

THE PUSH SHOT (DOUBLE HIT)

WITHOUT A DOUBT, THE MOST DISPUTED AND MIS-UNDERSTOOD SHOT IN POOL IS THE PUSH OR DOUBLE-HIT CUEBALL. EVERYONE HAS HEARD THAT THEORY WHICH STATES : WHEN THE CUEBALL & THE OBJECT BALL ARE CLOSER THAN A CUBE OF CHALK, YOU MUST COME INTO THE SHOT AT A 45 DEGREE ANGLE, OR ELEVATE THE BACK OF YOUR CUE AT LEAST A 45 DEGREE ANGLE TO THE SHOT. ALTHOUGH THIS WORKS MOST OF THE TIME, AS YOU WILL SEE IN THE VIDEO, IT DOESN'T ALWAYS WORK.

THE THEORY IS BASED ON THE ASSUMPTION THAT IF YOU ELEVATE THE REAR OF YOUR CUE 45 DEGREES, AND STRIKE THE CUE (CAUSING BACKSPIN ON THE CUEBALL), YOU CANNOT "PUSH" THE CUEBALL. WITH THIS IN MIND...YOU SHOULD NEVER SEE THE CUEBALL ADVANCING FORWARD, PAST (OR THROUGH) THE SPACE OCCUPIED BY THE OBJECT BALL.

WATCHING THE VIDEO (LINK BELOW), KEEP IN MIND THAT THIS ENTIRE SERIES OF EVENTS OCCURS IN MERELY A FRACTION OF A SECOND. WATCH AS THE CUE STRIKES THE CUEBALL CAUSING REVERSE ENGLISH. WHEN THE CUEBALL HITS THE OBJECT BALL, IT ACTUALLY STOPS FOR A NANOSECOND, AND IF NOT FOR THE CUESTICK STRIKING A SECOND TIME, IT WOULD REMAIN STOPPED OR BACK UP.

THIS IS WHY IT IS EASY TO TELL IF A BALL HAS BEEN PUSHED OR DOUBLE HIT. IF THE BALLS ARE CLOSER TOGETHER THAN THE LENGTH OF THE STROKE TAKEN TO HIT THE CUEBALL, AND THE CUEBALL ADVANCES FORWARD THROUGH THE ORIGINAL LOCATION OF THE OBJECT BALL, THEN THE SHOT MUST BE DEEMED ILLEGAL DUE TO A PUSH OR DOUBLE HIT.

VIDEO LINK BELOW FOR SLOW-MO DOUBLE HIT...

http://billiards.colostate.edu/high_speed_videos/new/HSVA-12.htm