



Lake Wales, Fla. based **Kegel** company has created the '**Kegel Navigation Patterns**' to educate and increase awareness about different types of oil patterns as well as help the bowling center proprietors, mechanics and tournament organizers provide their customers with some other quality pattern options.

Until now, there have not been many pattern choices or a difficulty level between 'House' and 'USBC Sport Bowling' patterns. USBC's Sport Bowling is a good description of difficulty but the definition of 'House' only means what bowling has given to it.

"At Kegel we realize everyone is searching for some kind of direction," said Kegel's Ted Thompson.

"Creating oil patterns that are very easy is not too difficult. Creating oil patterns that are very tough is also not too difficult. Creating oil patterns that are challenging but not cruel to the bowlers however is very difficult.

"For this reason, as well as the lack of available medium type patterns, we have taken a few of the more successful patterns used in high level events and tweaked them to fit into that medium difficulty range.

"This medium difficulty level we created is the Challenge Series of oil patterns. We feel it will be the most embraced where participants want something more challenging than house (Recreation) patterns but not so difficult as World Championship or professional type patterns that adhere to USBC Sport Bowling parameters. "

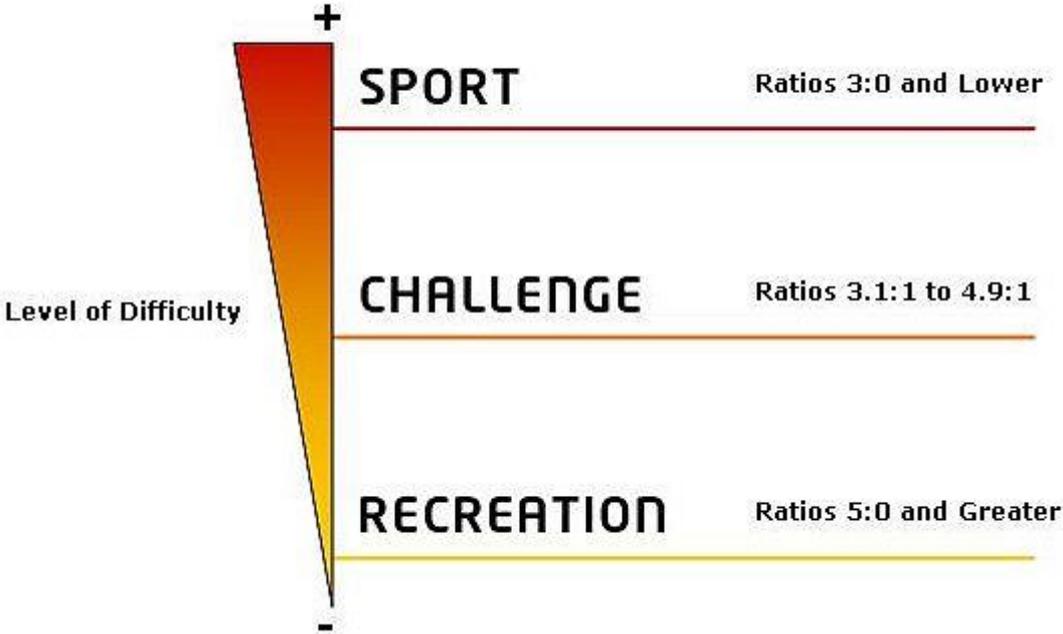
All of the Kegel Navigation Patterns are grouped and separated by three levels of difficulty; Sport, Challenge and Recreation.

The Kegel Recreation Series of oil patterns are ratios of 5:1 or greater, the Kegel Challenge Series oil patterns are ratios between 3:1 - 5:1 and climbing to the top of the ladder, all Kegel Sport Series oil patterns are USBC Sport Bowling compliant which adhere to ratios of 3:1 or less.

The Kegel Navigation Patterns are available in Kegel's Pattern Library on www.kegel.net to view and download for free while Kegel's award winning Technical Support department, Lane Maintenance Central, will be available for questions and to assist in setting up these patterns in your bowling center for your customers.



Meet the Pattern Series



Meet the Icons for the Pattern Series



The background colors and the road figures represent the level of difficulty for the series.

Meet the new Kegel 'Kode' System for each Pattern



Check the KODE of the patterns for quick reference

the pattern is 39 feet long.

The 'KODE' of the pattern is a quick reference guide to the technical details of each pattern.

You'll notice four numbers above the category reference.

The first two numbers represent the ratio of the pattern per USBC Sport Bowling parameters. In the example, the number 28 tells us the pattern has a side-to-side ratio of 2.8 to 1 at the 22' mark.

