KEGEL

SPORT

KEGEL

LANDMARK PATTERNS

SPHINX
1940

The Sphinx pattern can take on many forms and requires numerous personalities to conquer it successfully. With the supreme difficulty level of this pattern, you'll have to think like a human and attack it like a lion to gain access to the temple-like feeling that the Sphinx is the guardian of.

Latitude Ratio Coordinates
22' 1.9 to 1
38' 1.5 to 1

Longitude Ratio Coordinates
Outside Taper 5.76 to 1
Inside Taper 6.66 to 1

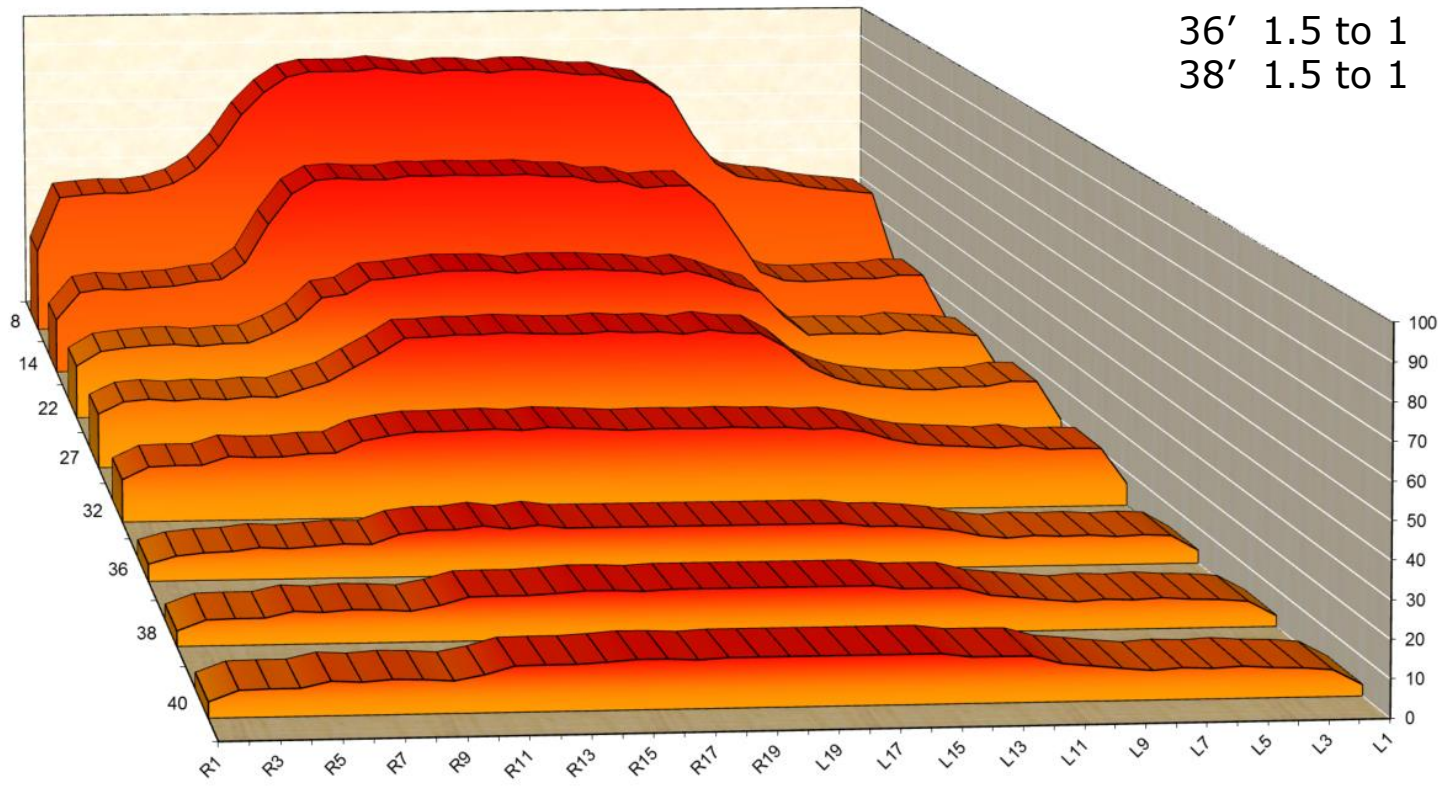
Pattern Distance
40 Feet

Pattern Volume
Forward 15.80 mL
Reverse 9.40 mL
Total 25.20 mL

SPHINX
1940

Latitude Ratio Coordinates

8′	1.8 to 1
14′	2.2 to 1
22′	1.9 to 1
27′	1.8 to 1
32′	1.4 to 1
36′	1.5 to 1
38′	1.5 to 1



The 2D Chart above was generated by the Lane Reader showing select tapes and ratios at key distances throughout the oil pattern. USBC Sport Bowling ratios are calculated at 22′ and 2′ before the end of the oil pattern. **KEGEL KODE Ratios** are determined by the highest Sport Bowling ratio number for that oil pattern.

KEGEL TIP - *Generally, the lower the ratios towards the end of the oil pattern, the less guidance of the bowling ball and therefore, the more difficult the oil pattern may play. The higher the ratios are towards the end of the oil pattern, the easier it may play.*

KEGEL LANDMARK PATTERNS

SPORT SERIES

This page shows the **KOSI FLEX LANE MACHINE** program sheet.

