20 x 102 Vulcan M246 HEIT-SD
(High Explosive Incendiary Tracer – Self-destruct)
Markings:

Fuze:
Blank. Identified as M505A3

Projectile:

Red band (High explosive)
TTT (denoting Tracer)
20MM M246 (caliber and type number)
HEI-T/SD (type description)
FN 18 (Factory and lotnumber of filling: Fabrique Nationale, Herstal)
FN 21-78 M 246 (Lot and date of manufacturing (1978) and type number of projectile)

Drive-band:
blank

Casing:

20x102 DM1003
LOS NWM-1-44 (lot and date of manufacturing)

Info:

High explosive incendiary with tracer and self-destruct feature (M246/M246A1).
The M246/M246A1 HEI-T-SD is intended for use against aerial targets. It has an HEI charge, a self-destruct relay charge, and a tracer element. It is assembled with an M505A3 point detonating fuze. The tracer burns for about 5 seconds whereupon the relay charge ignites and detonates the HEI charge. If impact with the target occurs before self-destruction, the PD fuze causes the HEI charge to detonate. The M246 has the HE and incendiary mix combined as one pellet; the M246A1 has the HE and incendiary charge loaded as separate pellets.

This particular projectile was made under licence by FN. It had the same specs as the M246A1 (separate charges).