The second two numbers represent the distance of the pattern. In the example, the number 39 tells us

Sport



SPORT

Boardwalk - 2435

Based upon the 2000 PBA Indianapolis Open pattern which was created by Kegel, this pattern is designed to play towards the edge board. Because of the relatively short 35 foot length of the BOARDWALK, players will need to control the excessive change of direction of the bowling ball as it enters the 25 feet of dry backend. Since lanes do have many topographical differences, on some lanes the BOARDWALK will require a more direct route to the pocket while other lane characteristics may allow players to swing the ball to the edge board. Like all wooden walkways, this pattern can provide great excitement but stray too far off the BOARDWALK and you'll find yourself in the moat!



Winding Road - 2839

This oil pattern uses a distance of 39 feet with very little downlane help to guide the ball into the pocket. Because of the lower ratios towards the end of pattern, the greatest factor on how the WINDING ROAD will play is the lane surface and how the bowlers breakdown the pattern. The WINDING ROAD could play more inside or it could play more outside but the player who figures it out will straighten out the WINDING ROAD!



Highway To Hell - 2340

This 40 foot pattern is the flattest of the group and therefore can be the most difficult. With an increased amount of conditioner outside, the HIGHWAY TO HELL is a low latitude ratio pattern with very little left to right shape to help guide the bowling ball towards the pocket. Each player will have to decide and make sense of their ball reaction to decide what's best for them to find their way down the HIGHWAY TO HELL!



Dead Man's Curve - 3043

This 43 foot pattern has more out of bounds than most patterns because of the increased application of conditioner on the forward pass. With a slight increase slope of oil from the tenth board to the fourteenth board on the return pass, the goal of the player is to target along those boards of extra conditioner without swinging the ball too much towards the outside part of the lane. Players who try to excessively curve the ball with too much speed will find DEAD MAN'S CURVE hazardous to their score.



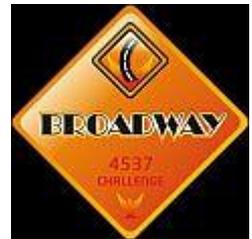
Challenge



CHALLENGE

Broadway - 4537

This 37 foot pattern is named after the wide open street in Manhattan called BROADWAY, which ironically originates at a park called Bowling Green. BROADWAY was originally translated from the Dutch name of 'Breede weg' because of its location in New Amsterdam. Because of the medium short length of this pattern and light volume of conditioner towards the outside portion of the lane, players can arrive to the pocket on the BROADWAY from multiple directions.



Middle Road - 4239

In political terms, this pattern is centrism in nature because the characteristics lie between the extremes of having to play too far to the right or too far to the left. The MIDDLE ROAD is a 39 foot pattern that is moderately challenging; it's not too easy nor is it not too tough. The best mindset and line for this pattern is usually somewhere near the middle of the road.



Beaten Path - 3141

This 41 foot pattern is much like the MIDDLE ROAD but two feet longer. Because of this added length, the options of attack will be a little more limited and the pattern will usually play where the most worn or highest friction part of the lane surface is. The players who excel in reading the lanes will easily find the BEATEN PATH and make this pattern look relatively easy. If you veer too far off the BEATEN PATH, it will play more difficult.



Route 66 - 4345

As one the longest roads in America, so is this pattern in the series. At 45 feet in length, and as with most long oil patterns, the optimum line is usually one that is closer to the pocket or more towards the inside portion of the lane. The greatest slope of conditioner on the ROUTE 66 is from the 11th board to the 16th board so players should target along this route. Outside of that slope, the pattern is flat so there will be very little room for error.



Recreation



RECREATION

Easy Street - 7938

Because of the medium distance of this pattern, it is favorable to many different styles and ball choices. Bowlers with higher rev rates can easily swing the ball and bowlers with lower rev rates can play more direct. This pattern is just like walking down EASY STREET with no worries on a nice summer day.



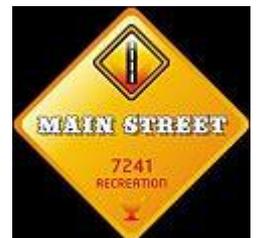
Wall Street - 7240

Unlike WALL STREET of today, this 40 foot pattern yields no surprises and is defined heavily at the 10th board. To be successful on the WALL STREET, we advise you to place your position near the big dot and bowl over the second arrow so your scores will flourish!



Main Street - 7241

This 41 foot pattern is typical of the many house shots used across the USA. Using a slight blend, the MAIN STREET is a pattern that enables many different styles to score while socializing and hanging out with friends.



High Street - 8144

At 44 feet in length, the oil line is very high and extends far down lane giving hold area like no other pattern in the series. Players will have to target along the highest point of oil much longer to prosper on the HIGH STREET.

