KEGEL

CHALLENGE
SERIES

KEGEL NAVIGATION PATTERNS

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. ♫ If you get hip to this tip, take that bowling center trip to get your kicks on ROUTE 66! ♫

Latitude Ratio Coordinates
22’ 4.3 to 1
43’ 2.6 to 1

Longitude Ratio Coordinates
Outside Taper 3.4 to 1
Inside Taper 3.2 to 1

Pattern Distance
45 Feet

Pattern Volume
Forward 10.30 mL
Reverse 13.00 mL
Total 23.30 mL

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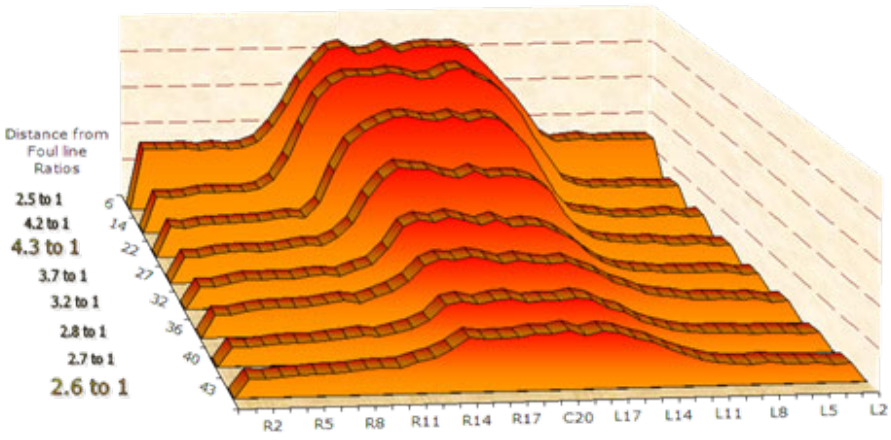
Latitude Ratio Coordinates

22’ 4.3 to 1
43’ 2.6 to 1



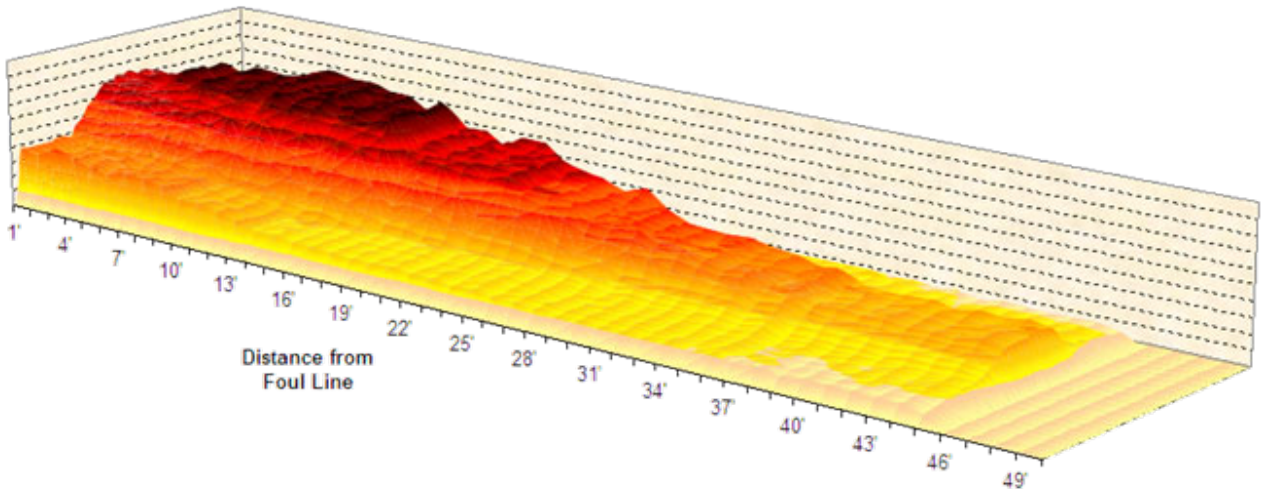
The 2D chart on the left was generated by Lane Monitor showing select tapes and ratios at key distances throughout the pattern. USBC Sport Bowling ratios are calculated at 22’ and 2’ before the end of the pattern. All Latitude Ratio Coordinates are calculated from these two distances.

Latitude ratios in the last half of the pattern can be an indicator of the difficulty of a pattern. Generally, the lower the ratios down lane, the more difficult the pattern.

Longitude Ratio Coordinates

Outside Taper 3.4 to 1
Inside Taper 3.2 to 1

The 3D chart below was generated by taking tapes every foot of the pattern. This gives a visual of how the conditioner tapers off from the front to the end of the pattern.



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Kegel Sanction Technology™ Lane Machine Settings

Oil per Board (Pump Setting): 50 µL

Pattern Distance: 45 feet

Forward Settings									
Screen #	Left End of Stream	Right End of Stream	# Loads or Streams	Travel Speed (in/sec)	Beginning Distance of Load (feet)	Ending Distance of Load (feet)	# Boards Crossed per Load	Total Boards Crossed	Total Volume of Oil (µL)
01F	2	2	3	14.00	0.00	3.90	37	111	5550
02F	12	12	1	14.00	3.90	5.80	17	17	850
03F	13	13	2	18.00	5.80	10.90	15	30	1500
04F	14	14	2	18.00	10.90	16.00	13	26	1300
05F	15	15	2	18.00	16.00	21.10	11	22	1100
06F	2	2	0	18.00	21.10	26.00			
07F	2	2	0	26.00	26.00	36.00			
08F	2	2	0	30.00	36.00	45.00			
09F									
Forward Buff Screens: 3			Forward # Boards Crossed | Volume mL					206	10.30
Reverse Settings									
Screen #	Left End of Stream	Right End of Stream	# Loads or Streams	Travel Speed (in/sec)	Beginning Distance of Load (feet)	Ending Distance of Load (feet)	# Boards Crossed per Load	Total Boards Crossed	Total Volume of Oil (µL)
01R	2	2	0	30.00		36.00			
02R	14	14	2	22.00	36.00	29.80	13	26	1300
03R	13	13	2	18.00	29.80	24.70	15	30	1500
04R	12	12	2	18.00	24.70	19.60	17	34	1700
05R	11	11	2	14.00	19.60	15.70	19	38	1900
06R	10	10	1	14.00	15.70	13.80	21	21	1050
07R	2	2	3	14.00	13.80	7.90	37	111	5550
08R	2	2	0	14.00	7.90	0.00			
09R									
			Reverse # Boards Crossed | Volume mL					260	13.00
			Forward plus Reverse Boards Crossed | Volume mL					466	**23.30**

KOSI

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The charts on this page are generated by Kegel's KOSI software from the lane machine program sheet.

The **OVERHEAD CHART** on the right shows where the conditioner is applied on both the forward and reverse screens. The gradient area is a calculation of how the conditioner might bleed off the buffer brush.

The **COMPOSITE GRAPH** below shows the total amount of conditioner applied to every board. A good way to think about this graph is to envision all the conditioner on the lane being pushed back to the foul line. Once all the conditioner is stacked up, this is what it would look like.