

Israel Milltary Industries 3

Munition Systems Division »

Ammunition for the changing role of the tanks in modern battlefield

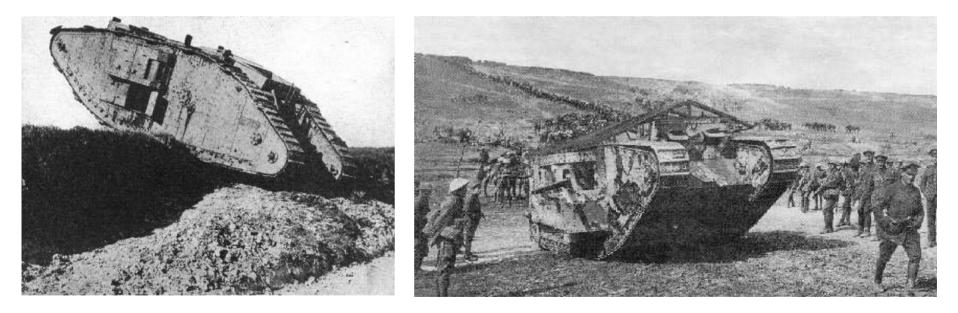
JACOB MOAV

April 2008





World War 1 – Infantry Support

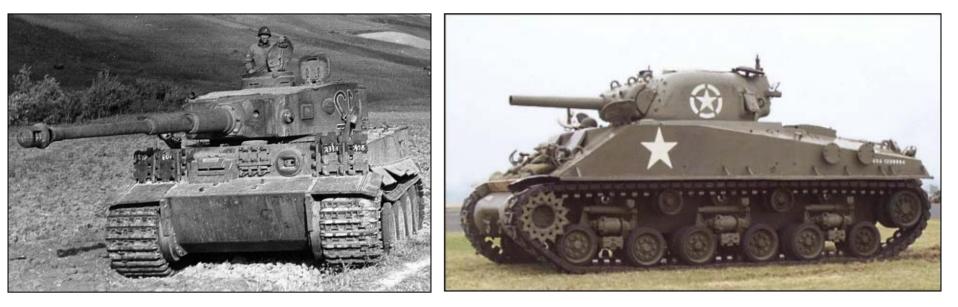


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World War 2 – Combined Arms Team



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Cold War – The Ultimate A.T. Weapon





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Unclassified

Cold War – The Ultimate A.T. Weapon

All shares the

HEAT-MP-T

APFSDS-T



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Main Role of the Tank: Direct Fire Support

21st Century – Asymmetric warfare











Anti-Personnel/Anti-Materiel Multi-Purpose Tank Round



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APAM - A True Multi-Purpose Round



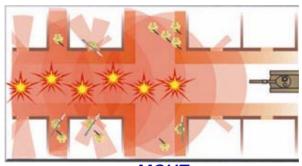
Infantry & AT Squads



Hovering Helicopters



Light Armour



MOUT



Wall Breaching



Concrete Wall

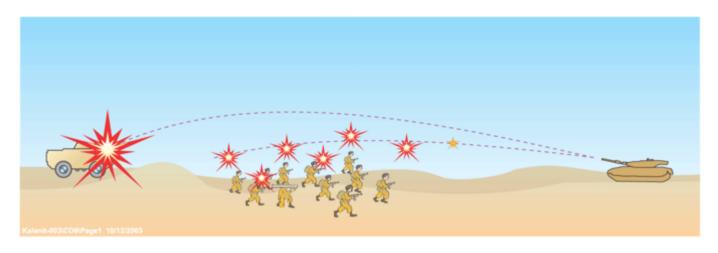




Earth & Timber Bunkers

Unclassified

APAM – Basic Modes of Operation



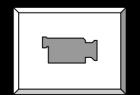
- Ejection Mode Ejected Warheads explode sequentially in the air after separation.
 - ✓ Anti-Personnel
 ✓ Anti-Helicopter
- Impact Mode Entire projectile explodes as a unitary warhead upon impact.
 - ✓ LAV's ✓ Bunkers & Buildings

