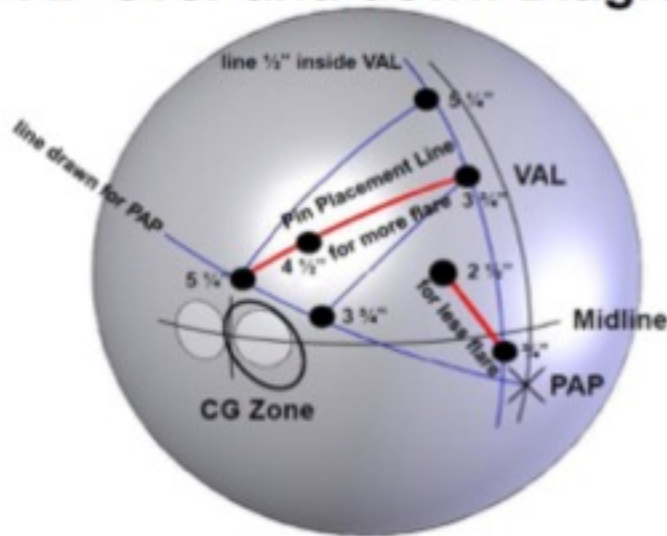


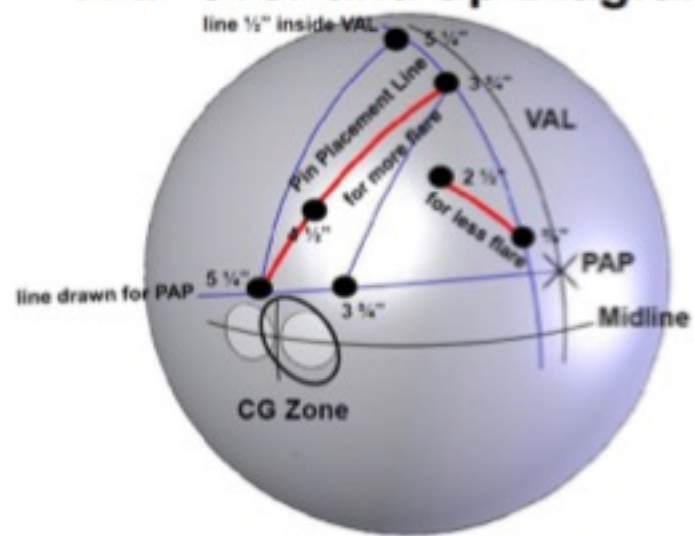


# Radical No-Thumb Layouts

## PAP over and down Diagram



## PAP over and up Diagram



Step 1 – Find a ball with the pin-out approximately the distance to match a diagram above with the desired layout.

Step 2 – Draw an arc from the pin at the desired pin to PAP distance to achieve the preferred ball motion.

Step 3 – Draw an arc at a distance 1/2" less than the bowler's horizontal PAP coordinates.

