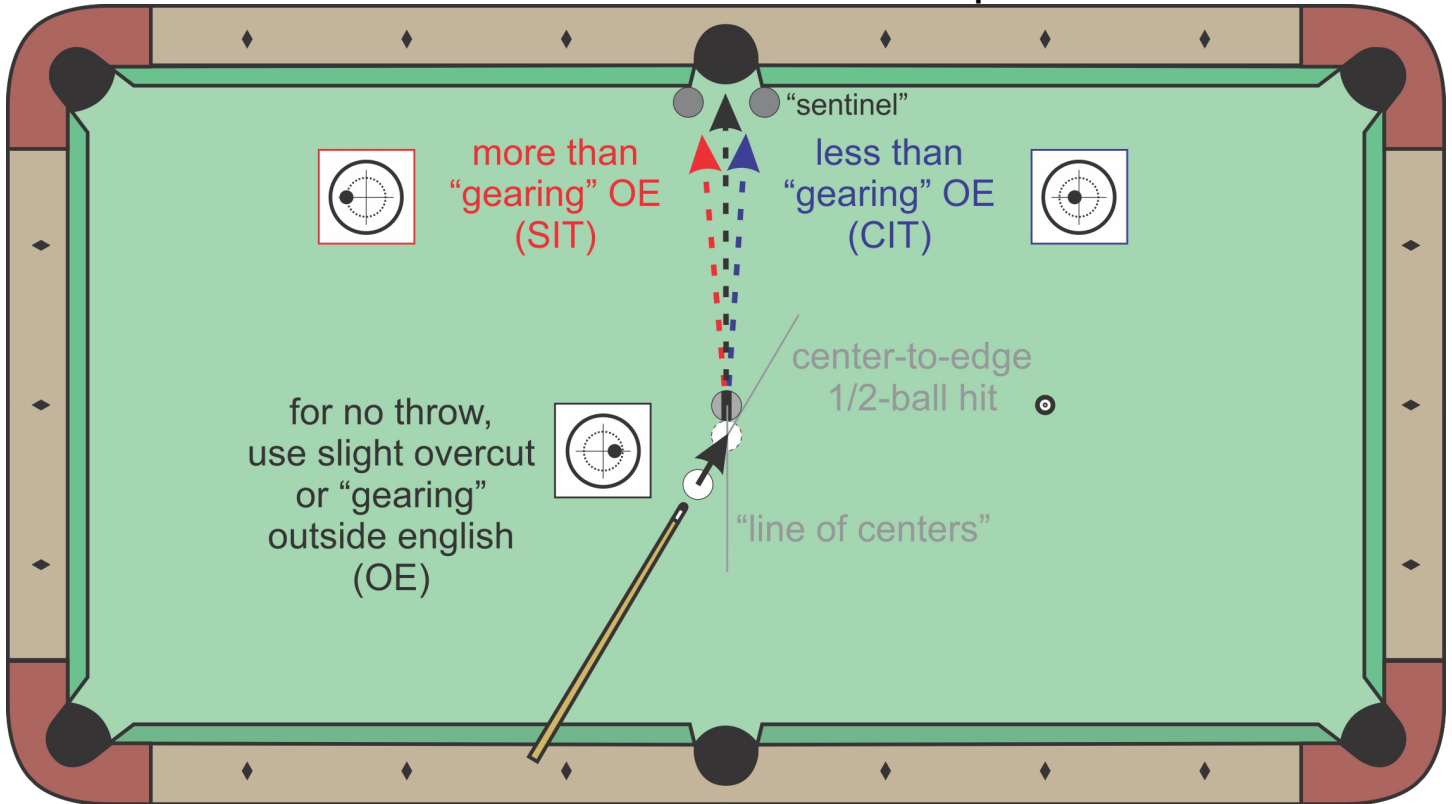


Gearing Outside English

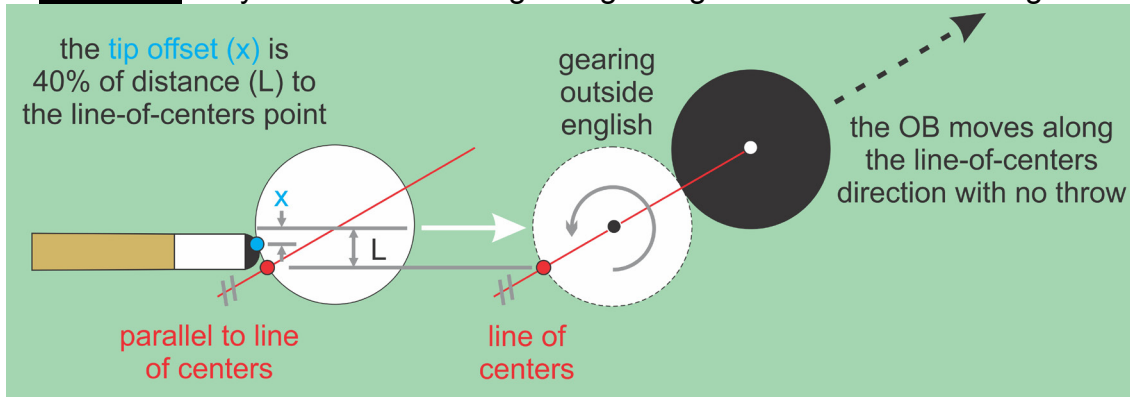
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Effects of different amounts of sidespin:



drill: test aim first with fast-speed draw/follow (less throw); then vary speed and draw/follow/stun to see changes in throw; then experiment with slow stun (max throw) and various amounts of sidespin

40% Rule – System for visualizing the “gearing” amount of outside english:



Alternative to using gearing outside english (e.g., when shot calls for different english):

Adjust aim for throw (before adjusting for squirt/swerve, for example with BHE/FHE), understanding:

- Maximum throw is about 1 inch per foot of CB travel, which is about 5 degrees.
- Maximum CIT occurs with a slow-speed stun shot at about a 1/2-ball hit.
- Maximum SIT occurs with slow speed, stun, and about 50% english.
- Throw is less with faster speed and with topspin or bottom spin (unless drag, then more throw).