



RECREATION
SERIES

KEGEL NAVIGATION PATTERNS





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.

Latitude Ratio Coordinates

22' 8.1 to 1

42' 5.5 to 1

Longitude Ratio Coordinates

Outside Taper 2.9 to 1

Inside Taper 1.8 to 1

Pattern Distance

44 Feet

Pattern Volume

Forward 10.85 mL

Reverse 10.25 mL

Total 21.10 mL



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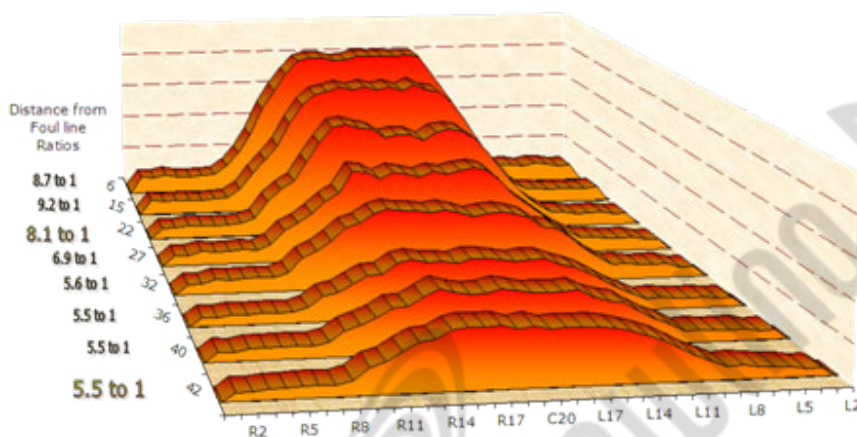


HIGH STREET 8144

Latitude Ratio Coordinates

22' 8.1 to 1

42' 5.5 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.

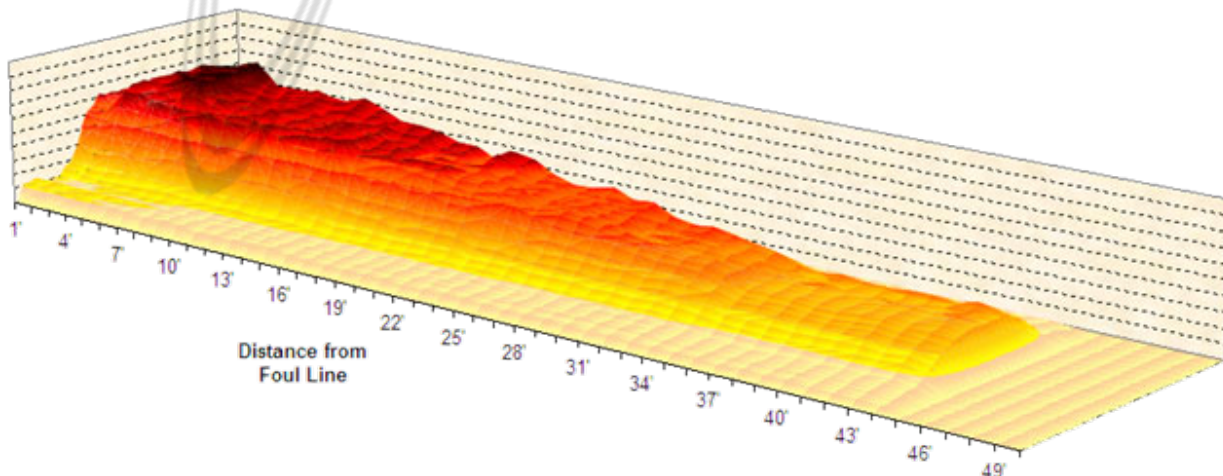
Latitude ratios in the last half of the pattern can be an indicator of the difficulty of a pattern. Generally, the lower the ratios down lane, the more difficult the pattern.

Longitude Ratio Coordinates

Outside Taper 2.9 to 1

Inside Taper 1.8 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: 44 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	18.00	0.00	2.50	37	74	3700
02F	9	9	2	18.00	2.50	7.60	23	46	2300
03F	10	10	3	18.00	7.60	15.20	21	63	3150
04F	12	12	2	18.00	15.20	20.30	17	34	1700
05F	2	2	0	18.00	20.30	24.00			
06F	2	2	0	22.00	24.00	33.00			
07F	2	2	0	30.00	33.00	44.00			
08F									
09F									
Forward Buff Screens: 3			Forward # Boards Crossed Volume mL					217	10.85
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		35.00			
02R	14	14	3	18.00	35.00	27.40	13	39	1950
03R	13	13	4	18.00	27.40	17.20	15	60	3000
04R	12	12	4	14.00	17.20	9.30	17	68	3400
05R	11	11	2	10.00	9.30	6.50	19	38	1900
06R	2	2	0	10.00	6.50	0.00			
07R									
08R									
09R									
			Reverse # Boards Crossed Volume mL					205	10.25
			Forward plus Reverse Boards Crossed Volume mL					422	21.10





HIGH STREET 8144

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.

