

Hamburg Liga Start 4



Oil Pattern Distance:	41 Feet	Reverse Brush Drop:	41 Feet	Oil Per Board:	50 uL
Forward Oil Total:	17.55 mL	Reverse Oil Total:	8.5 mL	Volume Oil Total:	26.05 mL
Forward Boards Crossed:	351 Boards	Reverse Boards Crossed:	170 Boards	Total Boards Crossed:	521 Boards

	Start	Stop	Loads	Speed	Crossed	Start	End	Feet	T.Oil
1	2L	2R	3	14	111	0.0	3.9	3.9	5550
2	8L	8R	2	14	50	3.9	7.8	3.9	2500
3	10L	9R	3	14	66	7.8	13.7	5.9	3300
4	12L	10R	3	14	57	13.7	19.6	5.9	2850
5	14L	12R	3	18	45	19.6	27.2	7.6	2250
6	16L	14R	2	18	22	27.2	32.3	5.1	1100
7	2L	2R	0	22	0	32.3	36.0	3.7	0
8	2L	2R	0	26	0	36.0	41.0	5.0	0

Forward Reverse More

	Start	Stop	Loads	Speed	Crossed	Start	End	Feet	T.Oil
1	2L	2R	0	30	0	41.0	30.0	-11.0	0
2	15L	13R	1	22	13	30.0	26.9	-3.1	650
3	13L	12R	2	18	32	26.9	21.8	-5.1	1600
4	11L	11R	2	18	38	21.8	16.7	-5.1	1900
5	9L	9R	1	18	23	16.7	14.2	-2.5	1150
6	7L	7R	1	14	27	14.2	12.3	-1.9	1350
7	2L	2R	1	14	37	12.3	10.4	-1.9	1850
8	2L	2R	0	14	0	10.4	0.0	-10.4	0

Forward Reverse More

Conditioner:
Type In or Select
One

TransferType:
Type In or Select
One

Forward



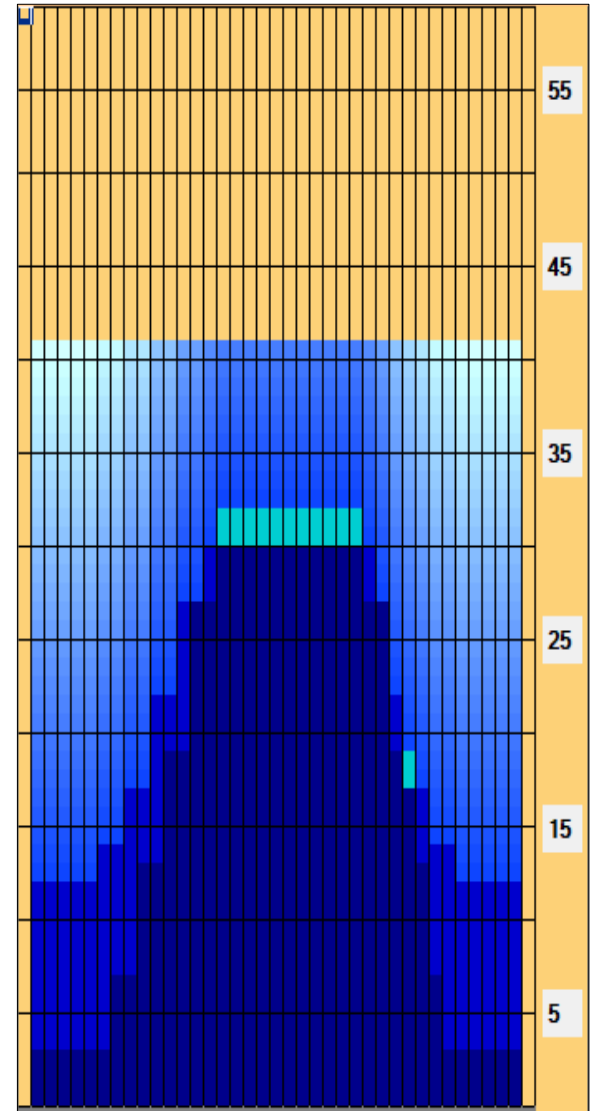
Reverse



Combined



Buff



BEATEN PATH - 4541 This 41 foot pattern is much like the MIDDLE ROAD but two feet longer. Because of this added length, the options of attack will be a little more limited and the pattern will usually play where the most worn or highest friction part of the lane surface is. The players who excel in reading the lanes will easily find the BEATEN PATH and make this pattern look relatively easy. If you veer too far off the BEATEN PATH, it will play more difficult.

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	5.71	2.18	1.1	1.02	1.74	5.71

