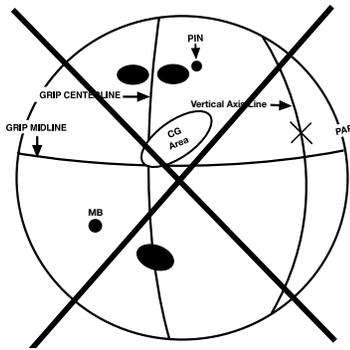


This is a **NON RECOMMENDED LAYOUT**. This layout will produce a very mild ball reaction and is not recommended.



Drilling #5

Ball Reaction: Very mild

Suitable for: Extremely high rev rates

Flare potential: Very Small

Pin Placement: Not recommended with this layout

Mass Bias Placement: Mass Bias Placements to the left of the thumb hole are not recommended because of the severe reduction in flare potential.

Trick Tour Layouts

Tommy Jones Favorite Trick Layout

Ball Reaction: Long and most aggressive at the breakpoint for Tommy Jones

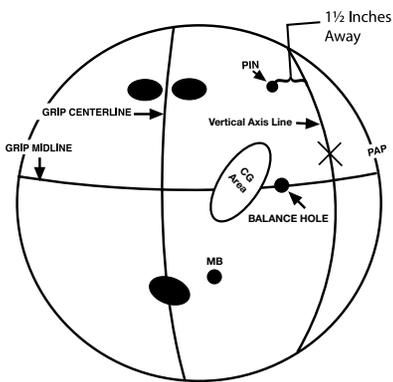
Suitable for: High Rev Rates only

Flare potential: High

Pin Placement: Place Pin 1½ inches away from the Vertical Axis Line and 4½ inches away from the PAP

Center of Gravity: The center of gravity placement may or may not fall inside the CG area. If it doesn't then the balance hole location may need to be adjusted.

Mass Bias Placement: Mass Bias Placement at 80 degree angle to the right of the thumb hole. If needed place balance hole approx 4 inches to the right and drill the ball back to statically legal



Jason Couch Favorite Trick Layout

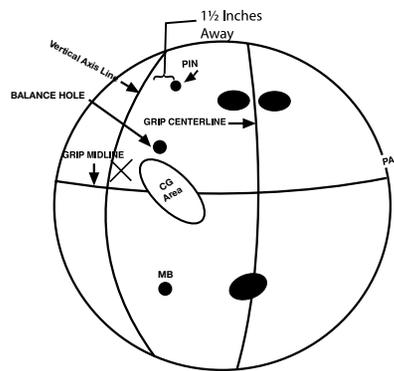
Ball Reaction: Long and most continuous for Jason Couch Suitable for: High Rev Rates only

Pin out distance must be at least 3.5 inches out. Flare potential: High

Pin Placement: Place Pin: 1½ inches away from the Vertical Axis Line and 5¼ inches away from the PAP

Center of Gravity: The center of gravity placement may or may not fall inside the CG area. If it doesn't then the balance hole location may need to be adjusted.

Mass Bias Placement: Mass Bias Placement at 60 degree angle to the left of the thumb hole. If needed place balance hole approx 4 inches to the right and 1 inch up and drill the ball back to statically legal



EBONITE™

Ebonite Asymmetric Drilling Instructions

At Ebonite, we strive to develop the absolute latest technology in covers and cores. The enclosed drilling instructions will allow you to tune in the ball motion that you are looking for.

A few key points: The strongest factor in determining ball motion is the cover. Make certain that you have prepared the surface of your new Ebonite Performance ball in the manner that you think will best suit your style of play, and in the environment that you are bowling on. Whether you require more surface texture or perhaps a shine. Motions will be determined with how much friction you are creating with the cover.

Layouts: When looking at the strength of the Pin and Mass Bias, the pin, is without a doubt the stronger of the two dynamic points. Remember to choose the correct ball, as it relates to cover strength you require.

At that point you and your Pro Shop Operator can discuss what layout will best dial in the motion that you are looking for. Pin to PAP (Positive Axis Point), ball speed, rotation, tilt are all key factors that your Pro Shop Professional will take into consideration when laying out your new Ebonite High Performance Bowling Ball.

Mass Bias Placement: The placement of the Mass Bias will aid in fine tuning your motion, as dictated by the surface preparation on your new ball, and with the Pin placement as it relates to your Positive Axis Point.

Typically, the stronger you place the Mass, the stronger the ball will be in the Mid-Lane. Weaker positions will promote more length.

Ball Care: Ebonite Highly recommends that you care for your new Ebonite High Performance product by these easy tasks: 1) Use a Micro-Fiber Towel while bowling. This aids in keeping oil from collecting in the pours of ball.

2) Use PowerHouse Energizer Ball Cleaner for polished balls, and Powerhouse Clean and Dull on balls with surface, after each session of bowling.

