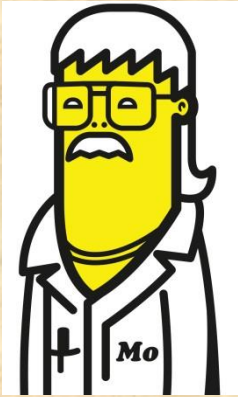


Radical Scoops the Core Modern Core Technology Explained



Article by
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Radical Bowling Technologies was formed to bring innovative, high tech performance to benefit bowlers of every skill level. Radical **Scoop Core Technology** enhances the versatility, as well as the performance level, for any Radical Technologies ball.

In order to understand the concept of the **Scoop Core** better, we have to understand the impact of the drilled holes

The published performance numbers for balls are for the undrilled ball. Once holes are put in a bowling ball, those numbers change drastically. **Scoop Core Technology** can significantly increase the performance as well as smooth out the performance when desired.

The scoop core offers many more options than a standard core technology.... . If the ball is drilled so the fingers holes hit the scoop, the performance of the drilled ball is significantly increased. On the other hand, if the finger holes are drilled into the top of the core, as with normal core designs, the resulting drilled ball will have less performance, but will have smoother motion. With **Scoop Core Technology**, you can provide both those motions from a single ball.

Another benefit of the development of the **Scoop Core** is the drilled ball chart provided by Radical in every ball box. This chart shows exactly how that ball will perform with many different drilling options. Without this chart, it is only a guess as to how the drilled ball will perform. A risk we, at Radical, feel the bowler and the ball driller should not have to take.

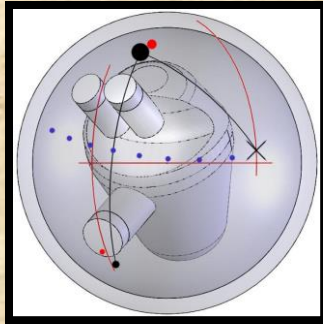
Without a doubt, **Radical Scoop Core Technology** offers a wider range of layouts making it one of the biggest innovations in ball drilling in the last decade. Based on our extensive research and testing, Radical's **Scoop Core Technology** increases the versatility and improves the ball performance. See for yourself.

Scoop Core continued

We will now show you, in detail, how Scoop Core Technology affects each of our ball lines. Let's start with the Ridiculous Here is the diagram of the Ridiculous Pearl core with a pin up versus a pin down drilling:

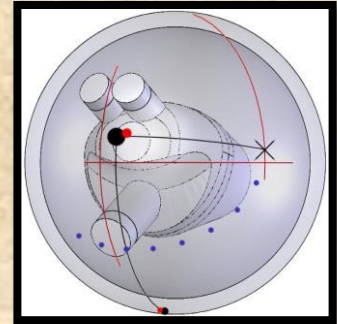
Ridiculous Pearl Length with Maximum Hit
(Pin Up Layout)

| | |
|------------|-------|
| RG PAP | 2.573 |
| Int Diff | 0.015 |
| Total Diff | 0.052 |



Ridiculous Pearl Length with Control
(Pin Under Layout)

| | |
|------------|-------|
| RG PAP | 2.573 |
| Int Diff | 0.010 |
| Total Diff | 0.038 |



Now is a good time to explain what each of those numbers mean.

The first number is the RG of the bowler's axis point for this drilling. It represents how easy it is to get the ball with this drilling down the lane. The higher the number, the further the drilled ball will go down the lane. Numbers less than 2.520 will rev up the soonest. Numbers more than 2.565 will read the lane the latest. Numbers between 2.520 and 2.565 will perform best on medium lane conditions.

The second number is the intermediate differential of the drilled ball. That shows how sharp the breakpoint of the drilled ball will be. Drilled balls with intermediate diffs. of .015, or less, will have the smoothest breakpoint. Drilled balls with intermediate diffs. of .025, or more, will have the sharpest breakpoints. Drilled balls with intermediate diffs. between .015 and .025 will have medium breakpoints.

