

Kinetic Energy & the Golf Tee

The kinetic energy generated by the velocity of the club-head, then transfers the energy to the ball at impact. The mass of the ball at rest tends to slow down the speeding club-head as it transfers the kinetic energy. The ball has elastic qualities, that absorb some of the shock during the energy transfer. This creates the squashed look that that you see on a ball in slow motion photographs. The impact and subsequent release of the ball from the club-face goes on for a tiny fraction of a second and spans a travel distance of about 1.5 inches. During the first half inch of the impact zone, the transfer of energy is unobstructed. It is the following inch of the impact and ball release where the club-head is slowed a second time, not by the mass of the ball, but by the tee which is directly connected with the ground.

The tee, depending on it's makeup, can actually slow the club-head slightly before finishing the impact zone, This slowing of the club-head before releasing the ball can decrease the steady transfer of kinetic energy to the ball, robbing distance on your drive.

The force that is stolen from the transfer of energy can be seen in a broken golf tee. Try breaking a tee with your fingers to see the amount of energy lost in the impact zone, before the Kinetic energy is completely transferred to the ball. Low resistance tees like the D-tee give you more distance by having flexibility in that final inch of the impact zone.

Imagine a football player, running toward the goal line with the football. The towel boy walking on the sidelines trips and stumbles into the path of the player. The player has no trouble muscling over the 80 pound boy but it has slowed him down on his way to the goal line. The wooden golf tee is much like the towel boy in the example. Sure you can muscle through the tee, even break it, but the wooden tee has slowed your club head down while it is still contacting the ball. That slows down the transfer of energy.

The D-tee from Distancetee has a grip friendly blade-like shaft that flexes with your speeding club-head to give you less resistance and more distance. The width of the blade make it sturdy, and easy to insert in even the hardest of ground. The large cup holds the ball securely and when combined with the flexible shaft on par 3 iron shots give you ultimate loft and spin. Did I mention accuracy? You will be most pleasantly surprised, as the D-tee is the most accurate tee in golf. Try a bag on the no risk Money Back Guarantee. Enjoy a great round of Golf soon!