

# Explosively Formed Projectiles



**We are being Targeted**

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- **The Explosive Formed Penetrator (EFP) (shape charge) is becoming an Improvised Explosive Device (IED) that poses an extremely serious threat to armored vehicles used in Iraq by both the military (HUMVEE'S) and Security Companies (Up armored SUV's).**
  - **The EFP is a high tech device that has been deployed using Passive Infrared Radar (PIR) Devices much like garage door openers. Usually the device is observed and then remotely activated when a target passes by. The routes traveled by the military and PSD teams can be placed under surveillance for a given period of time by AIF to determine any patterns developed or the device can simply be placed along known routes and employed against targets of opportunity.**
  - **Devices are generally used in areas where natural slow down points exist, interchanges, steep curves, traffic circles, etc..**
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- **These devices are well manufactured by experienced bomb makers and then employed by various AIF elements. The following instructions were translated from the an original Arabic Version after having been recovered with a cache of these devices.**
    - **Speed 40 – 60 km**
    - **Height 1m**
    - **Range 4-15 m**
    - **Direction Sideways (refers to angle of attack).**
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# Background

- Military – class warhead
  - Designed to defeat light and medium armour
  - Pioneered by Lebanese Hezbollah.
  - It is assessed that insurgents have the capability to manufacture these devices.
  - The UK has accused Iran of providing these devices to insurgents in Iraq.
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# Improvised Explosively Formed Projectile

Typical of devices deployed in Iraq



## Device Construction

Constructed from 6 to 9 inch diameter steel pipe, one end of which is sealed with a welded steel plate drilled in the centre to take a blasting cap.

The weapon is filled with high explosive and an inwardly dished steel or copper plate is fitted to the front of the weapon.

It is this plate that is formed into the projectile when hit by the detonating wave from the explosive.