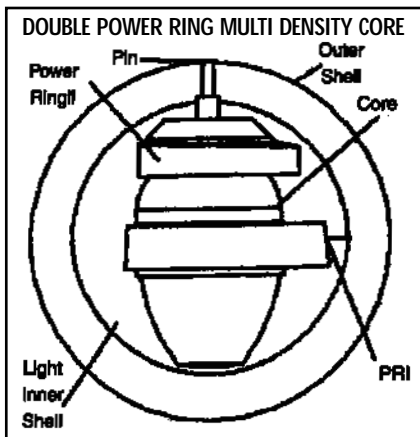


Drilling Instructions



Veer Particle Coverstock

The Angle Extra features the remarkable new coverstock called Veer, Vector Energy Enhanced Reaction. Veer is a combination of Super-Flex reactive coverstock and AMF's new particle technology which provides greater length and backend reaction even on today's new oil patterns. Veer helps the Angle Extra retain energy longer while providing stronger mid lane characteristics than a regular reactive shell. The Veer particle is also extremely versatile, possessing the ability to be shined or dulled easily to control the break-point on a variety of conditions.

Strongest Core Design

The Angle Extra features the 4 density Double Power Ring core which has been modified to enhance the mid lane and backend motion. This is accomplished by increasing the strength of the mass bias of the middle Power Ring. This modification helps this Angle to have stronger motion through the pins for better carry and more area at the backend of the pattern. This is key when playing inside angles when the fronts break down and you have to get the ball around the corner of the oil pattern.

THINGS TO REMEMBER

1. There are five pin placements, four PRI placements and two full-roller drillings offered for the Angle Extra. Other drillings can also be used.

The CG is indicated by a pin mark located between the pin and PRI. This is not to be used for the lay-outs of the Angle Extra. Reverse drilling procedure (mirror image) for left handed bowlers.

2. Arc Drillings are best for bowlers with slower ball speeds and less axis rotation. These drillings produce smaller entry angles and should be used when playing outside angles or when the bowler has to play a track shot.

Key to drilling diagrams:

- = Pin
- ▼ = Power Ring Indicator (PRI)
- ☆ = Positive Axis Point (PAP)
- = Balance Hole
- CL = Centerline of Grip
- MP = Midplane
- ML = Midline
- = Center of Gravity

In these drillings, **HIGH RG** refers to a drilling that produces a longer skid. **Low RG** refers to drilling that produces earlier roll.

■ Coverstock	Veer Particle
■ RG	2.52
■ Flare Potential	5.0" .045 diff.
■ Hook Rating	9 BTM
■ Length	5.0 BTM
■ Finish	1500 Wet-sand

BEFORE DRILLING

The innovative design of the Angle Extra combines the control and forgiveness of a traditional symmetrical ball with the dynamics, entry angles and explosive power of an asymmetrical ball. In order for the bowler to achieve the maximum desired effect, knowledge of the following is highly beneficial:

You'll Want To Know

The Bowler's: 1/Ball Speed, 2/Axis Rotation, 3/Axis Tilt, 4/Desired Flare, 5/Revolutions and 6/The Lane Conditions – either Blend, Top Hat (wet/dry or Track Shot).

Drilling For Maximum Results

Once you know these six variables, we offer a choice of twenty two different Arc Drillings, Forward Rolling Drillings, Strong Drillings and Full-Roller Drillings for the Angle Evolution Reactive to produce maximum results.

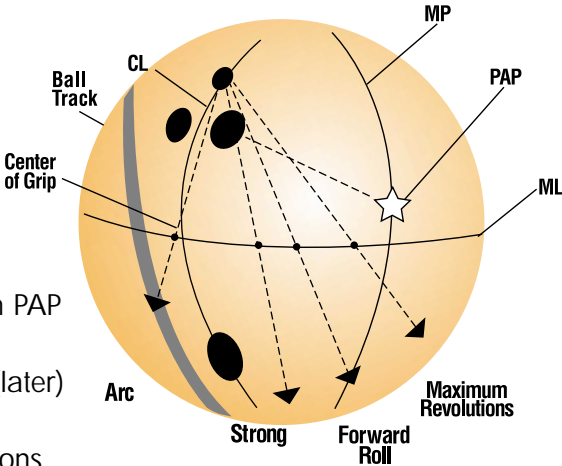
3. Forward Roll Drillings produce the highest rev-rates, so they should be used for heavily oiled lanes and carry down. Bowlers with higher ball speeds, large axis rotation and axis tilt (spinners) will benefit most.

