



RH11 HE-75 PF3000

HIGH EXPLOSIVE FRAGMENTATION WARHEAD

The RH11 HE-75 PF3000 High Explosive Fragmentation warhead consists of more than >3,000 tungsten heavy alloy spheres that are embedded in a plastic bonded shell. The design is tailored for mass production and uses design and production experience gained from the Rheinmetall Directed Fragmentation Charges (DFC).

The warhead geometry and the size of the spheres have been chosen for maximized effects against personnel targets or light armoured targets such as pick-up trucks, helicopters or aircrafts. In the radius of 25 m the spheres are capable of penetrating 20 mm aluminum alloy, 10 mm mild steel or 14 mm titanium alloy with a considerable high fragment density.

The main charge uses insensitive qualified explosives. Alternative explosives are optional. The warhead uses an adapter between fuze and main charge to allow simple adaptation to different fuzes and detonator used in various carrier platforms without modifications to the main charge. Upon request, the warhead is adaptable in lethality to different targets by adjusting the size of the spheres without changes to the production process.

TECHNICAL DATA	
Diameter	134 mm
Length	260 mm
Total mass	7,500 g
Net explosive quantity	3,500 g
Number of spheres	>3,000
Diameter of spheres	5 mm
Sphere material	Tungsten heavy alloy
Penetration capability	
Aluminum alloy	>20 mm
Titanium alloy	>14 mm
Mild steel	>10 mm