KEGEL

SPORT
SERIES

KEGEL NAVIGATION PATTERNS



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SPORT SERIES



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!

Latitude Ratio Coordinates
22’ 2.8 to 1
37’ 2.4 to 1

Longitude Ratio Coordinates
Outside Taper 4.2 to 1
Inside Taper 3.5 to 1

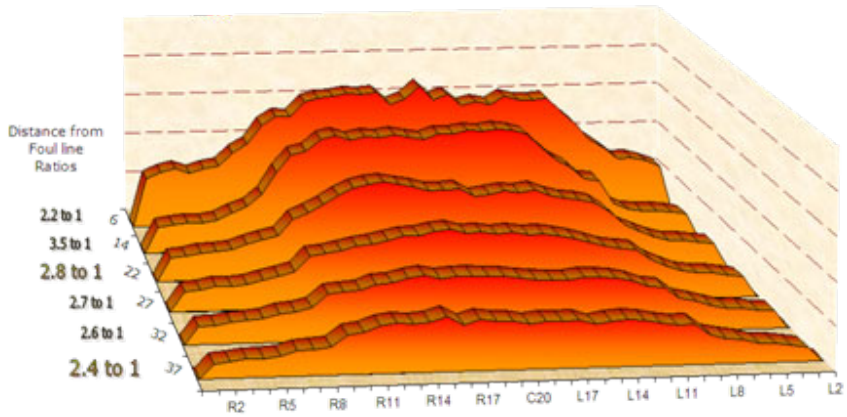
Pattern Distance
39 Feet

Pattern Volume
Forward 12.10 mL
Reverse 10.35 mL
Total 22.45 mL

WINDING ROAD
2839

Latitude Ratio Coordinates

22’ 2.8 to 1
37’ 2.4 to 1



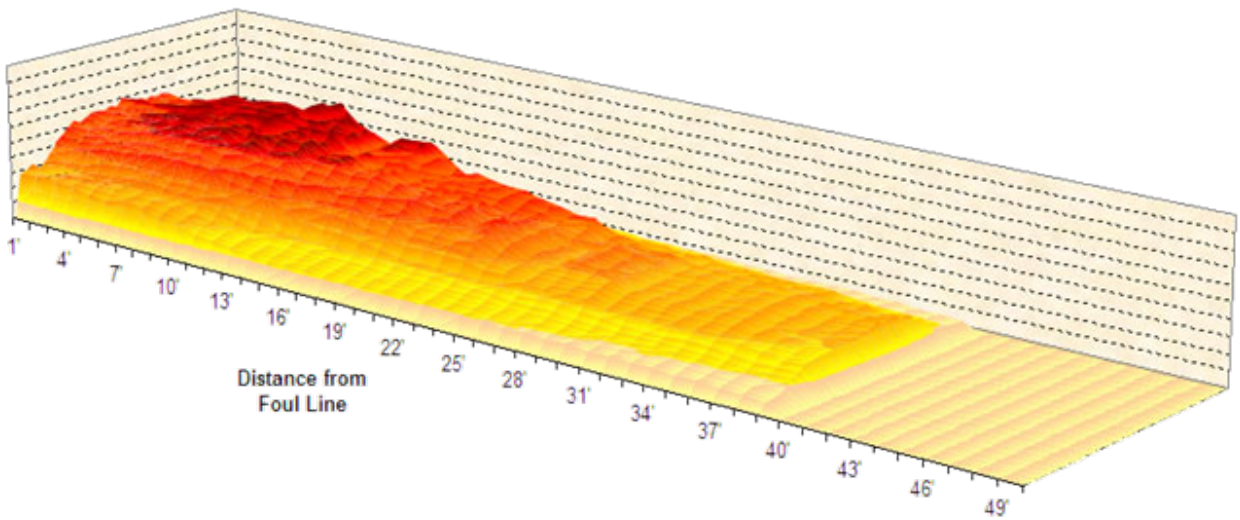
The 2D chart on the left was generated by Lane Monitor showing select tapes and ratios at key distances throughout the pattern. USBC Sport Bowling ratios are calculated at 22’ and 2’ before the end of the pattern. All Latitude Ratio Coordinates are calculated from these two distances.

