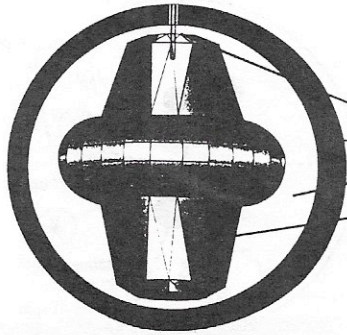


# RED WOLF



- Core Pin
- Mega Bite™ Reactive Veneer
- Rigid Structure Polyester Outer Core
- Symmetric Low RG Inner Core

**COVER STOCK:** Aggressive Mega Bite™ Reactive veneer, 600 grit sand.  
**OUTER CORE:** Rigid structure polyester allows the Mega Bite™ Reactive veneer to transmit more energy to the pins.  
**INNER CORE:** SYMMETRIC single density core is mineral filled with 4.25g/cm³ Barite.  
**RADIUS OF GYRATION:** Low: Scale of 1 to 10 (center heavy/cover heavy): 2.20  
**RG DIFFERENTIAL:** Medium High: Scale of 1 to 10 (minimum/maximum): 6.67  
**FLARE POTENTIAL:** 6" + (depends on bowler's revolutions)  
**LANE CONDITIONS:** Medium to heavy oil  
**PIN DISTANCE TO CG:** Pin In (0-1½") Pin Medium (1½"-3") Pin Out (3"+)

## RIGHT HANDED DRILLING INSTRUCTIONS

### DRILLING # 1

**Ball Choice:**  
**Top Weight:**  
**Reaction:**  
**Best Lane Condition:**  
**Flare Potential:**  
**Layout:**

### PIN AT 1:30

**Pin Medium, Pin Out**  
 1 1/2 oz. to 5 oz.  
 Length...3 to 7 *Backend...5 to 8 Overall Hook...6 to 9*  
*Backend hook style: Strong arc*  
**ALL PURPOSE LAYOUT.** For medium oil, wet/dry, top hat, blends, christmas tree.  
 3" to 6"

#### Using a PIN MEDIUM

Place pin at 1:30 to CG. Shift CG to 3/4 oz. of positive side weight.

#### Using a PIN OUT

Place pin at 1:00 to CG. Shift CG to 3/4 oz. of positive side weight and 1/2 oz. of thumb weight.

**Weight holes:**

This layout does not require a balance hole. However, if an earlier roll and smoother backend reaction is desired, place a balance hole on the PAP. If more reaction is desired, place a balance hole 1 1/2" past the PAP.

### DRILLING # 2

**Ball Choice:**  
**Top Weight:**  
**Reaction:**  
**Best Lane Condition:**  
**Flare Potential:**  
**Quick Layout:**

### LEVERAGE WEIGHT

**Pin IN ( Low Track ), Pin Medium ( Low, Medium, and High tracks ), Pin Out ( Medium to High Tracks )**  
 1 1/2 oz. to 5 oz.  
 Length...3 to 4 *Backend...7 to 10 Overall Hook...7 to 10*  
*Backend hook style: strong hook.*

**Medium to heavy oil, moderate carrydown, blended oil pattern or christmas tree.**

### LOW TRACK PLAYER

Place the pin at 12:00 to the CG. Measure 1 1/2" to the left of the CG to locate the center of span. Use a **Pin in** for an earlier roll. For more length and flip use a **Pin Medium**.

### MEDIUM TO HIGH TRACK PLAYER

Place the pin at 12:00 to the CG. Measure 2" to the left of the CG to locate the center of span. Use a **Pin Medium** for an earlier roll. For more length and flip use a **Pin Out**.

**PAP Layout:**

Use when the bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

### LOW TRACK PLAYER

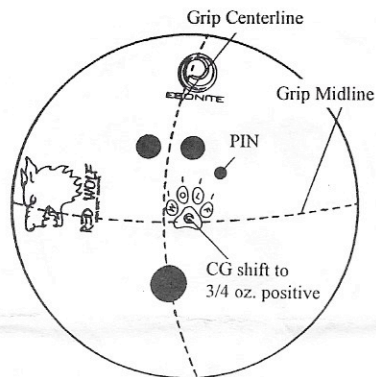
Place the pin at 12:00 to the CG. From the CG draw a line 3 3/8" to the right. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span. Use a **Pin In** for an earlier roll. For more length and flip, use a **Pin Medium**.

