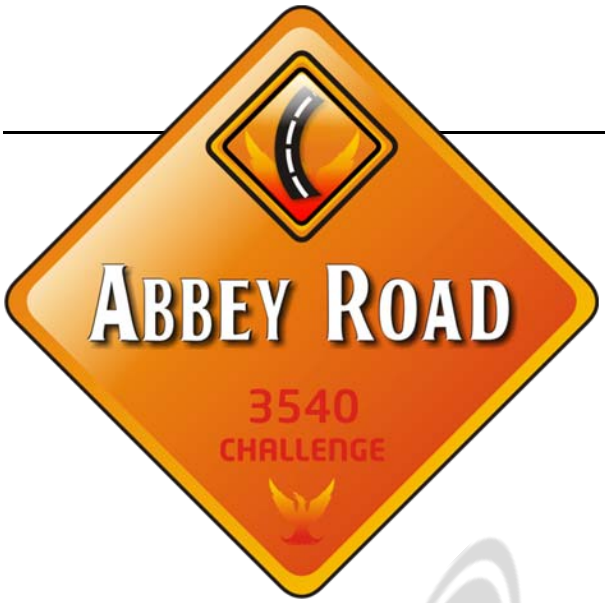
KEGEL

CHALLENGE
SERIES

KEGEL NAVIGATION PATTERNS



ABBEY ROAD
3540

Like the goal of the famous album, this pattern is designed more like the way things used to be; back to the basics. Players should try different lines across the Abbey Road and watch out for traffic to find their best way to the scoring side.

For some it may be on the corner while for others towards the middle, but like the last line the Beatles ever sang… *"in the end the score you take is equal to the score you make."*

Latitude Ratio Coordinates
22' 3.5 to 1
38' 3.1 to 1

Longitude Ratio Coordinates
Outside Taper 5.1 to 1
Inside Taper 4.0 to 1

Pattern Distance
40 Feet

Pattern Volume
Forward 16.60 mL
Reverse 7.60 mL
Total 24.20 mL

ABBEY ROAD
3540

Latitude Ratio Coordinates

22’ 3.5 to 1
38’ 3.1 to 1

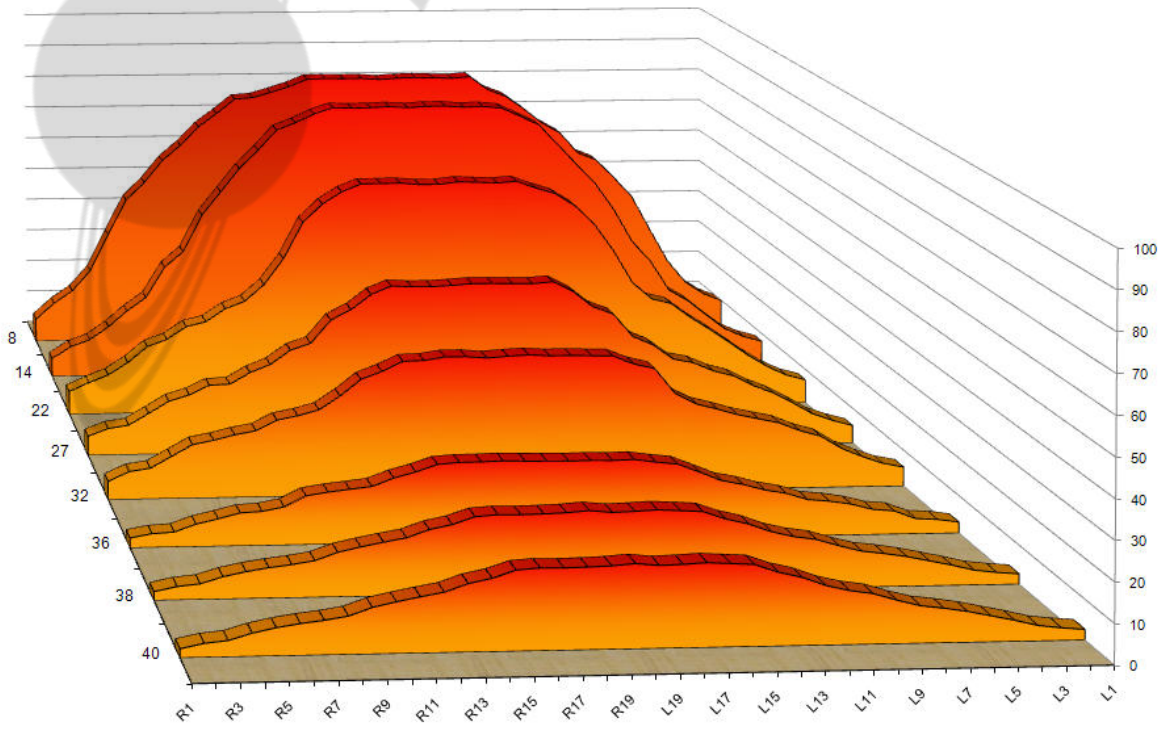
The 2D chart below was generated by Lane Monitor showing select tapes and ratios at key distances throughout the pattern. USBC Sport Bowling ratios are calculated at 22’ and 2’ before the end of the pattern. All Latitude Ratio Coordinates are calculated from these two distances.

