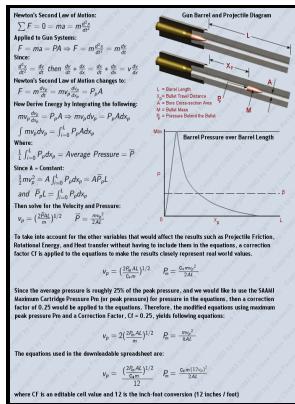


Interior Ballistics of Guns.

s.n - Ballistics: Theory and Design of Guns and Ammunition



Description: -

-Interior Ballistics of Guns.

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Dui wai jing ji mao yi da xue bo shi wen ku

AGARD conference proceedings -- 392Interior Ballistics of Guns.

Notes: 1

This edition was published in 1985



Filesize: 63.44 MB

Tags: #Ballistics

Ballistics: Theory and Design of Guns and Ammunition

In general, a tight fit is desired, to the extent of the bullet into the case. Unlike rifles, where the threaded portion of the barrel is in the chamber, revolver barrels threads surround the breech end of the bore, and it is possible that the bore will be compressed when the barrel is screwed into the frame.

Ballistics of Modern Firearms

If we turn the design into a VLD bullet with a length of 1.

Ballistics

Remember, your mileage may vary from this chart. In the 1800s test barrels began to be instrumented. Any Shot You Want First ed.

Internal Ballistics

The coating on the powder grain tends to hold back the rate of burning until the coating has burned through.

Ballistics: Theory and Design of Guns and Ammunition

Revolvers typically have 5 to 10 chambers, and the first issue is ensuring consistency among the chambers, because if they aren't consistent then the point of impact will vary from chamber to chamber. Sharp eyed reader may note that the McCoy stability computations are based upon muzzle velocity.

Smooth Bore Cannon Ballistics

Though especially significant when considering external and terminal ballistics, this relationship is also important when considering recoil. In some firearms, the freebore is all but nonexistent — the act of chambering the cartridge forces the bullet into the rifling.

Internal Ballistics

Rule 3 - For a 3 percent change in case capacity chamber pressure changes by 6 percent.

Internal ballistics

As a technical point of interest, conventional small arms propellant powders have an energy potential of about 178 ft lb per grain of weight. This handbook, Interior Ballistics of Guns, presents fundamental data, followed by development of the theory and practice of interior ballistics, with application to rifled, smooth-bore and recoilless guns.

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