### MEDIUM TO HIGH TRACK PLAYER

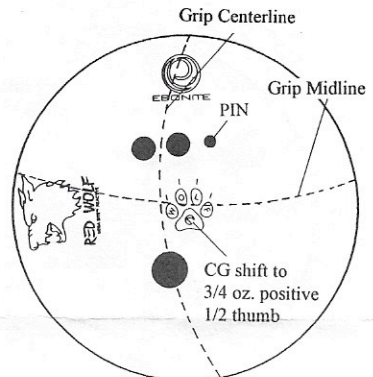
Place the pin at 12:00 to the CG. From the CG draw a line 3" to the right. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span. Use a **Pin In** for an earlier roll. For more length and flip, use a **Pin Out**.

**Weight Holes:**

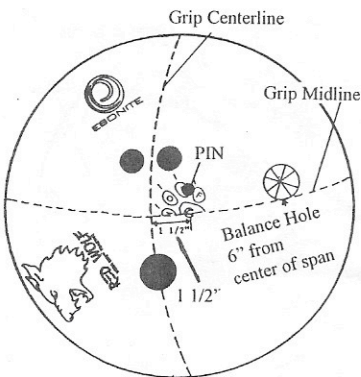
A balance hole will be needed for this layout. For a smoother reaction, place the balance hole on the PAP. For a stronger reaction, place the balance 1 1/2" past the PAP. For the Quick Layout place the balance hole 6" from the center of span on the grip midline.



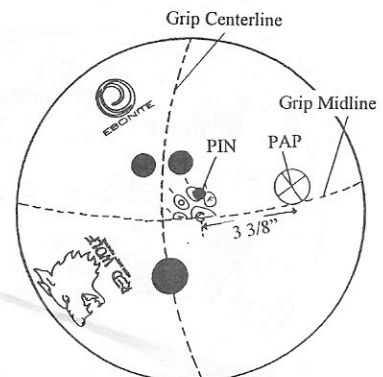
**Pin Medium**



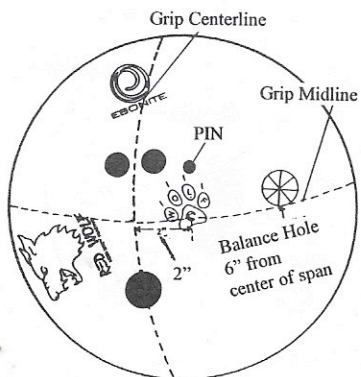
**Pin Out**



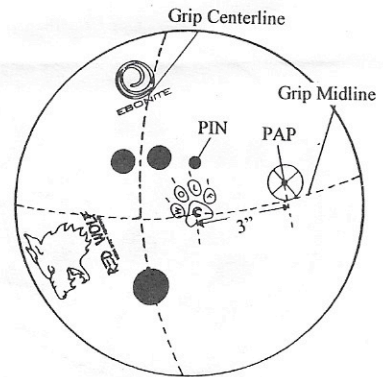
**Quick Layout Low Track**



**PAP Layout Low Track**



**Quick Layout-High Track**



**PAP Layout-High Track**



# RIGHT HANDED DRILLING INSTRUCTIONS

## DRILLING # 3

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:  
Flare Potential:  
Quick Layout:

PAP Layout:

Weight Holes:

## REV LEVERAGE

Pin Medium, Pin Out  
1 1/2 oz to 5 oz.

Length...2 Backend...9 Overall Hook...9

Backend hook style: Flip and set, forward roll.

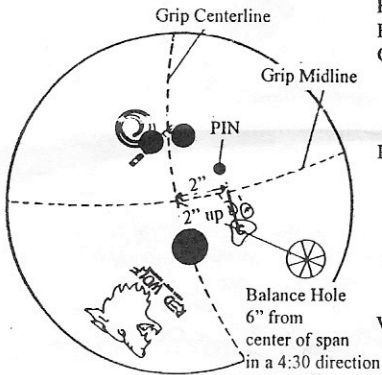
Medium to heavy oil with medium to heavy carrydown.  
4" to 6"

Draw a line connecting the CG and the pin. Place the pin at 12:00 to the CG. From the CG measure up 2" toward the pin. From this point draw a perpendicular line 2" left. Use this point as the center of span.