4. Strong Drillings create the highest entry angles of all the PRI placements available. They work best when playing inside angles and when the bowler is trying to create area on the lanes with medium carry down.

5. The Hookability and Breakpoint of the Angle Extra can be changed by altering the surface of the ball through polishing or sanding.

6. Track Flare Management should be considered before drilling. Determine how much flare your customer needs to obtain the desired reaction. Using a leverage drilling with 6.5" of flare will not produce a **SNAPPING MOTION ON HEAVILY OILED LANES**. The more flare that is used, the earlier and more the ball will hook.

HIGH RG/STABLE PIN MOTION



- Pin 5"- 5.75" from PAP
- Small Flare 2"- 3"
- Maximum Length (later)
- Small Hook
- Drier Lane Conditions
and Slower Ball Speeds

**PRI locations pertain to
all drilling techniques:**

Maximum Revolution
1-2.5" beyond Midplane

Forward Roll
on Midplane

Strong
2.5" left of Midplane

Arc
Located near ball track

**PRI locations pertain to
all drilling techniques:**

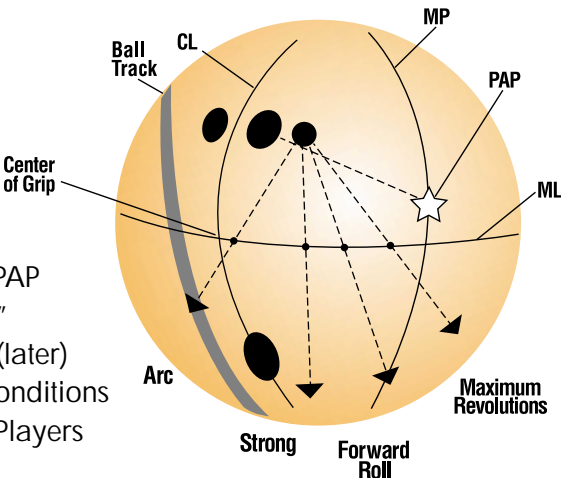
Maximum Revolution
1-2.5" beyond Midplane

Forward Roll
on Midplane

Strong
2.5" left of Midplane

Arc
Located near ball track

HIGH RG/MEDIUM PIN



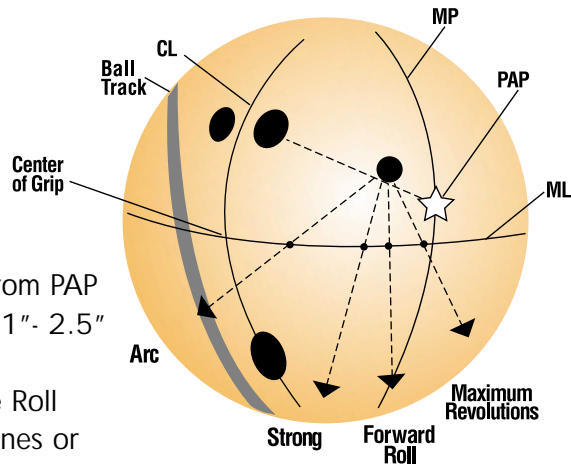
- Pin 4.25" from PAP
- Medium Flare 5"
- Medium Length (later)
- Medium Lane Conditions for a variety of Players

Balance holes can be used on all Angle Extra drilling techniques.

Balance holes can be used on all Angle Extra drilling techniques.

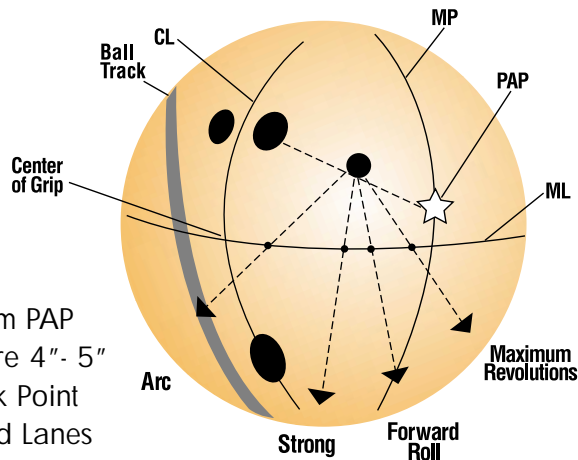
LOW RG/STABLE PIN

- Pin 1.25" from PAP
- Small Flare 1" - 2.5"
- Small Hook
- Early Stable Roll
- Wet/Dry Lanes or Track Shots

