

The Pak 41 Anti-Tank Gun

Designed by Krupp the 7.5cm Pak 41 operated on the same Gerlich principle as the 2.8cm Pzb. With this weapon the projectile was squeezed from 75mm to 55mm, this enabled the projectile to be fired at a high velocity of over 1,100m/s. The very high muzzle velocity (well over 1,000fps higher than the Pak40) gave the weapon immense power, capable of penetrating very thick armour.

The tungsten cored projectiles fired by the Pak 41 were an enlarged version of those used on the 2.8cm Pzb. Unlike other weapons the gun shield was used as the structure rather than just being an addition, this reduced the weight.

The Pak 41 entered production in 1942 but due to the ban on tungsten in ammunition only 150 were ever completed. Once supplies of ammunition were depleted some had Pak40 barrels fitted.

Pak 41 Anti-Tank Gun Statistics

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Written by David Boyd

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Length of Gun

432.1 cm

Calibre

7.5cm reducing to 5.5cm

Elevation

-12°, +16°

Transverse

60°

Rate of fire
Rifling grooves

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Weight in Action **Performance of the Pak 41 Anti-Tank Gun** **Ammunition**

Weight of shot/shell

Complete Weight

Bursting Charge

Propellant Charge

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Muzzle Velocity

Angle

Plate

100m1000m

Pzgr 41 HK

2.59kg

7.76kg

2.58kg

1,220m/s

30

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Antitank Guns - Germany Artillery of World War Two, German