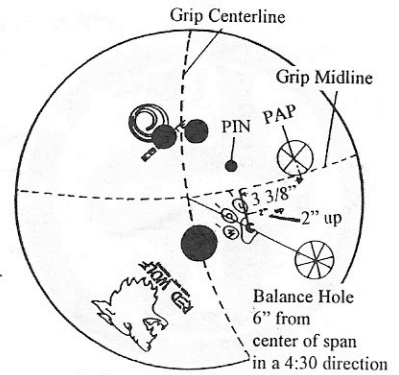
Use when the bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

Draw a line connecting the CG and the pin. Place the pin at 12:00 to the CG. From the CG, measure up 2" toward the pin. From this point draw a perpendicular line 3 3/8" to the right. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span.

This layout will require a balance hole. Place the balance hole 6" from the center of span in a 4:30 direction. Placing the hole in the 4:30 direction removes equal amounts of thumb and positive weights. ( You can adjust the finger or thumb weight by drilling the fingers or the thumb deeper )



### Quick Layout



### PAP Layout

## DRILLING # 4

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:

Flare Potential:  
Quick Layout:  
PAP Layout:

Weight Holes:

## 5" FORWARD ROLL

Pin Medium  
1 1/2 oz. to 5 oz.

Length...6 Backend...7 Overall Hook...6

Backend Hook Style: Strong flip and set, forward roll.

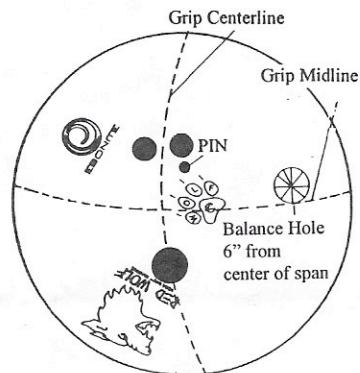
Medium to drier heads and pines with moderate to heavy carrydown.

3" to 5"

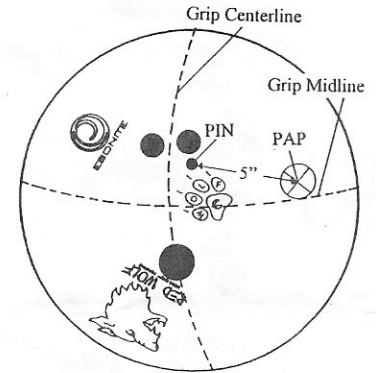
Place pin at 10:30 to CG. Place pin under ring finger. Use when bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

Place the pin at 10:30 to the CG. From the center of the pin measure down 1 1/2". From this point draw a perpendicular line 4 3/4" to the right. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span. ( Avoid drilling into the pin )

This layout will require a balance hole. For an earlier roll place balance hole on the PAP. For more length and flip, place balance hole 1 1/2" past the PAP.



### Quick Layout



### PAP Layout

## DRILLING # 5

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:  
Quick Layout:

PAP Layout:

Weight holes:

## PIN ABOVE

Pin Out or Pin Medium at least 2 1/2" out  
1 1/2 oz. to 5 oz.

Length...8 Backend...5 Overall Hook...5

Backend Hook Style: Flip

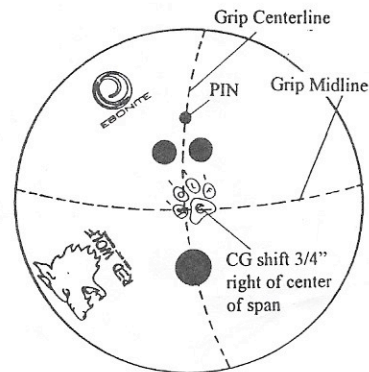
Drier heads and pines with light to moderate carrydown. Place pin on grip centerline with the CG 3/4" to the right of the grip centerline.

