factory finish (4000 Grit with Factory Finish Polish):
- a. 4000 Grit – No Polish – 2 Boards More Hook – 6 Inches earlier ball motion
  - b. 2000 Grit – No Polish – 4 Boards More Hook – 9 Inches earlier ball motion
  - c. 1000 Grit – No Polish – 6 Boards More Hook – 12 Inches earlier ball motion
  - d. 500 Grit – No Polish – 8 Boards More Hook – 15 Inches earlier ball motion
- DO NOT BE AFRAID to alter the surface!!!!**
- 5) My One ball does not perform as it did when it was new:  
Answer: The One is shipped with a factory finish of 4000 Grit Abralon, and polished with Powerhouse Factory Finish Ball Polish. As the ball is used, the surface will be altered. Depending on what surface (Wood, Synthetic, the brand of Synthetic, Guardian, etc...) you are bowling on, the ball will start hooking earlier, thus the move to the pocket will be smoother. In order to make the reaction as it was new, you must finish your ball the same way as we do in the factory. Sand your ball with 500 Grit Abralon, 1000 Grit Abralon, 2000 Grit Abralon, 4000 Grit Abralon and shine your ball with Powerhouse factory finish. If you changed the surface at all, remember the steps that were applied so they can be repeated.
- 6) I MUST DRILL The One according to the Ebonite Drilling Instructions or my ball will not perform.  
Answer – You ***CAN PLACE THE PIN IN OTHER AREAS.*** But you ***MUST PLACE THE MASS BIAS IN THE STRONG ZONE (35-70 DEGREES)*** for optimum performance. Placing the Mass Bias in a weaker location (0-30 and 75-105 degrees) will ***DRASTICALLY REDUCE BACKEND BALL REACTION!!!!*** If this is what your customer is looking for, by all means drill a ball this way. But ***GENERALLY SPEAKING***, most bowlers will be looking for a stronger backend ball motion vs. a weaker backend ball motion.

If you have any questions, please feel free to contact Ebonite International @ 1-800-626-8350 or email to [RGJEBONITE@aol.com](mailto:RGJEBONITE@aol.com) for e-mail technical support.