DATA REFERENCE GUIDE

What makes Foresight Sports the leading choice for the world's best players, fitters, instructors and club makers? **Advanced high speed stereoscopic cameras capture everything from club delivery to impact to the ball launch condition accurately.**

Unlike other technologies, with our smart camera technology, what you see is what you get. To learn more about Foresight Sports and our full line of game-changing products, visit us today at www.foresightsports.eu

CLUB

1-DOT

4-DOT

Head Speed

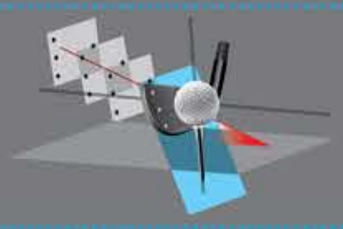
The instantaneous speed of club center point along club-head path.

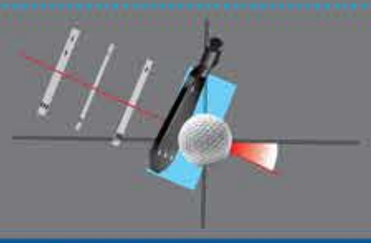
Efficiency

The ratio between club head and golf ball velocities to determine the quality of the ball strike. Described as ball speed divided by head speed = ratio, efficiency or smash factor.

Attack Angle

The descending or ascending path of the club-head measured in degrees.



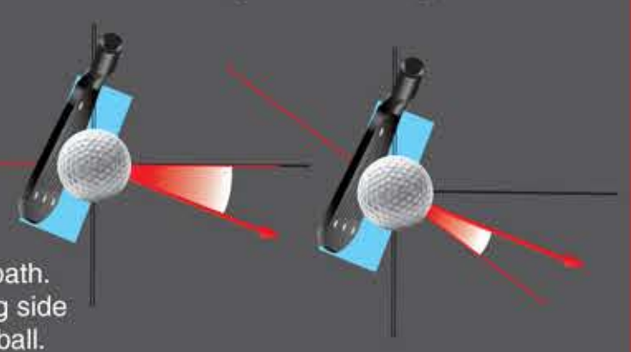


Club Path

Path In/Out, Horizontal Path, Angle Inside-Out/ Outside-In. The angle between target line and clubhead path line projected on the ground plane at impact.

Face Angle

The dynamic measurement (in degrees) of the club head's face plane position at a right angle 90 degrees perpendicular relative to the target line or swing path. Also known as yaw.

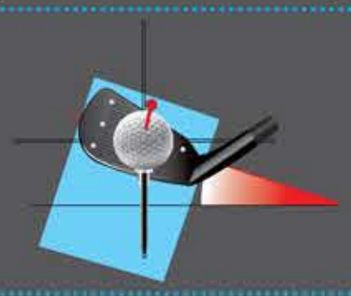


Face to Target

The face angle relative to the target-line at impact.

Face to Path

The face angle relative to the club path. The main components in generating side angle and the curvature of the golf ball.

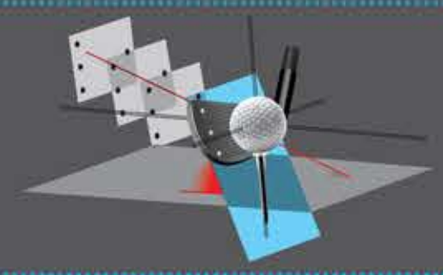


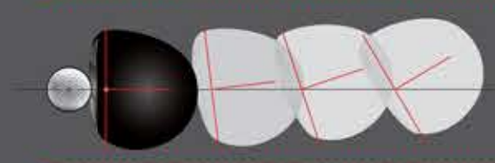
Lie

The dynamic measurement in degrees of the club head's face plane position horizontally relative to the ground plane. Also known as roll.

Loft

The dynamic measurement in degrees of the club head's face plane position vertically relative to the ground plane. Also known as pitch.



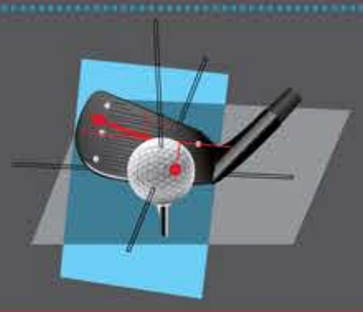


Closure Rate

The rotation of the club head heel-to-toe measured about the face center in degrees per second or rpm.

Impact Location

The measurement (in millimeters) of the contact point of the golf ball on the clubface relative to face center.