Use when the bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

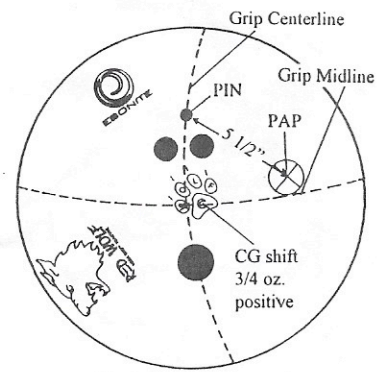
Place the pin 5 1/2" from the PAP, above the fingers.

Shift the CG to 3/4 oz. positive side weight.

This layout does not require a balance hole. However, if an earlier roll and smoother backend reaction is desired place a balance hole on the PAP. If more reaction is desired, place a balance hole 1 1/2" past the bowler's PAP.



### Quick Layout



### PAP Layout

## DRILLING # 6

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:

Flare Potential:

Layout:

## FULL ROLLER

Pin In, Pin Medium, Pin Out  
1 1/2 oz. to 5 oz.

Pin In

Length...8 Backend...5 Overall Hook...5

Pin Medium

Length...5 Backend...7 Overall Hook...7

Pin Out

Length...3 Backend...9 Overall Hook...9

Pin In: Drier heads and pines, light carrydown

Pin Medium: Medium oil, moderate carrydown

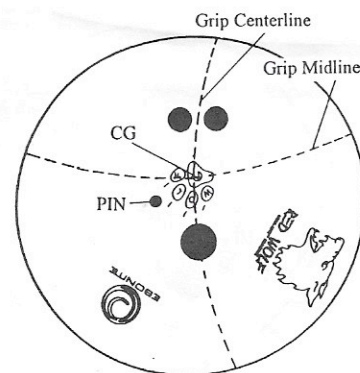
Pin Out: Heavier oil, long pattern, carrydown

Pin In: 1/2" to 2"

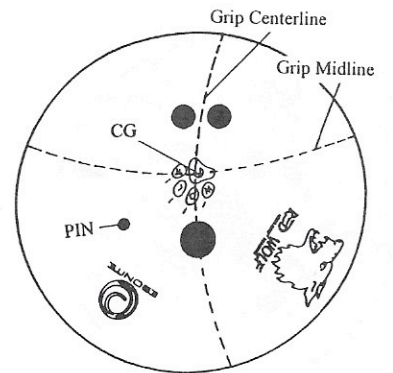
Pin Medium: 2" to 4"

Pin Out: 3" to 5"

Place pin at 8:00 to the CG. Use the CG as the center of span.



### Pin Medium



### Pin Out

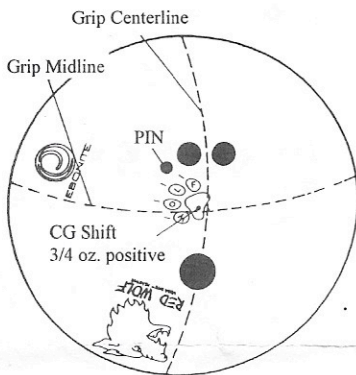


# RED WOLF

by **EBONITE**

**EBONITE INTERNATIONAL, INC.**  
 P.O. Box 746 Hopkinsville, KY 42241-0746  
 502-886-5261 800-626-8350 Fax 502-885-7791  
 E-mail address: Bowlebonit@aol.com

## LEFT HANDED DRILLING INSTRUCTIONS



**Pin Medium**

**DRILLING # 1**

Ball Choice:  
 Top Weight:  
 Reaction:

Best Lane Condition:

Flare Potential:  
 Layout:

Weight holes:

**PIN AT 10:30**

Pin Medium, Pin Out  
 1 1/2 oz. to 5 oz.

Length...3 to 7 Backend...5 to 8 Overall Hook...6 to 9  
 Backend hook style: Strong arc

ALL PURPOSE LAYOUT. For medium oil, wet/dry, top hat, blends, christmas tree.

