

## 3 underwater shooting guns of Russian task force

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Over the past several decades, Russia has been interested in making underwater guns to equip the task force of the frogs and divers. They have achieved certain successes in the development of underwater weapons, although the weapons created are limited in real combat.

1. How far is the bullet fired from underwater AK-47 guns?
2. List of the world's best 10 handguns
3. The impressive moment when the bullet rushed out of the barrel
4. What happens inside the gun when we pull the trigger?

Normal guns when shot underwater are ineffective, inaccurate, limited in sight, and the damage is reduced quickly. The reason is that water has 800 times more drag resistance than air.

Here are the top 3 brightest underwater guns of the Russian Navy.

### Pistols SPP-1



SPP-1 has a similar pistol-like shape but its firing method is completely different. Russia has built a special ammunition specifically for SPP-1. It was a type of steel dart bullet, flattened head, 115 mm long, weighing about 13g each.

Thanks to the foaming mechanism, bullet darts flying out of the barrel will keep the flight stable. Bullets can glide under water thanks to tiny bubbles around the tip of the flattened head. This reduces drag, increases the

accuracy and damage of dart bullets.

However, the SPP-1 gun is still limited, the optimal range is only about 17m at a depth of 5m and decreases rapidly when the depth increases.

When shot on water, the accuracy of the SPP-1M gun is significantly reduced by using dart bullets in the smooth barrel.

### **APS quick assault rifle**



Photos: Wikimedia.

The APS has a similar shape to the AK-47 and is simply designed with only 42 components. APS fired 5 shells of 66 x 120mm darts from a 26-bullet ammunition box, firing at 600 rounds per minute, both underwater or on land.

Just like the SPP-1, the APS gun has a smooth barrel so it doesn't work well on the shore.

### **ADS dual-use quick assault rifle**



Photos: Wikimedia.

According to the declaration of Russian weapons manufacturer KPB in 2013, they successfully built the ADS dual-use fast assault rifle. This gun is effective both in water and on shore.

When transferring combat environments, users only need to transfer the relay box from the traditional ammunition container to the specially designed ammunition box.

When firing under water, an air bubble will surround the bullet. The mechanism of bubble-making around ADS bullets is the mechanism used to design Shkval torpedoes that can travel at speeds of up to 370 km / h.

Under water, ADS guns have an optimal range of about 25m at a depth of 30m and a depth of 20m is 18m. ADS weighs 4.6kg and has a 40mm grenade launcher function, shooting 5 bullets of 45 x 39 mm. When on shore, ADS can fire up to 800 capsules per minute at a range of 500m.

The effectiveness and accuracy of the ADS rifle is judged not to be inferior, even higher than the legendary AK-47.

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