



RECREATION
SERIES

KEGEL NAVIGATION PATTERNS





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.

Latitude Ratio Coordinates

22' 7.2 to 1

39' 4.7 to 1

Longitude Ratio Coordinates

Outside Taper 2.7 to 1

Inside Taper 1.9 to 1

Pattern Distance

41 Feet

Pattern Volume

Forward 8.55 mL

Reverse 10.75 mL

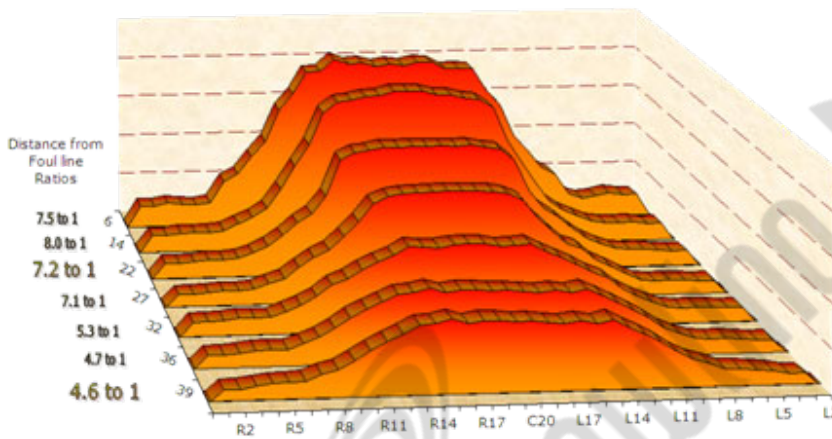
Total 19.30 mL



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Latitude Ratio Coordinates

22' 7.2 to 1
39' 4.6 to 1



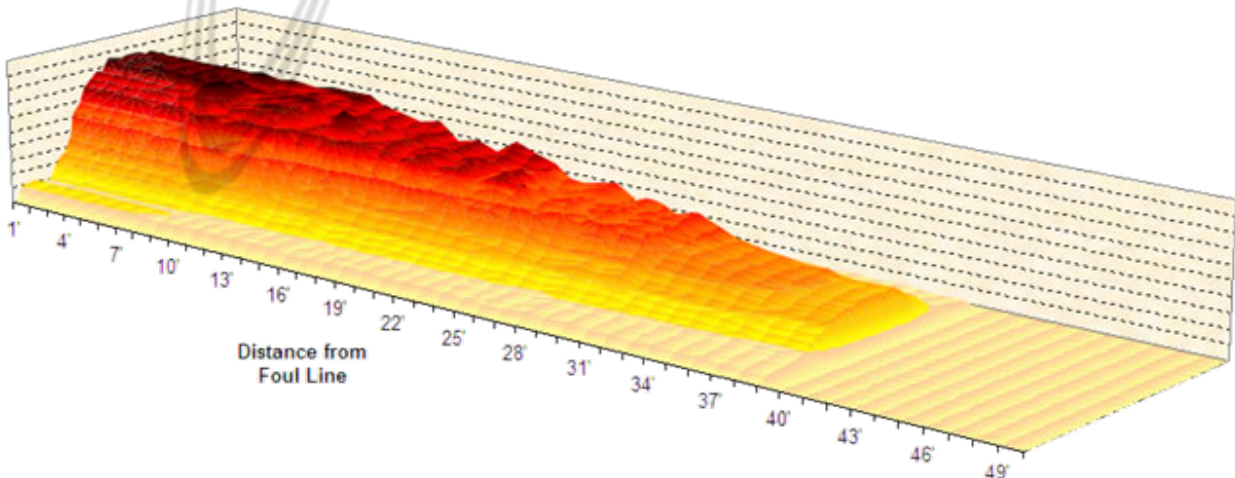
The 2D chart on the left was generated by Lane Monitor showing select tapes and ratios at key distances throughout the pattern. USBC Sport Bowling ratios are calculated at 22' and 2' before the end of the pattern. All Latitude Ratio Coordinates are calculated from these two distances.

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 2.7 to 1
Inside Taper 1.9 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 μ L

Pattern Distance: 41 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 (μ L)	
01F	2	2	2	18.00	0.00	2.50	37	74	3700	
02F	8	8	1	18.00	2.50	5.00	25	25	1250	
03F	10	10	2	18.00	5.00	10.10	21	42	2100	
04F	13	13	2	18.00	10.10	15.20	15	30	1500	
05F	2	2	0	18.00	15.20	24.00				
06F	2	2	0	22.00	24.00	33.00				
07F	2	2	0	30.00	33.00	41.00				
08F										
09F										
Forward Buff Screens: 3			Forward # Boards Crossed Volume mL					171	8.55	
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 (μ L)	
01R	2	2	0	30.00		35.00				
02R	15	15	1	22.00	35.00	31.90	11	11	550	
03R	14	14	2	18.00	31.90	26.80	13	26	1300	
04R	13	13	4	18.00	26.80	16.60	15	60	3000	
05R	11	11	4	14.00	16.60	8.70	19	76	3800	
06R	10	10	2	10.00	8.70	5.90	21	42	2100	
07R	2	2	0	10.00	5.90	0.00				
08R										
09R										
Reverse # Boards Crossed Volume mL								215	10.75	
Forward plus Reverse Boards Crossed Volume mL								386	19.30	





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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.



Forward Oil
Reverse Oil
Combined Oil
Buff Area

