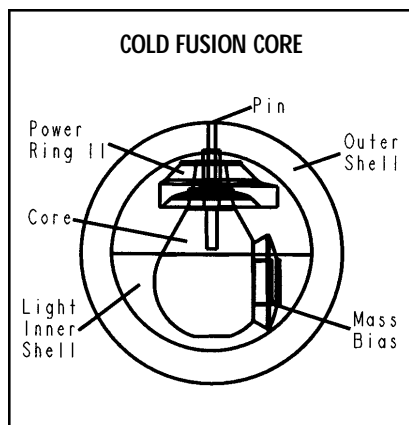


COLD FUSION

Drilling Instructions



BEFORE DRILLING

The innovative design of the Cold Fusion 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 Cold Fusion to produce maximum results.

The Cold Fusion Story

Recently AMF has designed and produced some of the highest quality bowling balls that have ever existed in the bowling industry. We have done this by providing a variety of balls that offer versatility with very high performance.

There is a reason for this ball being named The Cold FUSION. This ball "fuses" the proven control of a Light-Bulb core with the power of a unique Dual Mass Bias. The combined effect is to deliver a better combination of control of the mid lane while providing stronger backend, a higher spin rate, more hook, and a higher carry percentage.

The Super-Flex reactive coverstock provides more length and backend when the bowler is looking to create more area when the pattern starts to break down. This will allow the player's ball to turn the corner harder when playing extreme angles to the pocket.

THINGS TO REMEMBER

1. There are five pin placements, four PRI placements and two full-roller drillings offered for the Cold Fusion. 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 Cold Fusion. 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.

3. Forward Roll Drillings produce the highest rev-rates, so they should be used for heavily oiled lanes and carry down.

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.

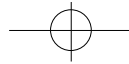
■ Coverstock	SuperFlex
■ Color	Dark Blue & Grey Pearl
■ RG	2.53"
■ Differential	0.050"
■ Hoot Rating	19.0-16.0 (13 - Backend)
■ Finish	3000 Polish

Bowlers with higher ball speeds, large axis rotation and axis tilt (spinners) will benefit most.

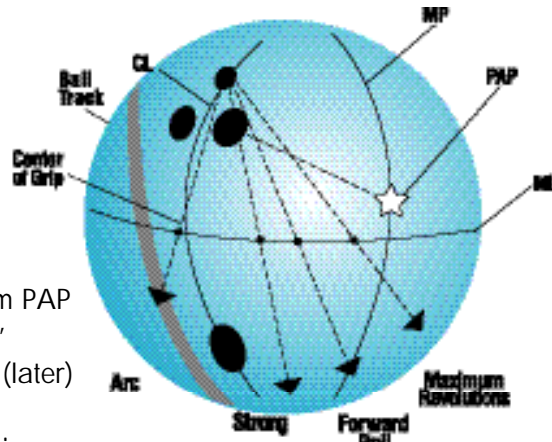
4. Strong Drillings create the highest entry angles of all the PRI placements available. They work best when playing inside angles and when the bowler is trying to create area on the lanes with medium carry down.

5. The Hookability and Breakpoint of the Cold Fusion 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

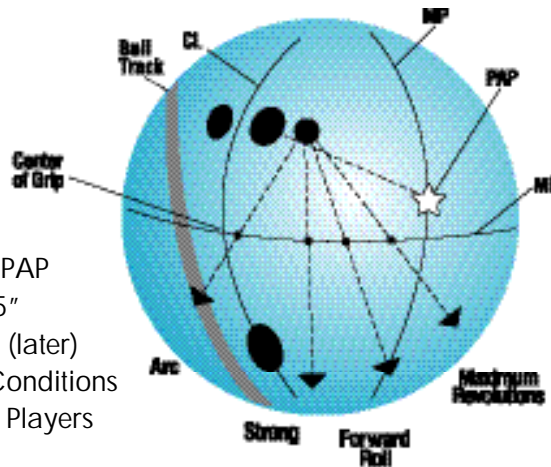
Forward Roll
on Midplane

Strong

2.5" left of Midplane
Arc

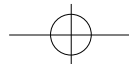
Located near ball track

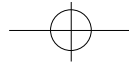
HIGH RG/MEDIUM PIN



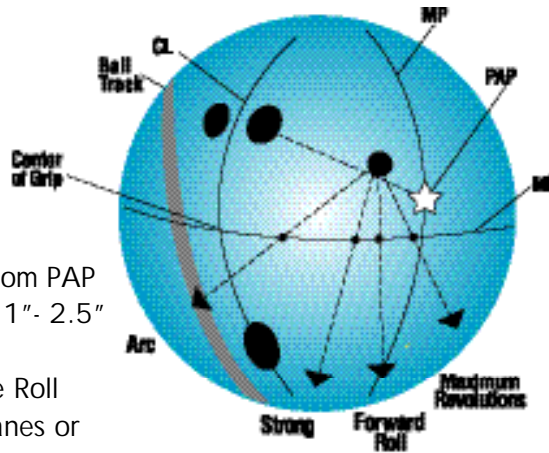
- Pin 4.25" from PAP
- Medium Flare 5"
- Medium Length (later)
- Medium Lane Conditions for a variety of Players

Balance holes can be used on all Cold Fusion drilling techniques.



