

Back-hand English (BHE) / Front-Hand English (FHE) Calibration

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Complete the gridded table on the next page, determining the percentage of BHE and FHE required for each distance (short, medium, long) and each speed (soft, medium, fast).

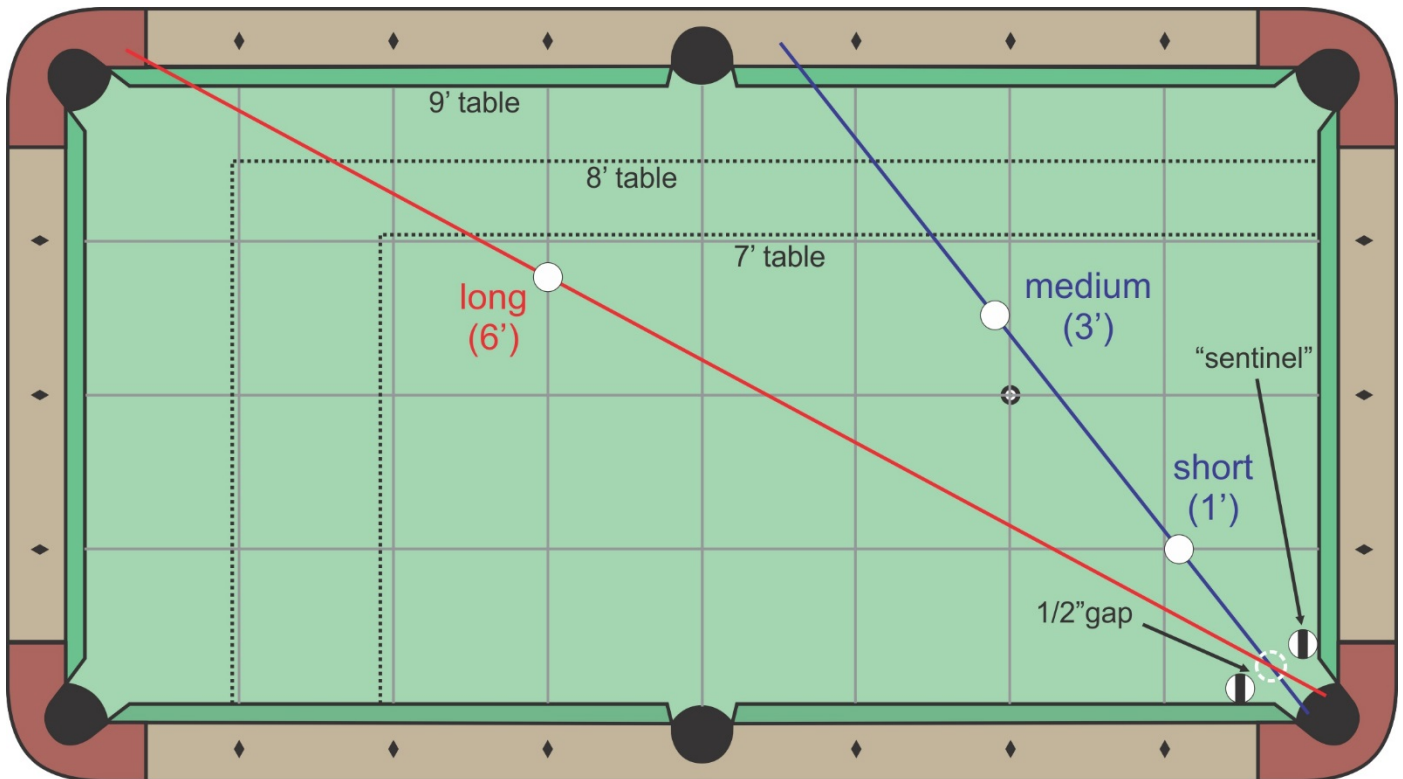
Use Dr. Dave's Example percentages as starting points.

Practice the shot speed for a given column first, using the speed definitions on the next page, and then complete the entire column before moving to the next.

Keep the tip on the horizontal centerline of the CB, and use close to maximum sidespin for each shot.

If using **right sidespin**, if the **CB goes to the left**, **increase the BHE %** (and decrease the FHE %); and if the **CB goes to the right**, **decrease the BHE %** (and increase the FHE %).

If you are **left-handed**, you can switch to the other side of the table to make the shots more reachable.



Alternatives to using BHE/FHE percentages:

Use pure BHE (no FHE) with a bridge length smaller than your cue's natural pivot length as a good average that works fairly well over a wide range of shot distances and speeds.

Or use pure BHE and vary your bridge length to compensate for how squirt/swerve change with shot distance/speed. Use a shorter bridge length for shorter/faster shots and a longer bridge length for longer/slower shots.

Or practice all 9 test shots and learn to adjust your aim by feel, coming down into the required line of aim immediately with no need for pivots or corrections. (This is what top players do, as a result of countless hours and years of successful practice and experience.)

BHE/FHE Percentages

Preferred bridge length: _____ Cue natural pivot length (using short, very fast shot): _____
 Use the top (8.5") and side (11") of the page, along with the ruler to the right, to measure these.

Speed definitions (hitting from the head string):

- "slow" – ¼ stroke off 1 rail back to the head string
- "medium" – ½ stroke off 2 rails to the center string
- "fast" – ¾ stroke off 3 rails to the foot string

Tip on Horizontal Centerline with Level Cue

| | | speed | | |
|----------|-------------|-----------|-----------|-----------|
| | | slow | medium | fast* |
| distance | short (1') | BHE: ___% | BHE: ___% | BHE: ___% |
| | | FHE: ___% | FHE: ___% | FHE: ___% |
| | medium (3') | BHE: ___% | BHE: ___% | BHE: ___% |
| | | FHE: ___% | FHE: ___% | FHE: ___% |
| | long (6') | BHE: ___% | BHE: ___% | BHE: ___% |
| | | FHE: ___% | FHE: ___% | FHE: ___% |

*: If your preferred bridge length is longer than your cue's natural pivot length, you will need to use a smaller pivot length for fast-speed-shot BHE, but you can extend your bridge length after the pivot if necessary.

Corrections:

- **Below-center hit** (swerve delayed): +0-20% BHE (less for short/fast)
- **Above-center hit** (sooner swerve): +0-20% FHE (less for long/slow)
- **New/slick cloth** (swerve delayed): +0-20% BHE (less for short/fast)
- **Old/sticky cloth** (sooner swerve): +0-20% FHE (less for long/slow)
- **Cue elevation** (more and sooner swerve; avoid whenever possible):
less BHE, more FHE (and even reverse BHE/FHE for larger elevations)

Example (Revo LD Shaft with 12" bridge length and 20" natural pivot length on used Simonis 860):

| | | speed | | |
|----------|-------------|----------|----------|----------|
| | | slow | medium | fast |
| distance | short (1') | BHE: 60% | BHE: 80% | BHE: 90% |
| | | FHE: 40% | FHE: 20% | FHE: 10% |
| | medium (3') | BHE: 40% | BHE: 70% | BHE: 85% |
| | | FHE: 60% | FHE: 30% | FHE: 15% |
| | long (6') | BHE: 30% | BHE: 60% | BHE: 80% |
| | | FHE: 70% | FHE: 40% | FHE: 20% |

Increase BHE% (or shorten bridge length) for a shaft with a shorter natural pivot length (i.e., more squirt).

