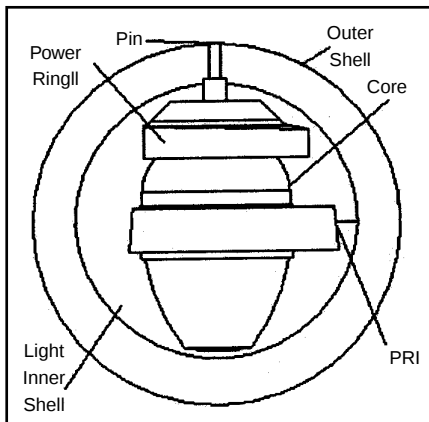


Drilling Instructions



Power Ring II Technology

The Angle Evolution combines many of today's breakthrough technologies into one ball. The latest is The Power Ring II core. AMF has taken the original Night Hawk core and made it stronger by placing an additional Power Ring in the flip block. This dual mass bias concept allows the ball to seek its preferred spin axis faster creating a stronger motion in the mid lane and backend area. These are the key areas on the lane when maximizing the scoring potential of any lane condition.

Tools Create Area and Carry

The key to scoring today is having the tools needed to generate more room for error (area) and high percentage of strikes (carry) when you hit the pocket. The Angle Evolution combines the 4 key ingredients for higher scores: Control of the break point, Versatility, A Higher Rev-Rate and Larger Entry Angles and Hook Potential. AMF is able to do this by matching the power of the Power Ring II core and SPT II coverstock together resulting in the most explosive and versatile bowling ball worthy of the Angle name.

Things To Remember

1. There are five pin placements, four PRI placements and two full-roller drillings offered for the Angle Evolution. 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 layouts of the Angle Evolution.** 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.

- Flare potential 6.5"
- Coverstock SPT II
- Finish V-Finish 1500 wet-sand
- Hook Rating (BTM new scale)9
- Back end (BTM new scale)9

BEFORE DRILLING

The innovative design of the Angle Evolution 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/The Lane Conditions and 6/Revolutions - 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 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.

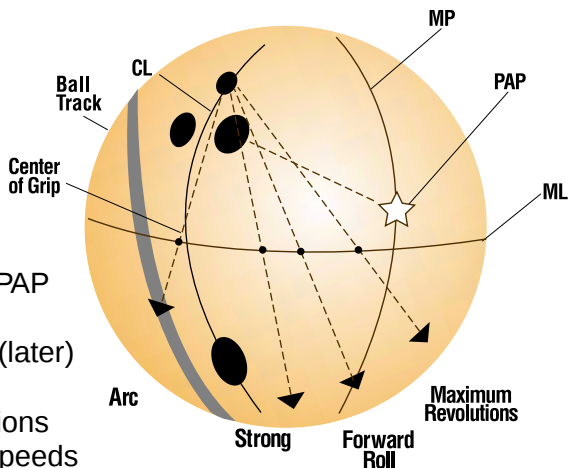
4. Strong Drillings create the highest entry angles of all the PRI placements available. They work best when playing inside angles and when the bowler is trying to create area on the lanes with medium carry down.

5. The Hookability and Breakpoint of the Angle Evolution 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

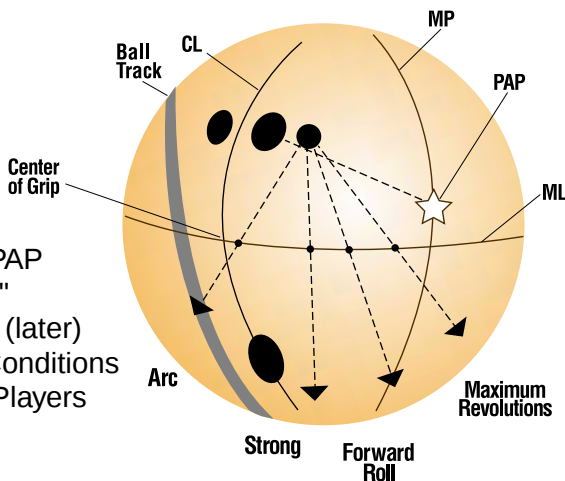


PRI Locations pertain to all drilling techniques

Maximum Revolution
1-2.5" beyond Midplane
Forward Roll
on Midplane
Strong
2.5" left of Midplane
Arc
Located near ball Track