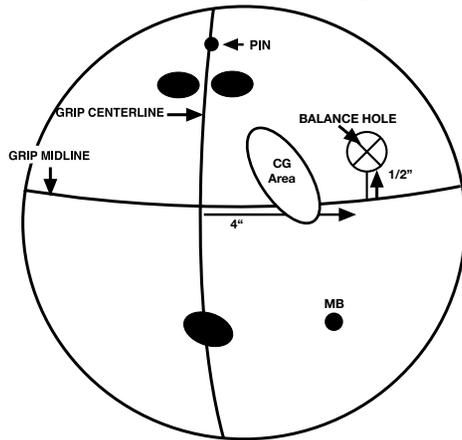
For long term care practices, please consult your Pro Shop Professional

For More Information on Ebonite Products, visit www.ebonite.com

EBONITE™
BOWL TO WIN™

Ebonite International
P.O. Box 746, Hopkinsville, KY 42241-0746
270-881-1200 • 800-626-8350 • Fax 270-881-1201
Visit our web site at www.ebonite.com

Ebonite Asymmetric Drilling Instructions



This is the **recommended** layout for most players, with or without a positive axis point. Use mirror image for left handed drilling.

Drilling #1

If you do not have a positive axis point, use this layout.

Ball Reaction: Long and Strong

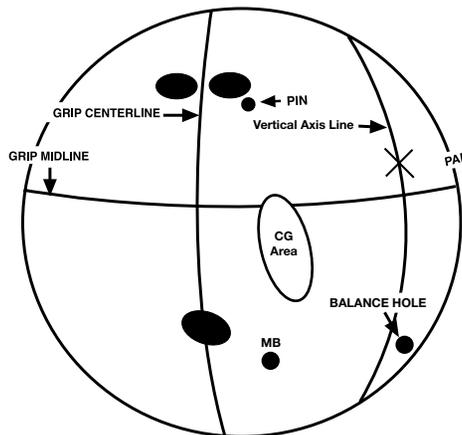
Suitable for: Most Styles and Lines

Flare potential: Medium

Center of Gravity: The center of gravity placement may or may not fall inside the CG Area. If it doesn't then the balance hole location may need to be adjusted.

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

If needed place balance hole 4 inches over and 1/2 inch up and drill back to statically legal.



Drilling #2

Ball Reaction: Long and Strong

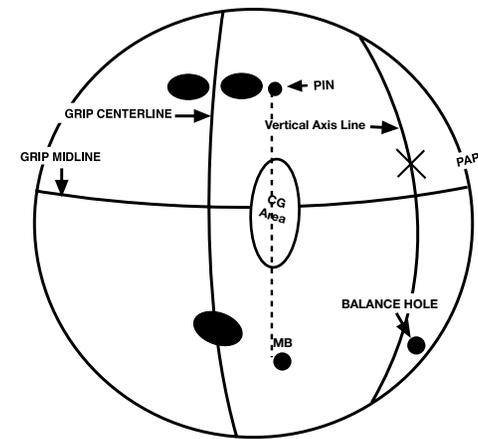
Suitable for: Most Styles and Lines

Flare potential: Large

Pin Placement: Place Pin 4 1/2 inches from PAP

Center of Gravity: The center of gravity placement may or may not fall inside the CG Area. If it doesn't then the balance hole location may need to be adjusted.

Mass Bias Placement: Place Mass Bias at a 45 degree angle to the right of the thumb hole. If needed place balance hole over on the Vertical Axis Line and 2 inches down and drill back to negative side weight. The bigger and deeper the hole is the more increased ball reaction. Remember to keep the ball statically legal.



This layout produces the most even reaction with the highest TOTAL hook.

Drilling #3

Ball Reaction: Early and Strong

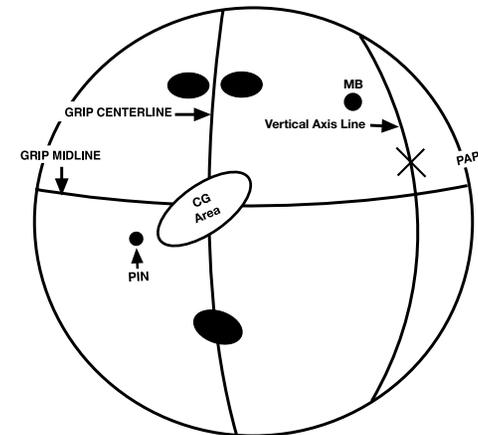
Suitable for: High Ball Speed, Low RPM's, Heavy oiled lanes

Flare potential: Very Large

Pin Placement: Place Pin 3 1/2 inches from PAP

Center of Gravity: The center of gravity placement may or may not fall inside the CG Area. If it doesn't then the balance hole location may need to be adjusted.

Mass Bias Placement: Place Mass Bias in line with the Pin. If needed place balance hole over on the PAP and drill back to statically legal.



This is the recommended layout for All Full Rollers

Drilling #4

Ball Reaction: Strong Arc

Suitable for: Most Styles and Lines

Flare potential: Large

Pin Placement: Place Pin 3 1/2 inches from bowler's center of span in an 8:00 direction.

Center of Gravity: The center of gravity placement may or may not fall inside the CG Area. If it doesn't then the balance hole location may need to be adjusted.

Mass Bias Placement: Place Mass Bias at a 2:00 direction from the center of span. If needed place balance hole 8 inches from the center of span in a 2:00 direction to remove excess positive side weight. Place balance hole 6 inches from the center of span in an 8:00 direction to remove excess negative side weight.