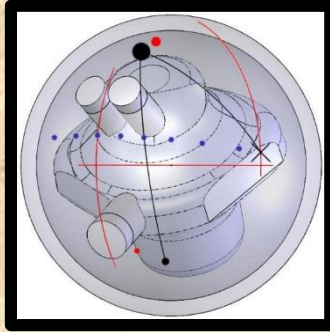
The last number is the total differential of the drilled ball. This number indicates the flare potential of the drilled ball, which affects the total hook of the drilled ball. Keep in mind that the coverstock, as well as its surface texture, is the biggest influence on the overall hook of a ball. Drilled balls with total diffs. less than .040 will flare and hook the least. Balls with total diffs. in excess of .055 will flare and hook the most. Drilled balls with total diffs. between .040 and .055 will provide medium flare and medium hook potential.

Scoop Core continued

Now let's look at the numbers of some other Radical drilled balls. Here are the core cutaways and resulting numbers for the Xeno and Guru.

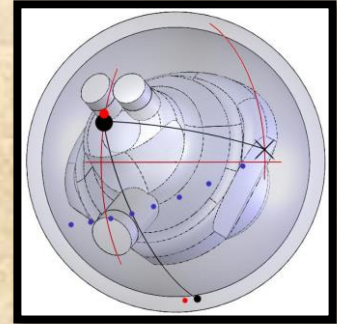
Xeno Length with Maximum Hit
(Pin Up Layout)

| | |
|------------|-------|
| RG PAP | 2.516 |
| Int Diff | 0.029 |
| Total Diff | 0.059 |



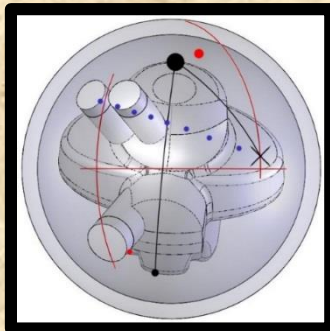
Xeno Length with Control
(Pin Under Layout)

| | |
|------------|-------|
| RG PAP | 2.513 |
| Int Diff | 0.022 |
| Total Diff | 0.048 |



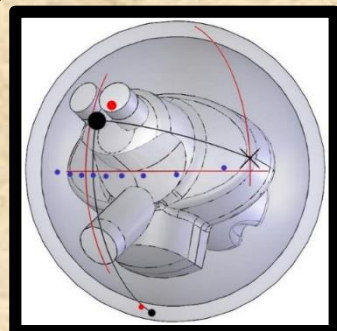
Guru Length Layout
(Pin Up Layout)

| | |
|------------|-------|
| RG PAP | 2.531 |
| Int Diff | 0.029 |
| Total Diff | 0.052 |



Guru Control Layout
(Pin Under Layout)

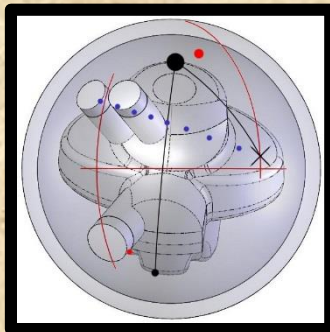
| | |
|------------|-------|
| RG PAP | 2.529 |
| Int Diff | 0.023 |
| Total Diff | 0.030 |



The addition of a balance hole in a strong position can significantly enhance the strength of the drilled ball. Here is an example of how much overall performance can be increased in a pin up drilling of a ball using Radical **Scoop Core Technology**. The results are dramatic.

Guru Length Layout

| | |
|------------|-------|
| RG PAP | 2.531 |
| Int Diff | 0.029 |
| Total Diff | 0.052 |



Guru Length Layout
(with balance hole)

| | |
|------------|-------|
| RG PAP | 2.538 |
| Int Diff | 0.050 |
| Total Diff | 0.075 |