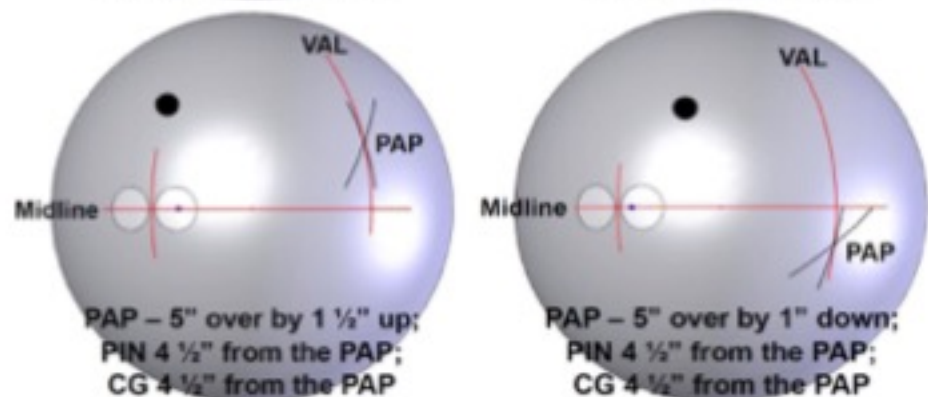
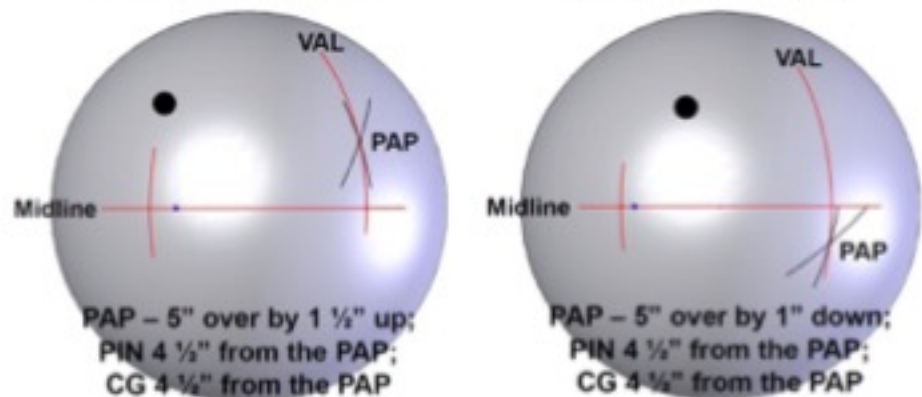
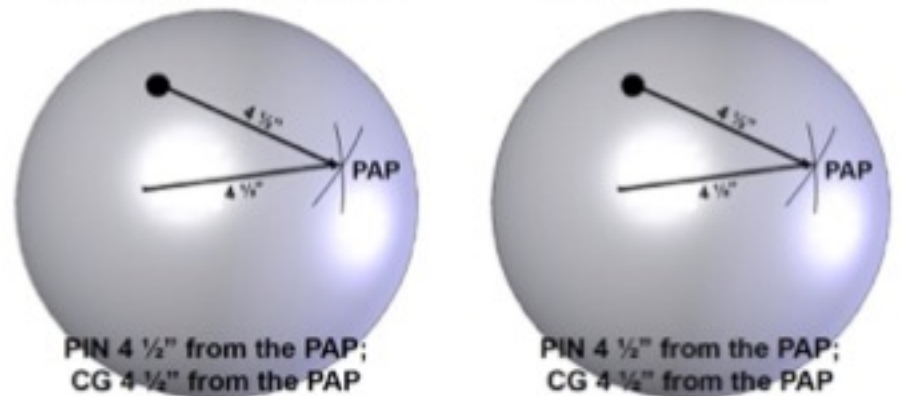
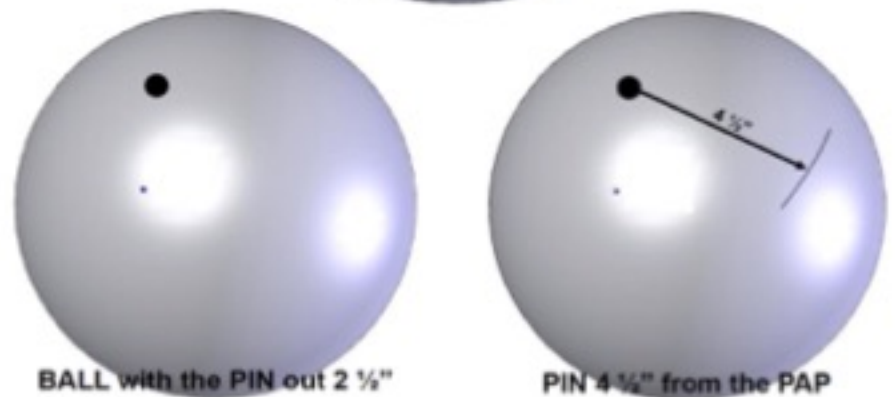
Step 4 – The intersection of these two arcs now define the bowler's PAP.

Step 5 – Using the PAP location, reverse the bowler's PAP coordinates to define the midline of the grip.

Step 6 – The CG should be in or near the ring finger hole (CG Zone).

Step 7 - Drill the fingers at least 3 1/2" deep but no more than 4" deep.

Step 8 - Prepare the ball surface to the texture that matches the desired ball motion.



**Now, GO BOWL!**