

# If struck by lightning when flying, is the bullet affected?

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1. Why is the sandbag blocking the flying bullet?
2. Marvel at the cutting of the twin bullets flying 200 miles / h from the Japanese sword master
3. Rounded his eyes watching the bullet shatter when shot at the glass of "Dutch tears"

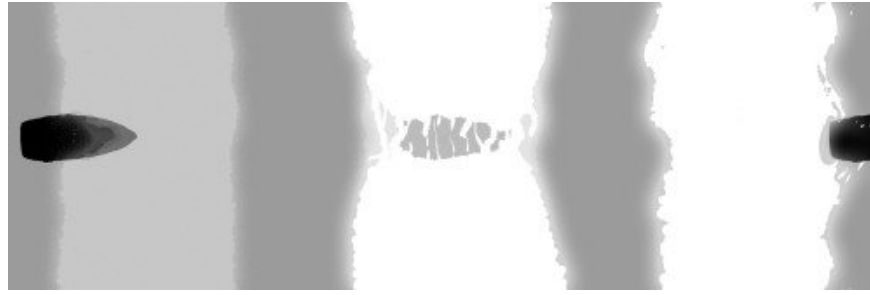


The structure of the warhead consists of a lead core coated with a copper layer on the outside.

On average, a lightning bolt has a core diameter of about 2.5cm, and a bullet is fired from an AK-47 gun with a length of 26mm and a velocity of about 700m / s.

According to calculations by scientists, lightning has an electric current of about 200,000 ampere. But copper, the bullet's outer covering is an excellent conductor, so it is easy for the current of lightning to pass.

According to the results of the experiment, it was shown that if the warhead is still in place, the lightning with the extremely high temperature can reach 28,000 ° C completely causing it to melt.



The warhead passes through the ionization channel of a lightning bolt.

If the bullet is moving at 700m / s, it only takes about 0.04ms to get through the lightning. This time is too short, the lightning has not been able to heat up a few degrees before it has gone away. Especially, when the bullet passes through the center of the lightning, it becomes very bright, and remains until the warhead passes through the other side.

In the course of the bullet flying through the lightning, some kind of electromagnetic force is generated by the magnetic field around the lightning and current flowing inside the bullet. But these forces were too weak to affect the speed and trajectory of the bullet.

In short, if lightning strikes hit a flying bullet, the warhead as well as the lightning path are unaffected.

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