

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

Drilling #5

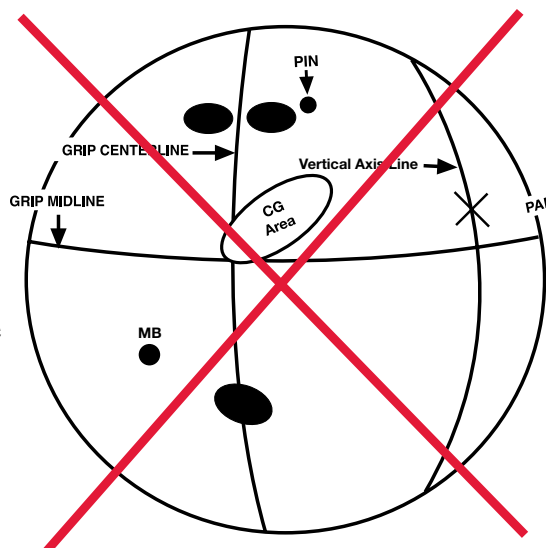
Ball Reaction: Very mild

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.



Advanced (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

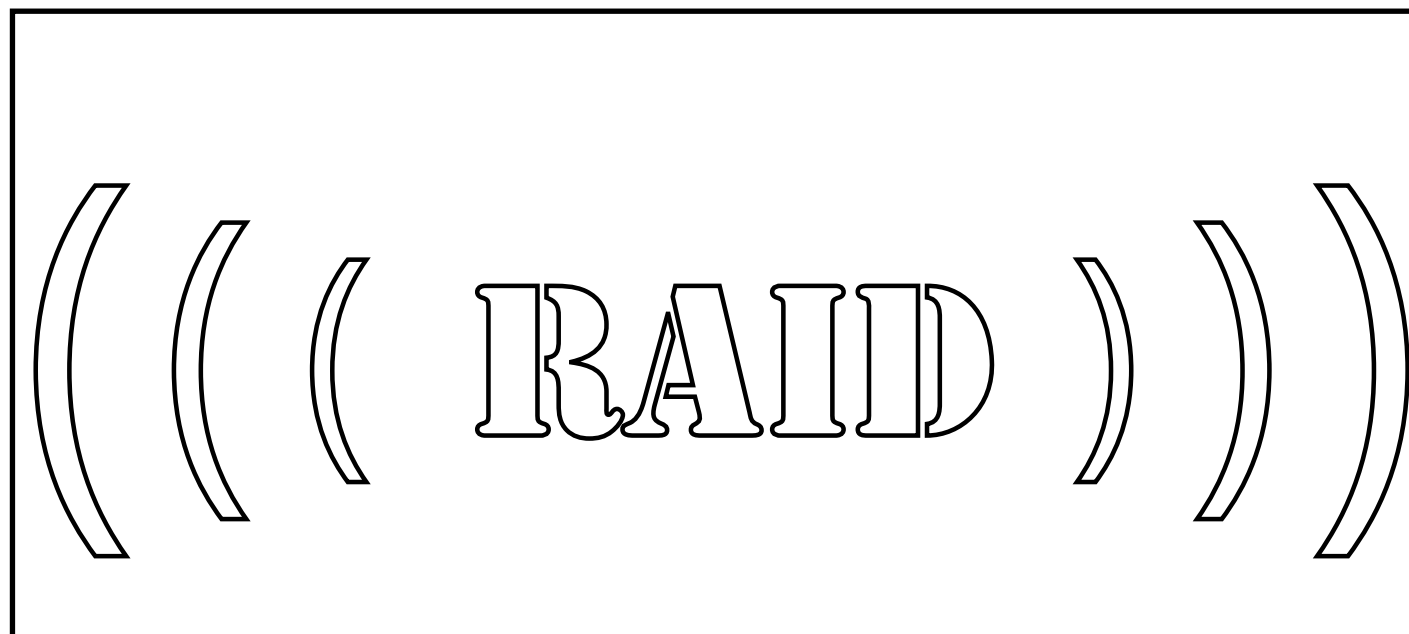
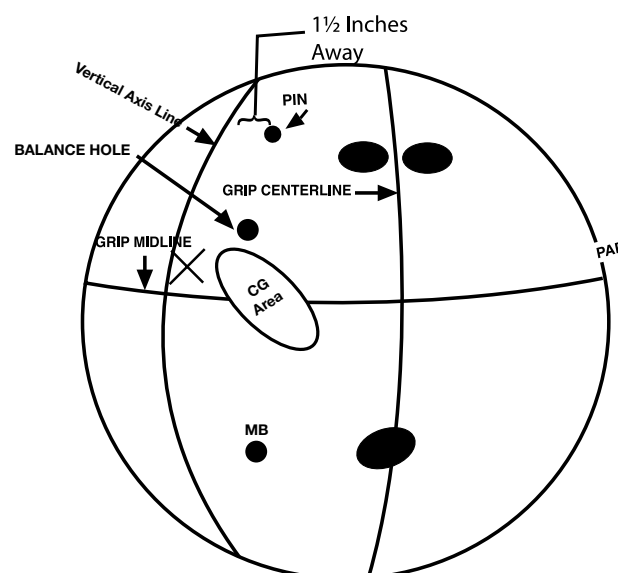
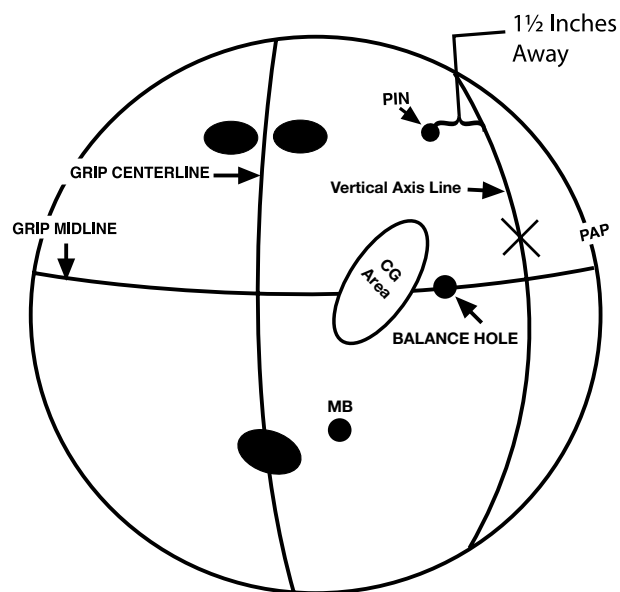
Pin out distance must be at least 3.5 inches out.