3" to 6"

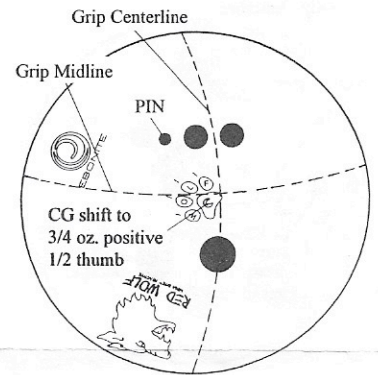
Using a PIN MEDIUM

Place pin at 10:30 to CG. Shift CG to 3/4 oz. of positive side weight.

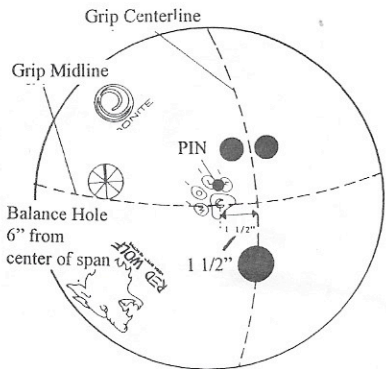
Using a PIN OUT

Place pin at 11:00 to CG. Shift CG to 3/4 oz. of positive side weight and 1/2 oz. of thumb weight.

This layout does not require a balance hole. However, if an earlier roll and smoother backend reaction is desired, place balance hole on the PAP. If more reaction is desired, place a balance hole 1 1/2" past the PAP.



**Pin Out**



**Quick Layout Low Track**

**DRILLING # 2**

Ball Choice:  
 Top Weight:  
 Reaction:

Best Lane Condition:

Flare Potential:  
 Quick Layout:

**LEVERAGE WEIGHT**

Pin IN ( Low Track ), Pin Medium ( Low, Medium, and High tracks ), Pin Out ( Medium to High Tracks )

1 1/2 oz. to 5 oz.

Length...3 to 4 Backend...7 to 10 Overall Hook...7 to 10  
 Backend hook style: strong hook.

Medium to heavy oil, moderate carrydown, blended oil pattern or christmas tree.

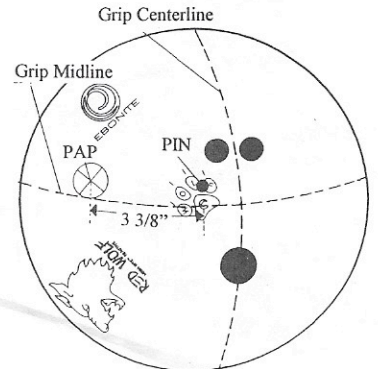
4" to 6"

**LOW TRACK PLAYER**

Place the pin at 12:00 to the CG. Measure 1 1/2" to the right of the CG to locate the center of span. Use a Pin in for an earlier roll. For more length and flip use a Pin Medium.

**MEDIUM TO HIGH TRACK PLAYER**

Place the pin at 12:00 to the CG. Measure 2" to the right of the CG to locate the center of span. Use a Pin Medium for an earlier roll. For more length and flip use a Pin Out.



**PAP Layout Low Track**

PAP Layout:

Use when the bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

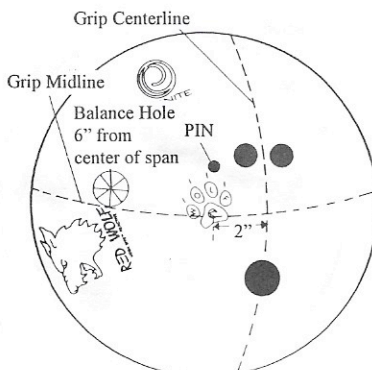
**LOW TRACK PLAYER**

Place the pin at 12:00 to the CG. From the CG draw a line 3 3/8" to the left. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span. Use a Pin In for an earlier roll. For more length and flip, use a Pin Medium.

**MEDIUM TO HIGH TRACK PLAYER**

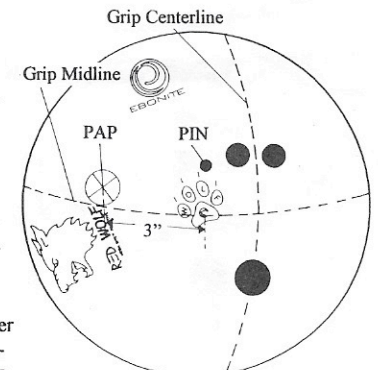
Place the pin at 12:00 to the CG. From the CG draw a line 3" to the left. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span. Use a Pin In for an earlier roll. For more length and flip, use a Pin Out.