HIGH RG/MEDIUM PIN

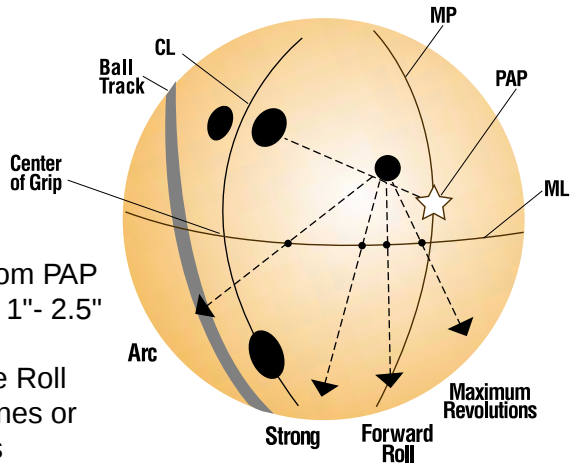
- Pin 4.25" from PAP
- Medium Flare 5"
- Medium Length (later)
- Medium Lane Conditions for a variety of Players



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

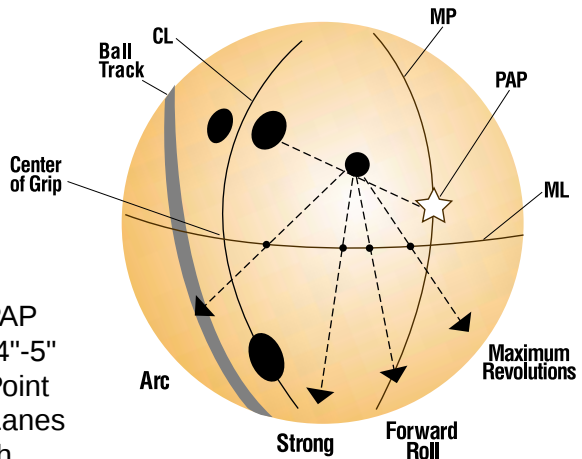
LOW RG/STABLE PIN

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

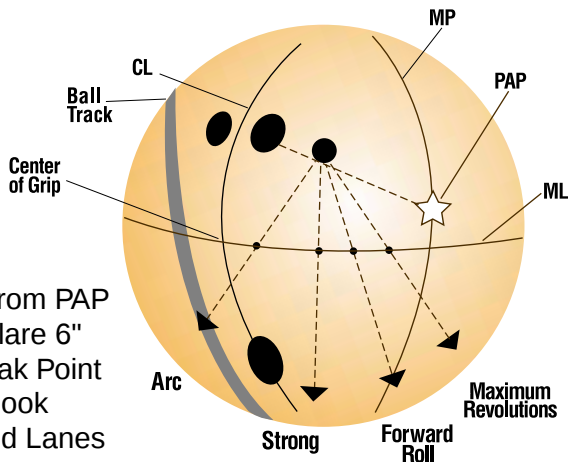


LOW RG/MEDIUM PIN

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

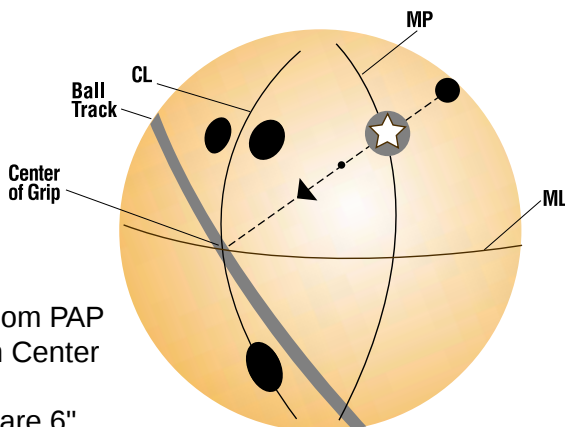


LEVERAGE/STRONG PIN



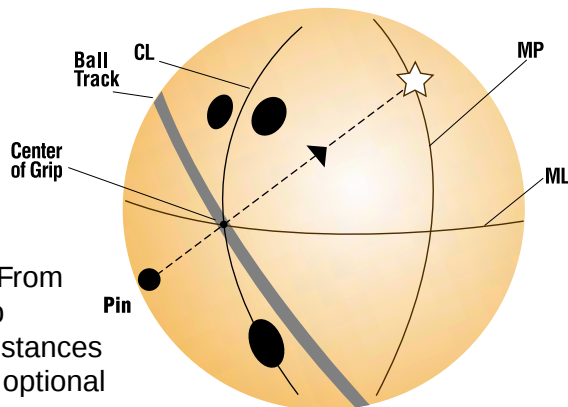
- Pin 3 3/8" From PAP
- Maximum Flare 6"
- Earliest Break Point
- Maximum Hook
- Heavily Oiled Lanes

FULL ROLLER/#1 LEVERAGE



- Pin 3 3/8" From PAP
(10 1/8" from Center of grip)
- Maximum Flare 6"
- Early Break Point
- Heavily Oiled Lanes

#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



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