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

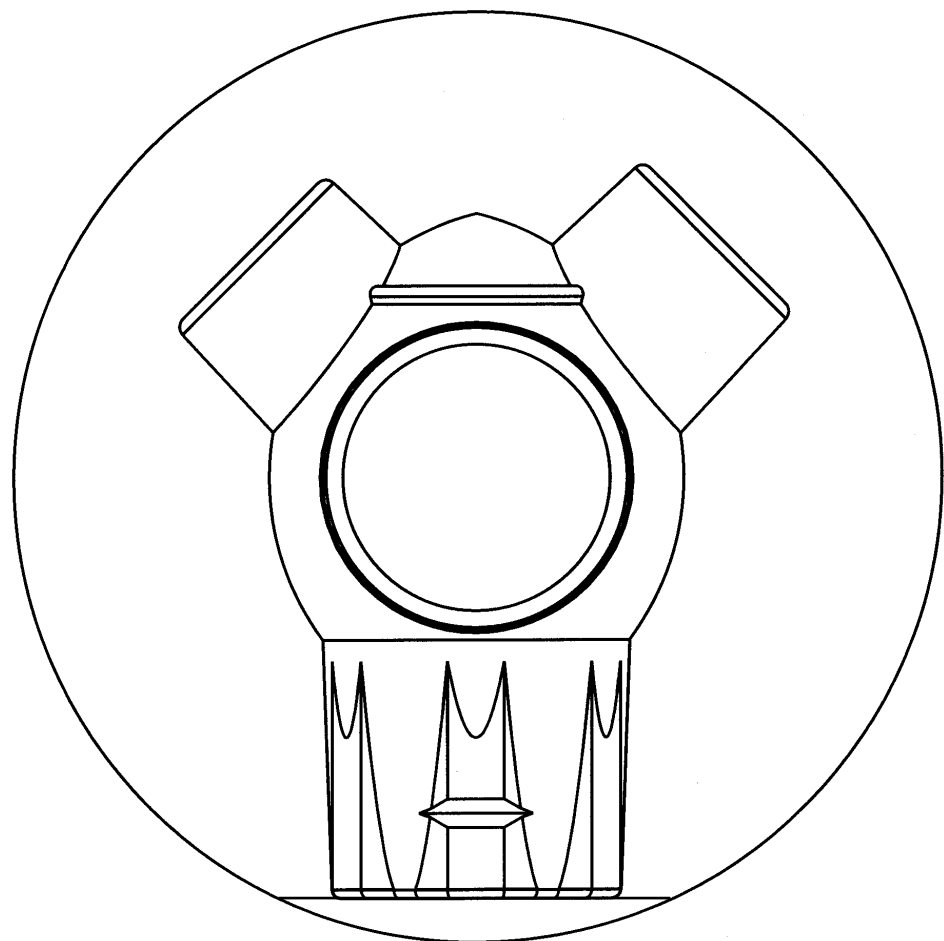


Raid Drilling Instructions

Core Design:	Low Flare Y Core Shape				
Mass Bias Strength:	0.017				
Mass Bias Location:	6 3/4" from the pin				
Coverstock Name:	GBV 12.7				
Color:	Purple/Green/Black				
Box Finish:	Sanded with 4000 grit Abralon; Polished with PowerHouse Factory Finish Ball Polish				
Length: (Ebonite scale of 1 to 50, earliest to latest)	22				
Overall Hook: (Ebonite scale of 1 to 50, least to most)	41				
Breakpoint Angle (Ebonite scale of 1 to 15, most smooth to most angular)	11.95				
RG Values:	16	15	14	13	12
	2.51	2.52	2.53	2.59	2.62
Differential Values:	.049	.054	.058	0.043	0.046



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

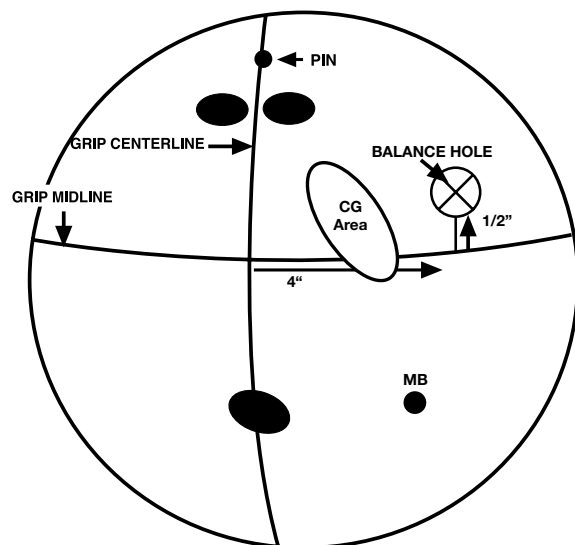


Drilling #1

Ball Reaction: Long and Strong
 Suitable for: Most styles and target lines
 Flare Potential: Medium High
 Center of Gravity: The center of gravity placement may or may not fall inside the CG area. If it does not, than 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 up and drill back to statically legal.

