

U.S. Excalibur shells supplied to Ukraine

The Pentagon has sent Ukraine its most accurate artillery shell, the GPS-guided Excalibur, according to budget documents

M982 EXCALIBUR: Extended-range guided artillery shell

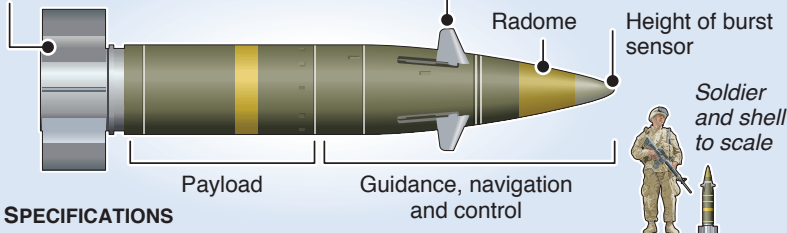
Guidance fins: Pop out after launch, allowing shell to glide to longer ranges

Canard wings

Manoeuvre shell in flight

Radome

Height of burst sensor



SPECIFICATIONS

Shell length	100cm	Firing range	40.5km
Diameter	155mm	Warhead weight	22kg
Weight	48kg	Accuracy	Within 2m of target

1 Firing

Weapon system enters target coordinates. Shell travels at high angle as it leaves barrel

Diagram not to scale

2 Glide: Shell levels out as it reaches top of arc and begins flying like missile

3 Guidance
Shell directed along pre-programmed trajectory by GPS, entering nosedive as it approaches target

4 Target
Fuse can be set to explode in air, on contact with hard surface or after shell has penetrated target

