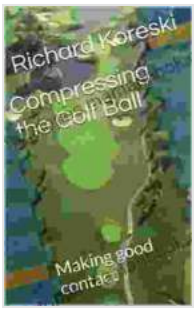
Compressing the Golf Ball: A Deep Dive into the Science and Technique



Compressing the Golf Ball: Making good contact (How to Play Golf from the Very Beginning Book 2) by Liz Doolittle

4.1 out of 5

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The compression of the golf ball is a critical factor in determining its performance. When a golf ball is struck, the clubface compresses the ball, causing it to deform. This deformation results in a transfer of energy from the club to the ball, which propels the ball forward.

The amount of compression that occurs depends on a number of factors, including the clubhead speed, the angle of attack, and the ball's construction. A higher clubhead speed will result in more compression, as will a steeper angle of attack. A ball with a softer cover will also compress more than a ball with a harder cover.

Compression is important because it affects the ball's distance, spin, and trajectory. A ball that is compressed more will travel farther, have less spin,

and have a lower trajectory. This is because the compression of the ball causes it to deform more, which reduces its drag and increases its lift.

The ideal amount of compression for a given shot depends on the player's swing and the conditions of the course. A player who swings the club quickly and has a steep angle of attack will need a ball that compresses more. A player who swings the club slowly and has a shallow angle of attack will need a ball that compresses less.

The Science of Compression

The science of compression is complex, but it can be boiled down to a few key principles.

- **The harder the ball, the less it will compress.** This is because the harder the ball, the more force is required to deform it.
- **The faster the clubhead speed, the more the ball will compress.** This is because a higher clubhead speed will generate more force, which will cause the ball to deform more.
- **The steeper the angle of attack, the more the ball will compress.** This is because a steeper angle of attack will cause the club to hit the ball more squarely, which will generate more force and cause the ball to deform more.

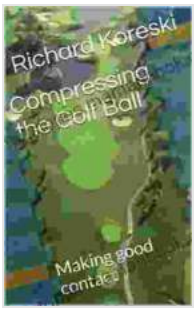
The Technique of Compression

The technique of compression is just as important as the science. A player who can compress the ball consistently will be able to hit the ball farther, with less spin, and with a lower trajectory.

There are a few key tips for compressing the ball:

- **Use a club that is fitted to your swing.** A club that is too long or too short will make it difficult to compress the ball.
- **Swing the club down and through the ball with a smooth, fluid motion.** A jerky swing will make it difficult to compress the ball.
- **Hit the ball on the upswing.** This will help you to generate more clubhead speed and compress the ball more.
- **Follow through with your swing.** This will help you to transfer all of your energy to the ball and compress it more.

Compression is a critical factor in determining the performance of a golf ball. By understanding the science of compression and the technique of compressing the ball, you can improve your driving distance, accuracy, and control.



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