

# Uncover the Secrets of Ballistics with Justin Doyle's "Big Book of Ballistics"

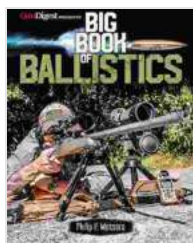
The world of ballistics is a captivating and complex one, where the science of projectiles meets the practical art of shooting. Justin Doyle, a renowned expert in the field, has penned the definitive guide to this fascinating subject: "Big Book of Ballistics." This comprehensive volume unravels the mysteries of ballistics, providing a wealth of knowledge for shooters, hunters, and anyone intrigued by the physics of projectile motion.

At the heart of ballistics lies the study of how projectiles behave as they travel through the air. Doyle's book delves into the fundamental concepts that govern projectile motion, including:

- **External ballistics:** The study of projectiles outside the barrel, encompassing factors such as trajectory, velocity, and wind drift.
- **Terminal ballistics:** The analysis of projectiles' impact and behavior upon striking a target, considering factors like penetration, expansion, and fragmentation.
- **Trajectory:** The path a projectile follows through the air, influenced by variables like gravity, air resistance, and wind.
- **Magnus effect:** The phenomenon that causes a spinning projectile to deviate from its intended path due to the interaction between its rotation and the surrounding air.

Beyond the foundational principles, "Big Book of Ballistics" explores advanced concepts and their practical implications for shooters and

hunters. Doyle covers topics such as:



## Big Book of Ballistics by Justin Doyle

★★★★☆ 4.5 out of 5

Language : English  
File size : 136606 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Word Wise : Enabled  
Print length : 563 pages



- **Long-range shooting:** Techniques for precise shot placement at extended distances, taking into account factors like bullet drop, wind correction, and atmospheric conditions.
- **Ballistic coefficients:** The measure of a projectile's resistance to air, critical for accurate trajectory calculations.
- **Reloading:** The process of creating custom ammunition to optimize performance for specific firearms and shooting conditions.
- **Hunting ballistics:** The selection and use of appropriate projectiles for various hunting scenarios, considering factors like penetration, expansion, and shot placement.

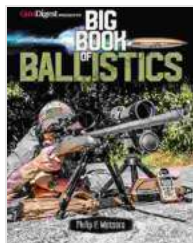
Ballistics also plays a crucial role in forensic science and law enforcement. Doyle's book delves into these applications, discussing:

- **Firearms identification:** The analysis of firearms and ammunition to determine if a particular weapon was used in a crime.

- **Ballistic fingerprinting:** The unique markings left on projectiles that can be used to trace them back to the specific firearm from which they were fired.
- **Wound ballistics:** The study of how projectiles interact with the human body, providing insights for medical personnel and law enforcement.

Justin Doyle's "Big Book of Ballistics" is an indispensable resource for anyone seeking a comprehensive understanding of ballistics. Written in a clear and engaging style, the book combines scientific principles with practical applications, making it an invaluable tool for shooters, hunters, forensic scientists, and anyone interested in the fascinating world of projectiles.

As the definitive guide to ballistics, "Big Book of Ballistics" by Justin Doyle is an essential addition to the library of anyone passionate about shooting, hunting, or the science of projectile motion. Its comprehensive coverage, engaging writing style, and wealth of practical insights make it an invaluable resource for understanding the complex world of ballistics. Whether you're a seasoned marksman, a novice hunter, or simply fascinated by the physics of projectiles, this book is an essential guide to unlocking the secrets of ballistics.



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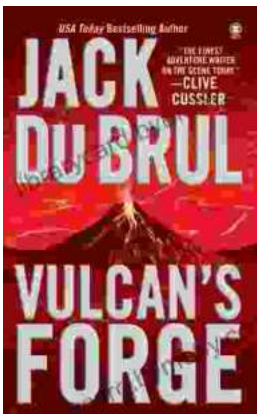
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