A balance hole will be needed for this layout. For a smoother reaction, place the balance hole on the PAP. For a stronger reaction, place the balance 1 1/2" past the PAP. For the Quick Layout place the balance hole 6" from the center of span on the grip midline.



**Quick Layout High Track**

Weight Holes:



**PAP Layout-High Track**



# LEFT HANDED DRILLING INSTRUCTIONS

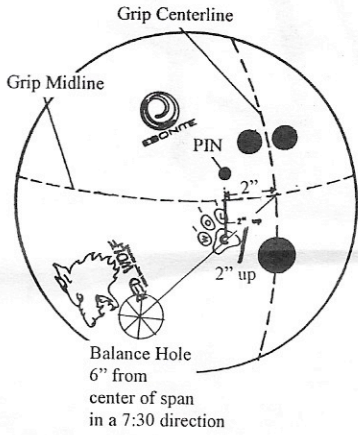
## DRILLING # 3

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:  
Flare Potential:  
Quick Layout:

PAP Layout:

Weight Holes:



### Quick Layout

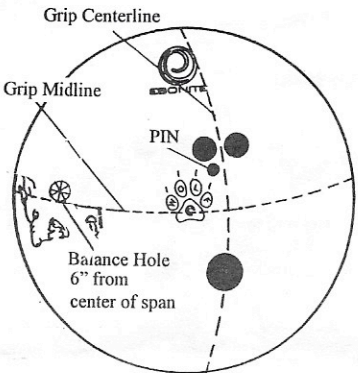
## DRILLING # 4

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:

Flare Potential:  
Quick Layout:  
PAP Layout:

Weight Holes:



### Quick Layout

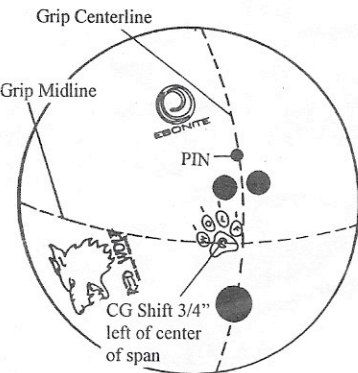
## DRILLING # 5

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:  
Quick Layout:

PAP Layout:

Weight holes:



### Quick Layout

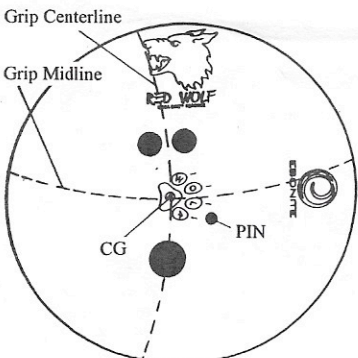
## DRILLING # 6

Ball Choice:  
Top Weight:  
Reaction:

Best Lane Condition:

Flare Potential:

Layout:



### Pin Medium

## REV LEVERAGE

Pin Medium, Pin Out  
1 1/2 oz to 5 oz.

Length...2 Backend...9 Overall Hook...9  
Backend hook style: Flip and set, forward roll.

Medium to heavy oil with medium to heavy carrydown.

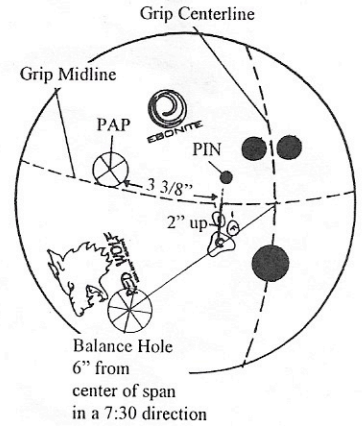
4" to 6"

Draw a line connecting the CG and the pin. Place the pin at 12:00 to the CG. From the CG measure up 2" toward the pin. From this point draw a perpendicular line 2" right. Use this point as the center of span.

