

## Appendix B – Lane Maintenance Matrix

Please contact Kegel Industries regarding lane maintenance questions and revisions –  
(complete and return the Event Certification Form to the Secretary / Rules Editor)

### Lane Machine Type – Wickless (Transfer Roller Application) \*

Ex. Sanction II, Kegel Standard (Elite, AC, SE, VB models) Phoenix-S (B&C), Kustodian (A, B, C)

Pattern #	Difficulty	Distance (O)	Distance (T)	Ratio
Pattern #1	Very Low	32	41	5.00:1
Pattern #2	Low	29	35	5.00:1
Pattern #3	Medium	34	43	2.89:1
Pattern #4	High	35	40	3.33:1
Pattern #5	Very High	29	37	2.25:1

### Lane Machine Type – Wickless (Transfer Brush Application) \*

Ex. Sanction Machine, Sanction SE (w/ upgrade), Kustodian (ION, Plus, Lane Walker Models)

Pattern #	Difficulty	Distance (O)	Distance (T)	Ratio
Pattern #1	Very Low	35	41	5.00:1
Pattern #2	Low	27	35	4.00:1
Pattern #3	Medium	36	43	3.33:1
Pattern #4	High	36	40	2.85:1
Pattern #5	Very High	19	37	2.25:1

### Lane Machine Type – Wick Application Process (Pad Machine) \*

Ex. Kegel Phoenix (B & C Models), Kegel Crossfire and Kegel Firebird

Pattern #	Difficulty	Distance (O)	Distance (T)	Ratio
Pattern #1	Very Low	34	41	5.00:1
Pattern #2	Low	29	35	4.00:1
Pattern #3	Medium	34	43	3.50:1
Pattern #4	High	29	40	3.00:1
Pattern #5	Very High	27	37	2.25:1

Legend of Terms =

- Difficulty** - Level of Difficulty for projected field mean scoring averages  
(Very Low = House Condition . . . Very High = “Sport Bowling” Compliant)
- Distance** - Distance machine travels (in feet) in the application process  
(“O” = Oil or Lane Conditioner . . . “T” = Total distance of Pattern)

\* If your facility uses one of the following machines, please contact Kegel Industries for direct assistance (800-280-2695) to duplicate the pattern of choice or design a new version:

**AMF Century (Century 100, Summit and Chairman Models), AMF Silver Bullet, DBA Dart and DBA Excel (all Models), and the Brunswick Authority 22 lane maintenance systems.**