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 4.2 to 1
Inside Taper 3.5 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.





WINDING ROAD 2839

Kegel Sanction Technology™ Lane Machine Settings

Oil per Board (Pump Setting): 50 µL

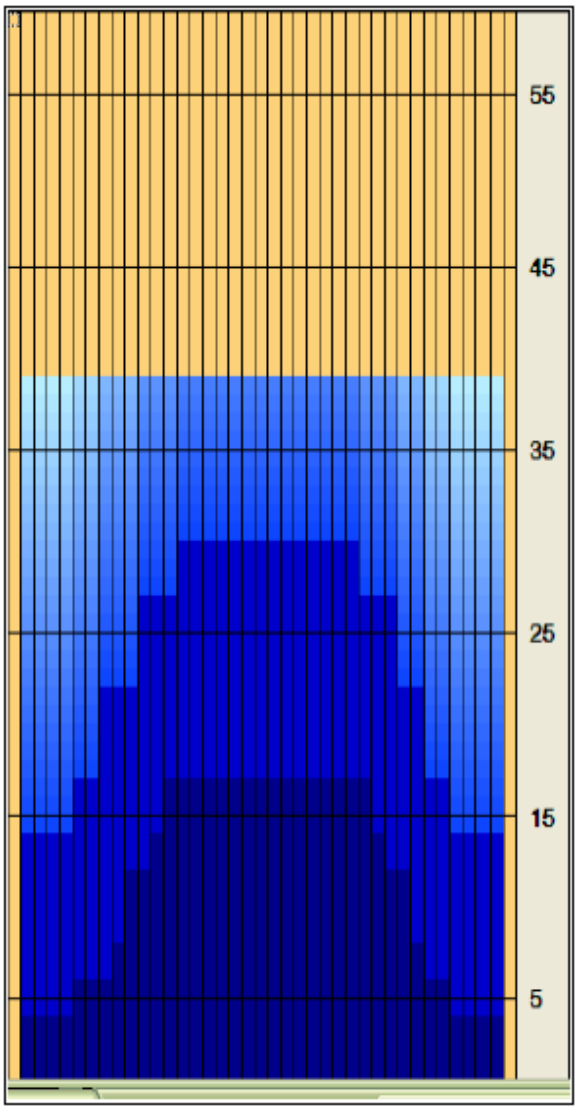
Pattern Distance: 39 feet

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	6	6	1	14.00	3.90	5.80	29	29	1450
03F	9	8	1	14.00	5.80	7.70	24	24	1200
04F	10	9	2	14.00	7.70	11.60	22	44	2200
05F	12	11	1	18.00	11.60	14.10	18	18	900
06F	13	12	1	18.00	14.10	16.60	16	16	800
07F	2	2	0	18.00	16.60	24.00			
08F	2	2	0	22.00	24.00	35.00			
09F	2	2	0	30.00	35.00	39.00			
Forward Buff Screens: 3			Forward # Boards Crossed | Volume mL					242	12.10
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		29.00			
02R	14	13	1	22.00	29.00	25.90	14	14	700
03R	11	10	2	18.00	25.90	20.80	20	40	2000
04R	8	8	2	18.00	20.80	15.70	25	50	2500
05R	6	6	1	18.00	15.70	13.20	29	29	1450
06R	2	2	2	14.00	13.20	9.30	37	74	3700
07R	2	2	0	14.00	9.30	0.00			
08R									
09R									
			Reverse # Boards Crossed | Volume mL					207	10.35
			Forward plus Reverse Boards Crossed | Volume mL					449	**22.45**

KOSI

WINDING ROAD 2839

Forward Oil
Reverse Oil
Combined Oil
Buff Area



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.