****Mass Bias Placement for HIGH REV PLAYERS** – For players that have RPM rates of 350 and greater, you need to place the Mass Bias Location in the 70 to 90 degree location.



Drilling #2

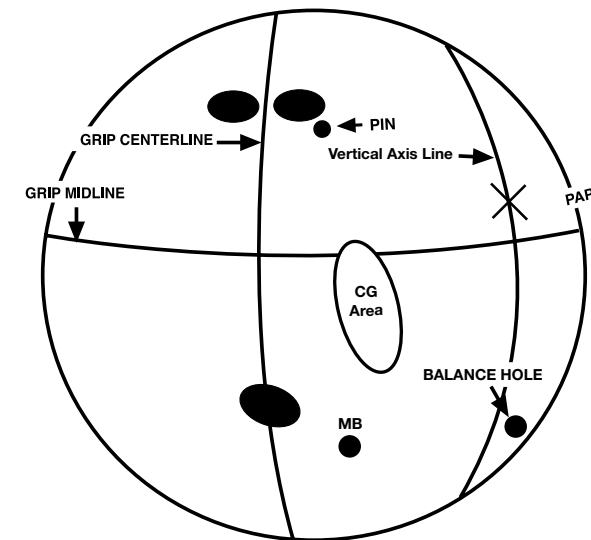
Ball Reaction: Long and Strong
 Suitable for: Most Styles
 Flare Potential: High

Pin Placement: Place pin 4 1/2 from the PAP

Center of Gravity: The Center of Gravity placement may or may not fall inside the CG area. If it does not, than the balance hole location may need to be adjusted.

***Mass Bias Location:** Place Mass Bias at a 45 degree angle to the right of the thumb hole. If needed, place the 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 stronger the ball reaction will be. Remember to keep the ball statically legal.

****Mass Bias Placement for HIGH REV PLAYERS** – For players that have RPM rates of 350 and greater, you need to place the Mass Bias Location in the 70 to 90 degree location.



Drilling #3

Ball Reaction: Early and Strong

Suitable for: High Ball Speed, Low RPM's, Heavy Oil Patterns

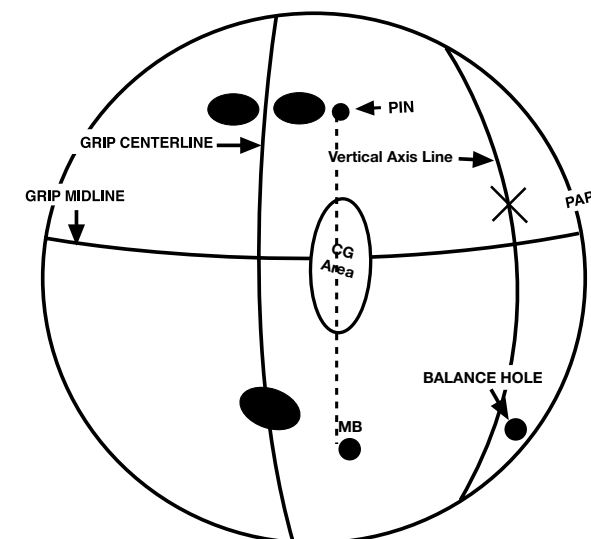
Flare Potential: Very High

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

Center of Gravity: The Center of Gravity placement may or may not fall inside the CG Area. If this is the case, than the balance hole location may need to be adjusted.

***Mass Bias Location:** Place Mass Bias in line with the pin. If needed, place balance hole over on the PAP and drill back to statically legal.

****Mass Bias Placement for HIGH REV PLAYERS** – For players that have RPM rates of 350 and greater, you need to place the Mass Bias Location in the 70 to 90 degree location.



Drilling #4 – Full Roller Layout

Ball Reaction: Strong Arc

Suitable For: Full Rollers

Flare Potential: Large

Pin Placement: Place pin 3 1/2 inches from the bowlers 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 does not 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 a 8:00 direction to remove excess negative side weight.