BALL

Ball Velocity

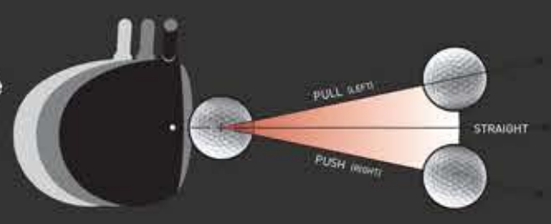
Similar to speed, but it is indicated by a vector with direction and magnitude.

Launch Angle

The initial vertical angle of ascent relative to the ground plane measured in degrees. The launch angle, combined with ball spin and speed, will determine the ball carry and total distance.

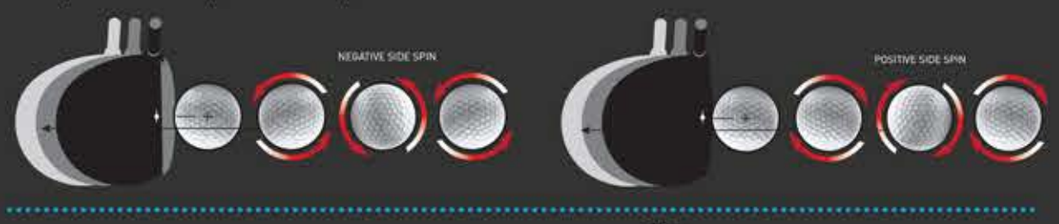
Azimuth

(Also known as side angle, push/pull angle or deviation angle) The initial horizontal angle relative to the target line. The azimuth, combined with side spin, will determine the final ball position down range relative to the target-line.



Side Spin

A component of total spin that defines ball curvature or shot shape. Also related to the spin-tilt axis. (See below)



Back Spin

A component of total spin that defines ball lift and trajectory.

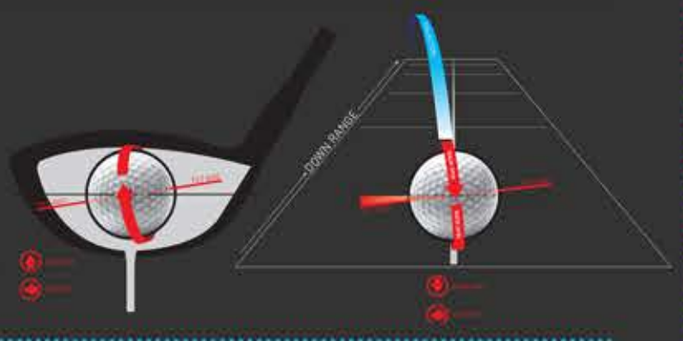
Total Spin

The total amount of spin around the tilt axis that creates curvature and lift.

Spin-Tilt Axis

The Spin-Tilt Axis is the axis that the golf ball rotates around to create shot curvature and lift.

When the spin-tilt axis is oriented to the left (looking down range), the ball's trajectory will move from right to left.



Peak Height

The apex of the trajectory measured from the ground plane.

Carry

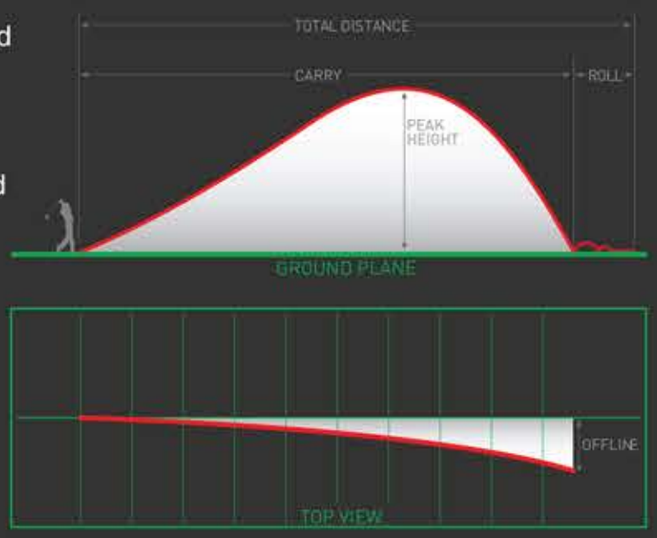
The total distance of flight produced by initial launch condition.

Total Distance

The combined ball flight with bounce and roll.

Offline

The end position distance right or left measured from the target-line.



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