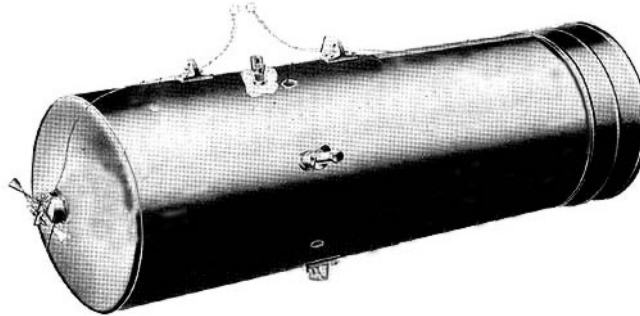


Ordnance Technical Data Sheet

U.S. BOMB, 325-350-LB, DEPTH BOMB, MK 54/MK 54 Mod 1



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|--------------------------------|--|
| Nomenclature: | MK54/MK 54 Mod 1 Depth Bomb |
| Ordnance Family: | Bomb |
| DODIC: | Obsolete |
| Filler: | HBX/Torpex* |
| Filler weight: | 113.14 kg (249.43 lbs) |
| Item weight: | 160.57 kg (354 lbs) |
| Diameter: | 350.52 mm (13.8 in) |
| Length: | 1.33 m (4.36 ft) |
| Maximum Range: | N/A |
| Fragmentation Distance: | 5,296 Feet |
| Fuze: | Nose: AN-M103, AN-M103 A1, and AN-Mk 219 Tail: AN-MK 230 Mods 4,5, and 6, or MK 231 |

Usage: This is an air dropped, high explosive depth bomb.

Description: Olive drab over all. "Mk 53.-325 lb. depth bomb", "Mk 54 Mod 1, 350 lb. depth bomb" stenciled on the respective bomb bodies in yellow if the filling is HBX, or Mk 54 in blue if the filling is Torpex. The cylindrical welded sheet-steel body has a flat nose.

*HBX (High Blast Explosive). High explosive composition containing RDX, TNT, Aluminum and a wax desensitizer. It was developed during WWII as a desensitized modification of Torpex explosives. HBX is an aluminized (powdered aluminum) explosive having the same order of sensitivity as composition B. HBX may produce pressure within a casing due to gassing. It is used as a bursting charge in mines, depth bombs, depth charges, and torpedoes.

*Torpex also known as TPX; German — Trialene, Trialine, Tetranol. It has a mixture containing RDX, TNT, and aluminum powder. It is solid and has a consistency of mortar, the color is silvery white or slate gray. Used as a main charge explosive which produces more blast effect than any other standard main charge explosive. Used in mines, in torpedo warheads, and in depth bombs. Also employed by the Germans as filler in their large armor piercing and high explosive bombs.

Reference: ORDATA Online, OP 1664.