

Review of the MoRich Pioneer

Ball Information

Cover Type: Pearl Reactive

Cover Name: Gripper PR

Nature: Skid/Snap

Core Technology: Wedge Core

Enhanced Marked Mass Bias: Yes

Factory Finish: Polished

Color: Blue w/Green logos

Box Drilling Used For Tests: "Control"

THE
PIONEER



Ball Layout

"Control" layout, from the box drilling instructions. Designed to produce small to medium track flare, increased length, and later, smoother hook on light to medium oil.

Pin to PAP distance 4 1/2"

RC (mass bias) to PAP distance 6 1/4"

Test Patterns Used

Pattern #1

40 ft. Fresh House Condition with stripped backends on wood lanes

Pattern #2

45 ft. FIQ Compliant 3 to 1 blend
(5 units of oil minimum)

About the Tester

Hand: Right

PAP (positive axis point): 5" over by 1/2" up

Rev Rate: 310 rpm

Ball Speed at Release: 18 mph

Axis Rotation: 45 degrees

Axis Tilt: 15 degrees

Maximum Flare Potential: Large

Even with a reduced flare drilling, The Pioneer produced 1 1/2" of flare in the oil *plus* 3 1/2" of flare on the backend, equaling **5" of Total Track Flare**. This ratio of flare in the oil (30%) compared to the backend (70%), results in a ball that gets through the heads with ease and makes a strong move to the pocket.

Mass Bias: Mild Asymmetrical

Mass Bias Differential: .004

DeTerminator Spin Time: 13.2 seconds

Hook

Surface preparation: wet sanded with 600 grit paper

Pattern #1- Started the ball on board 25, crossed the arrows at 13, going out to about 5 at the break point. Motion was surprisingly controllable through the oil for a pearl reactive (due to the duller finish we tested with) and quite strong at the break point, with plenty of power at the pins.

Pattern #2- Started the ball on board 30, crossed the arrows at 16, going out to about 9 at the break point. Again, the motion was controllable through the oil; especially on this "more difficult" pattern. The move on the backend was quite impressive.

Length

Surface preparation: wet sanded with 1200 grit paper and polished

The Pioneer was much, much longer (several feet) with the polished surface. Moving right with my feet and target was an absolute must. It pushed through the fronts very easily, which in turn stored the energy longer for a much stronger move to the pocket on the backend. Messengers "were a flying"!

Overall review of the MoRich Pioneer

The Pioneer, with it's pearl reactive cover and "wedge core", proved to be a very versatile piece of equipment. Extremely capable of producing skid/snap, this is absolutely a "must have" ball, when the oil pattern breaks down. The Pioneer is a great choice for anyone wishing to give "Mass Bias Technology" a try, without spending an arm and a leg!

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