The **HEADER** shows the oil pattern distance, the reverse brush drop distance, the amount of lane conditioner applied to the lane, the oil per board setting, and the conditioner type in each tank.

Below that is the **FLEX LANE MACHINE PROGRAM** settings which shows the load structure and number of loads, the oil pump setting if using the multi mic stream feature, the speed of the lane machine, the buffer speed, and the tank choice per load screen.

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

The **COMPOSITE GRAPH** at the bottom shows the total amount of conditioner applied to every board along with that volume ratio in different zones.

A good way to think about the composite 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.

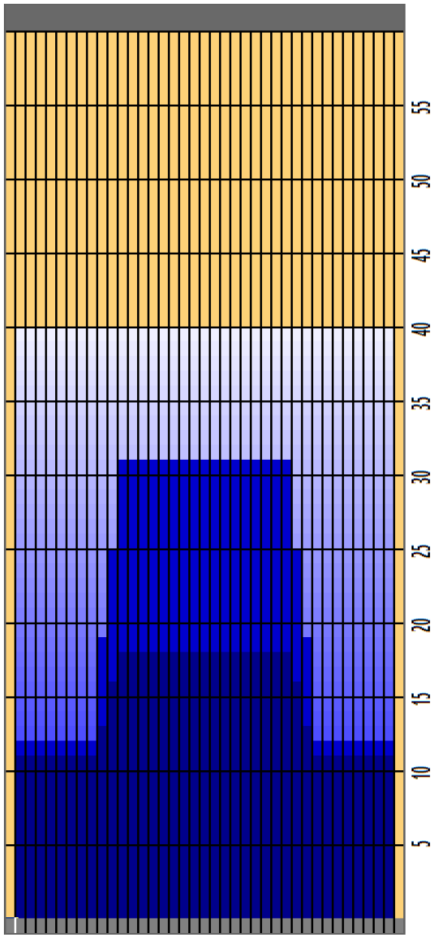
FLEX

S - Sphinx

Oil Pattern Distance	40	Reverse Brush Drop	35	Oil Per Board	50 ul
Forward Oil Total	15.8 mL	Reverse Oil Total	9.4 mL	Volume Oil Total	25.2 mL
Tank Configuration	N/A	Tank A Conditioner	FIRE	Tank B Conditioner	ICE

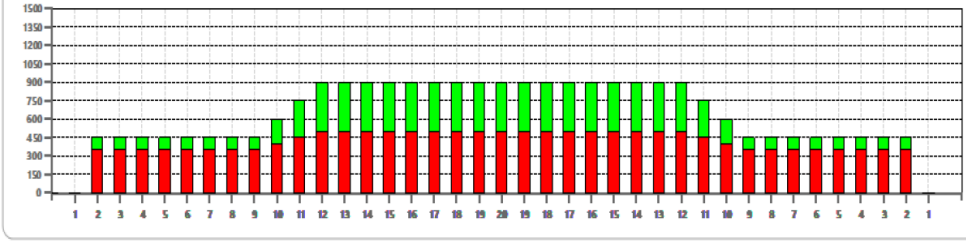
	START	STOP	LOADS	SPEED	BUFFER	TANK	CROSSED	START	END	FEET	T.OIL
1	2L	2R	7	14	3	B	259	0.0	11.9	11.9	12950
2	10L	10R	1	14	3	B	21	11.9	13.8	1.9	1050
3	11L	11R	1	18	3	B	19	13.8	16.3	2.5	950
4	12L	12R	1	18	3	B	17	16.3	18.8	2.5	850
5	2L	2R	0	18	3	B	0	18.8	30.0	11.2	0
6	2L	2R	0	30	3	B	0	30.0	40.0	10.0	0

	START	STOP	LOADS	SPEED	BUFFER	TANK	CROSSED	START	END	FEET	T.OIL
1	2L	2R	0	30	3	B	0	40.0	31.0	-9.0	0
2	12L	12R	2	22	3	B	34	31.0	24.8	-6.2	1700
3	11L	11R	2	22	3	B	38	24.8	18.6	-6.2	1900
4	10L	10R	2	22	3	B	42	18.6	12.4	-6.2	2100
5	2L	2R	2	14	3	B	74	12.4	8.5	-3.9	3700
6	2L	2R	0	14	3	B	0	8.5	0.0	-8.5	0



Cleaner Ratio Main Mix 4:1
Cleaner Ratio Back End Mix 4:1
Cleaner Ratio Back End Distance 59
Buffer RPM: 4 = 700 | 3 = 500 | 2 = 200| 1 = 60

Item	3L-7L:18L-18R	8L-12L:18L-18R	13L-17L:18L-18R	18L-18R:17R-13R	18L-18R:12R-8R	18L-18R:7R-3R
Description	Outside Track:Middle	Middle Track:Middle	Inside Track:Middle	Middle: Inside Track	Middle:Middle Track	Middle:Outside Track
Track Zone Ratio	2	1.43	1	1	1.43	2



KEGEL TIP - *Once the amount of conditioner on the corners (outsides) reaches 300 microliters, an oil pattern begins to become "competitive". Less than that amount the ball might see friction and it could play on the easy side.*