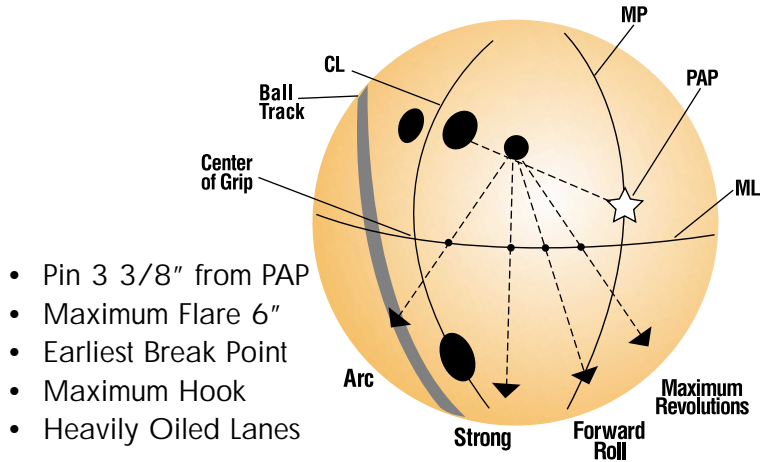


LOW RG/MEDIUM PIN

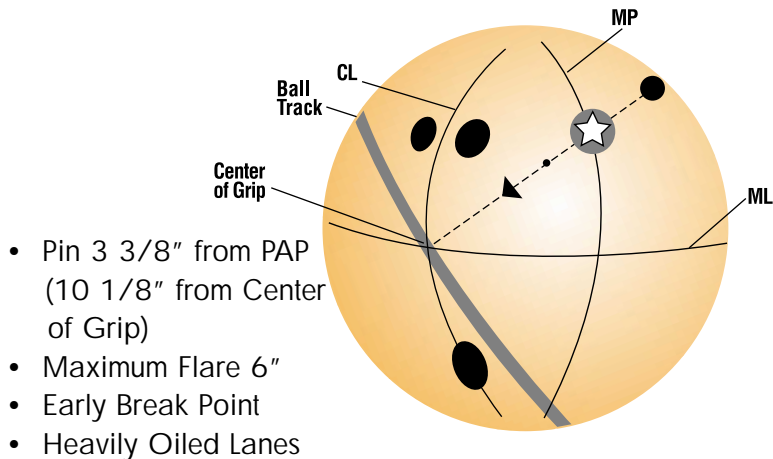
- Pin 2.5" from PAP
- Medium Flare 4" - 5"
- Earlier Break Point
- Freshly Oiled Lanes and bowler with higher ball speeds



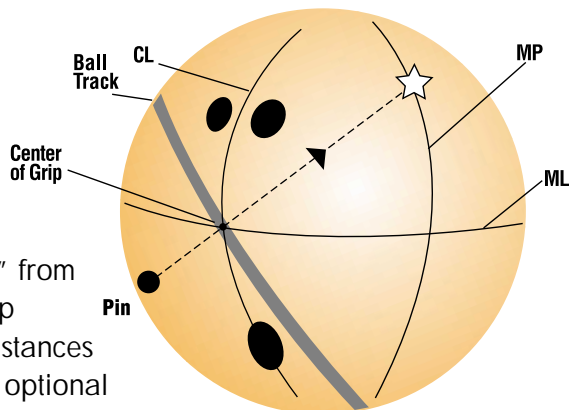
LEVERAGE/STRONG PIN



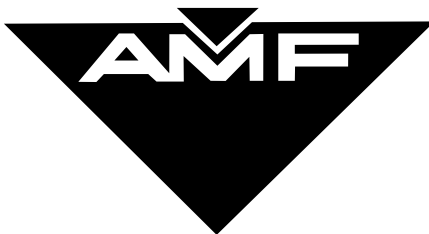
FULL ROLLER/#1 LEVERAGE



#2 FULL ROLLER LABEL



- Pin 4 1/4"-2" from Center of Grip
- Use all Pin Distances
- Balance hole optional
- Medium Lane Conditions and Even Arcing Motion



AMF Bowling, Inc.
8100 AMF Drive, Richmond, VA 23111
phone : 1-800-DIAL-AMF (804) 730-4000
facsimile : (804) 730-0652
www.amf.com
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