

# **Sudaev submachine gun**

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# Development history

PPS-43 is the “weapon of Victory”, as it appeared during the Great Patriotic War and was used during the battles. The submachine gun is designed for a cartridge of 7.62 mm caliber. Designer Alexei Sudaev developed the system in 1942. Experts often nominate weapons for the title of best WWII submachine gun.



# Submachine gun Sudaev arr. 1943 (PPS-43)



# Sudaev submachine gun 1943

- According to the principle of action, PPS-43 refers to samples of automatic weapons with a free bolt. The mass of the shutter and the force of the reciprocating spring are in such a ratio with the mass of the bullet, the length of the barrel and the pressure of the powder gases that at the time of the shot the reliability of locking the bore is provided without a special locking mechanism. The manufacturability of the design is ensured through the widespread use of stamping and spot welding. For the manufacture of PPS-43 it took 3 times less time (1.8-2 machine hours) and 2 times less metal than for PPS-41.



# The performance characteristics

- The PPS-43 submachine gun is intended only for automatic fire, as it does not have a translator for single fire. Sights consist of a front sight and a sight with a rotating whole. The whole is designed for a range of 100 and 200 m, according to which the numbers 10 and 20 are set at the rear. The deadly power of the submachine gun bullet remains at a range of up to 800 m. The best results are achieved when shooting in short bursts (2-5 shots).

# Reviews about the machine

- Sudaev's submachine gun was most widely used at the front in the landing and tank troops. He became the indispensable weapon of scouts, skiers, partisans.
- Many experts agree that PPS-43 was the best submachine gun of the Second World War. This is probably the case. The design of PPS-43 achieved something that could not be achieved either in samples of the pre-war era or in wartime products. This is a high fire accuracy, lightness and compactness, simplicity of the device and maintenance. And the unsurpassed reliability and reliability characteristic, perhaps, only of domestic weapons