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 5.1 to 1
Inside Taper 4.0 to 1

The 2D chart also gives a visual of how the conditioner tapers off from the front to the end of the pattern. Because of the drop brush feature used in this pattern, there is a greater amount of taper at the end of the pattern.



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Kegel Sanction Technology™ Lane Machine Settings

Oil per Board (Pump Setting): 50 µL

Pattern Distance: 40 feet

Reverse Drop Brush: 34 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	2	14.00	0.00	1.90	37	74	3700
02F	4	4	1	14.00	1.90	3.80	33	33	1650
03F	5	5	1	14.00	3.80	5.70	31	31	1550
04F	6	6	1	14.00	5.70	7.60	29	29	1450
05F	7	7	1	14.00	7.60	9.50	27	27	1350
06F	9	9	2	14.00	9.50	13.40	23	46	2300
07F	11	11	2	18.00	13.40	18.50	19	38	1900
08F	13	13	2	18.00	18.50	23.60	15	30	1500
09F	14	14	1	18.00	23.60	26.10	13	13	650
10F	15	15	1	18.00	26.10	28.60	11	11	550
11F	2	2	0	18.00	28.60	31.00	0	0	0
12F	2	2	0	26.00	31.00	40.00	0	0	0
Forward Buff Screens: 2			Forward # Boards Crossed | Volume mL					332	16.60
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		22.00	0	0	0
02R	12	12	1	18.00	22.00	19.50	17	17	850
03R	10	10	1	18.00	19.50	17.00	21	21	1050
04R	8	8	1	18.00	17.00	14.50	25	25	1250
05R	7	7	1	18.00	14.50	12.00	27	27	1350
06R	6	6	1	14.00	12.00	10.10	29	29	1450
07R	4	4	1	14.00	10.10	8.20	33	33	1650
08R	2	2	0	14.00	8.20	0.00	0	0	0
			Reverse # Boards Crossed | Volume mL					152	7.60
			Forward plus Reverse Boards Crossed | Volume mL					484	**24.20**

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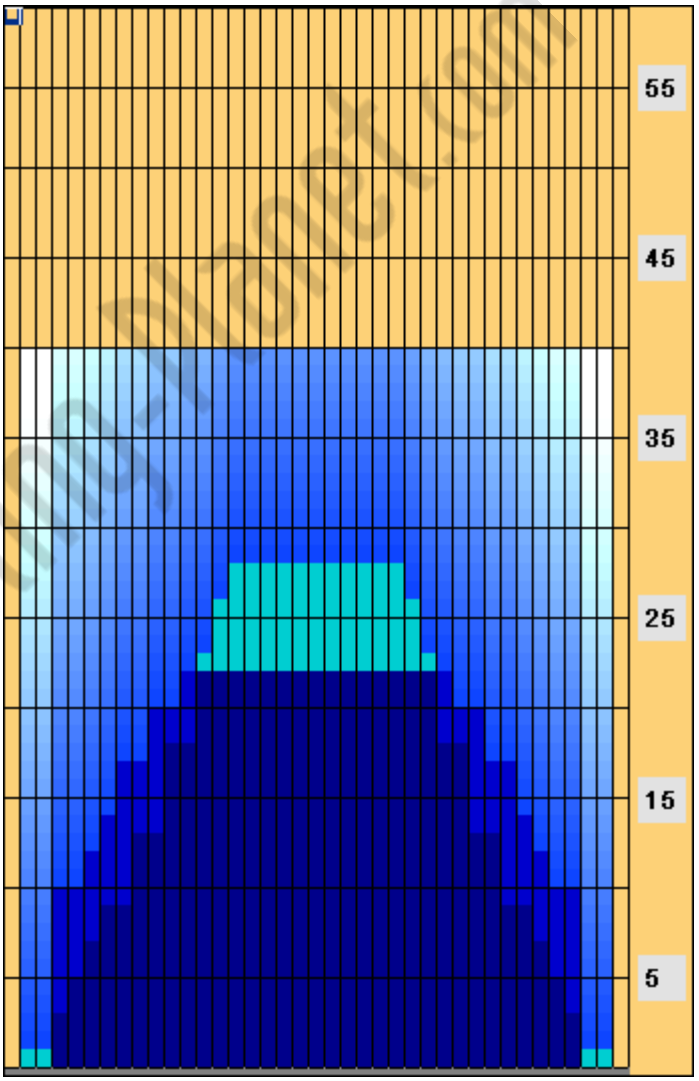

The charts on this page are generated by Kegel's KOSI software from the lane machine program sheet.

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.