Use when the bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

Draw a line connecting the CG and the pin. Place the pin at 12:00 to the CG. From the CG, measure up 2" toward the pin. From this point draw a perpendicular line 3 3/8" to the left. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span.

This layout will require a balance hole. Place the balance hole 6" from the center of span in a 7:30 direction. Placing the hole in the 7:30 direction removes equal amounts of thumb and positive weights. ( You can adjust the finger or thumb weight by drilling the fingers or the thumb deeper )



### PAP Layout

## 5" FORWARD ROLL

Pin Medium  
1 1/2 oz. to 5 oz.

Length...6 Backend...7 Overall Hook...6

Backend Hook Style: Strong flip and set, forward roll.

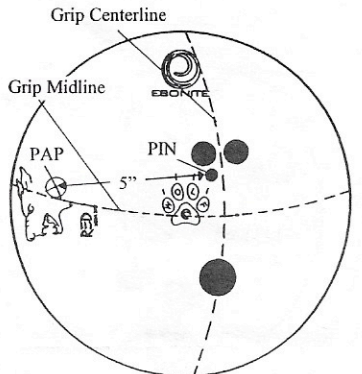
Medium to drier heads and pines with moderate to heavy carrydown.

3" to 5"

Place pin at 1:30 to CG. Place pin under ring finger. Use when bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

Place the pin at 1:30 to the CG. From the center of the pin measure down 1 1/2". From this point draw a perpendicular line 4 3/4" to the left. Use this point as the bowler's PAP. Reverse the bowler's PAP coordinates to locate the center of span. ( Avoid drilling into the pin )

This layout will require a balance hole. For an earlier roll place balance hole on the PAP. For more length and flip, place balance hole 1 1/2" past the PAP.



### PAP Layout

## PIN ABOVE

Pin Out or Pin Medium at least 2 1/2" out  
1 1/2 oz. to 5 oz.

Length...8 Backend...5 Overall Hook...5

Backend Hook Style: Flip

Drier heads and pines with light to moderate carrydown.

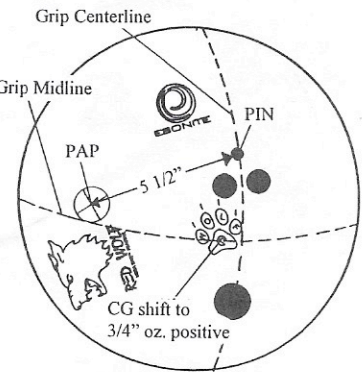
Place pin on grip centerline with the CG 3/4" to the left of the grip centerline.

Use when the bowler's PAP is known. Knowing the bowler's PAP is the preferred method.

Place the pin 5 1/2" from the PAP, above the fingers.

Shift the CG to 3/4 oz. positive side weight.

This layout does not require a balance hole. However, if an earlier roll and smoother backend reaction is desired place a balance hole on the PAP. If more reaction is desired, place a balance hole 1 1/2" past the bowler's PAP



### PAP Layout

## FULL ROLLER

Pin In, Pin Medium, Pin Out  
1 1/2 oz. to 5 oz.

Pin In

Length...8 Backend...5 Overall Hook...5

Pin Medium

Length...5 Backend...7 Overall Hook...7

Pin Out

Length...3 Backend...9 Overall Hook...9

Pin In: Drier heads and pines, light carrydown

Pin Medium: Medium oil, moderate carrydown

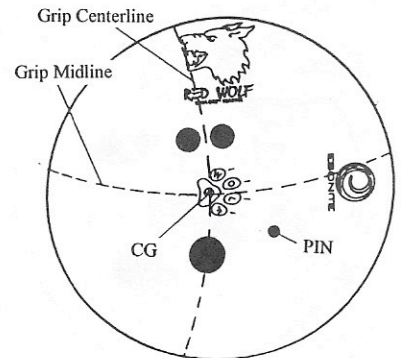
Pin Out: Heavier oil, long pattern, carrydown

Pin In: 1/2" to 2"

Pin Medium: 2" to 4"

Pin Out: 3" to 5"

Place pin at 4:00 to the CG. Use the CG as the center of span.



### Pin Out