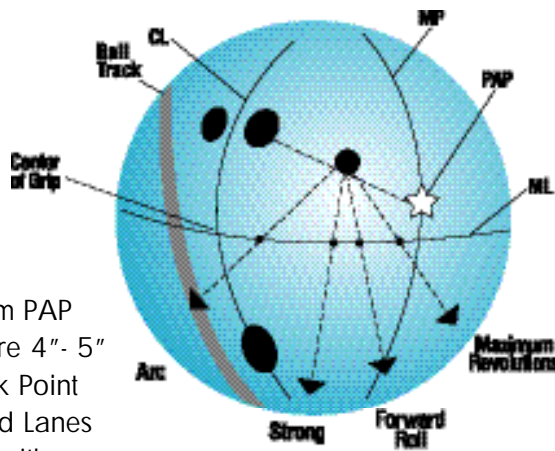


LOW RG/STABLE PIN

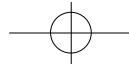


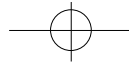
- Pin 1.25" from PAP
- Small Flare 1"- 2.5"
- Small Hook
- Early Stable Roll
- Wet/Dry Lanes or Track Shots

LOW RG/MEDIUM PIN

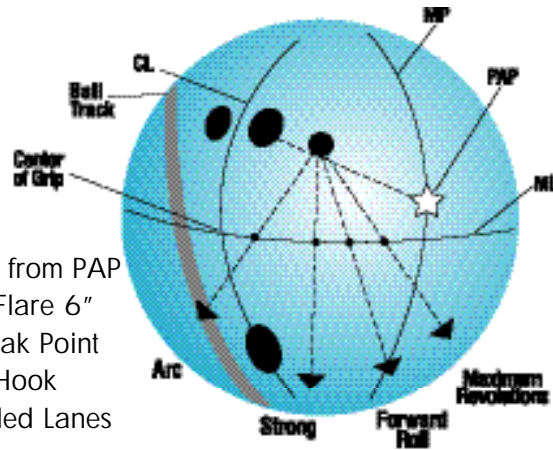


- Pin 2.5" from PAP
- Medium Flare 4"- 5"
- Earlier Break Point
- Freshly Oiled Lanes and bowler with higher ball speeds



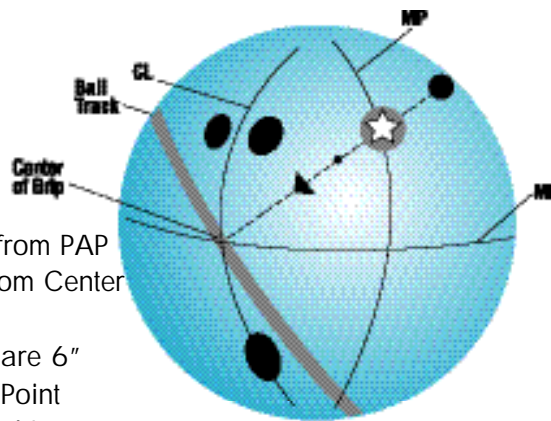


LEVERAGE/STRONG PIN

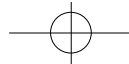


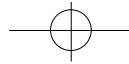
- Pin 3 3/8" from PAP
- Maximum Flare 6"
- Earliest Break Point
- Maximum Hook
- Heavily Oiled Lanes

FULL ROLLER/#1 LEVERAGE

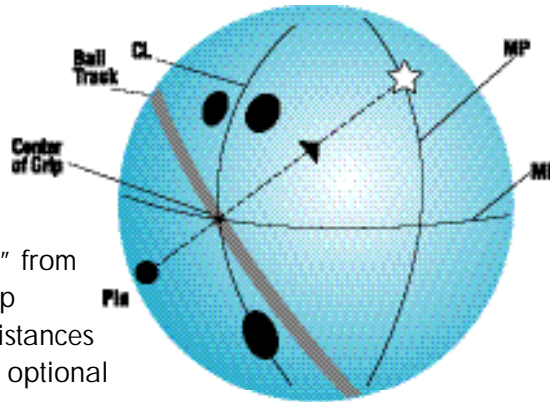


- Pin 3 3/8" from PAP
(10 1/8" from Center of Grip)
- Maximum Flare 6"
- Early Break Point
- Heavily Oiled Lanes





#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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