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APAM Video Clip

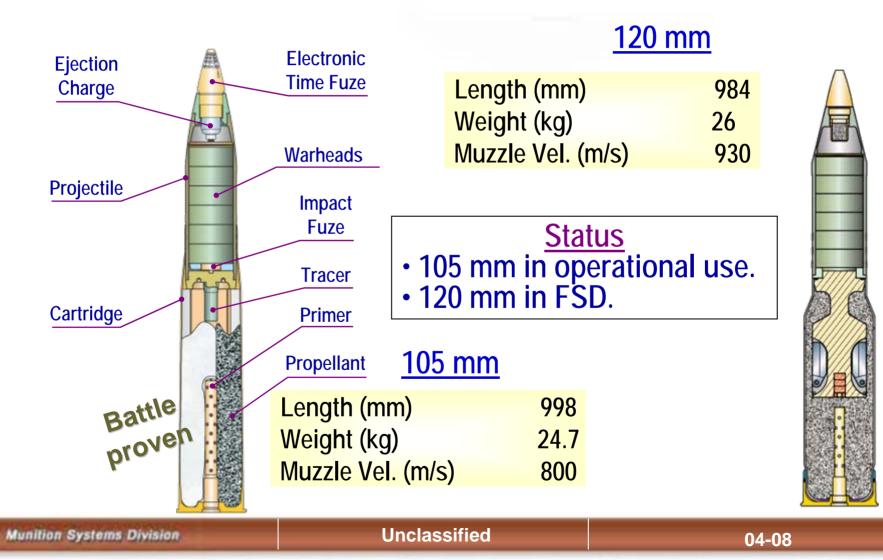
Range



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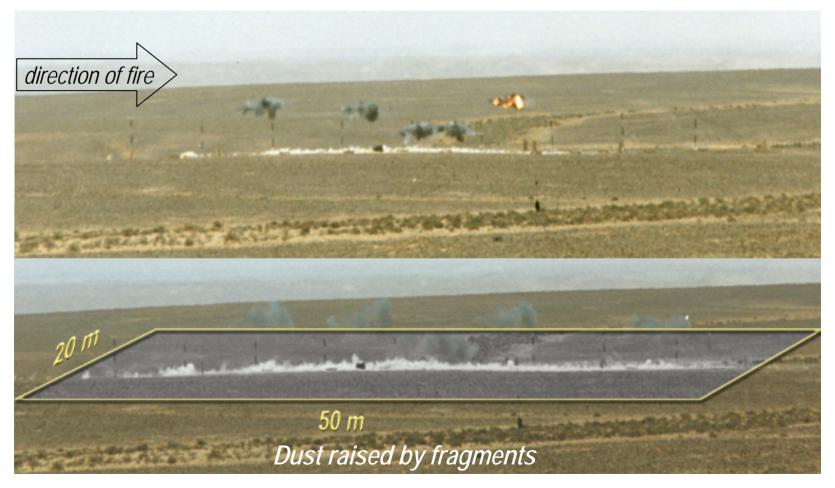
APAM Anti-Personnel/Anti-Materiel ROUND





APAM 105 - DYNAMIC ARENA TEST

Runt

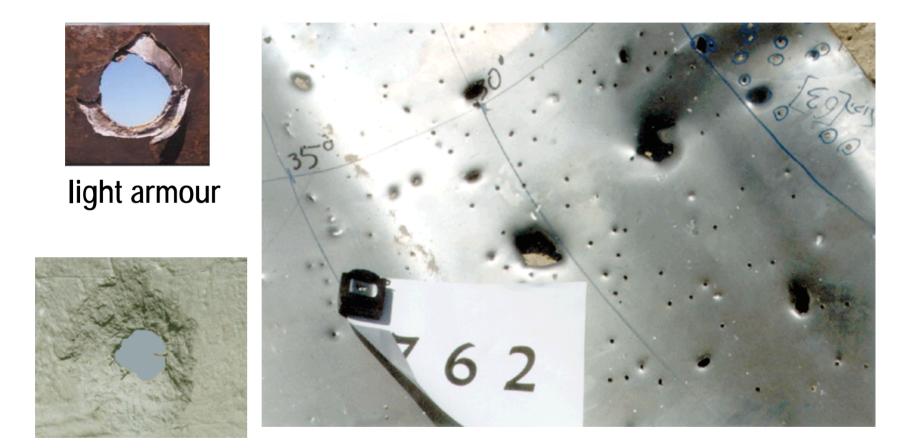


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sradi Military Industries Ltd. (IMI)

APAM 105 – Anti-Materiel Mode



double reinforced concrete wall

hits on witness plate

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APAM 105 - Damage to Sand & Timber Bunker



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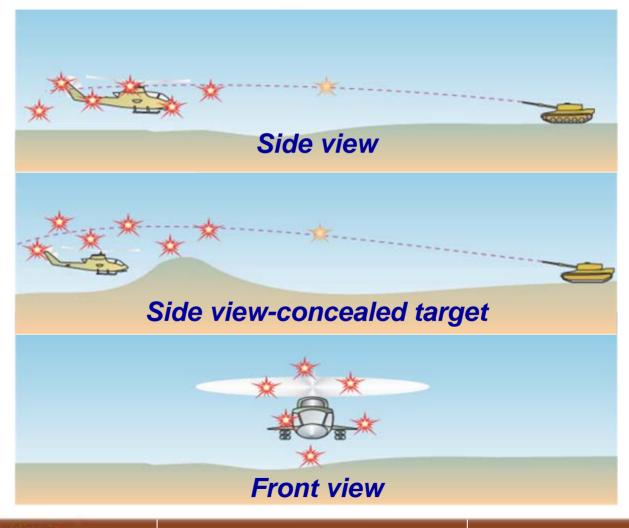
<u>APAM 105 - Wall Breaching Capability</u> (with optional SQ fuze)







ANTI HELICOPTER CAPABILITY

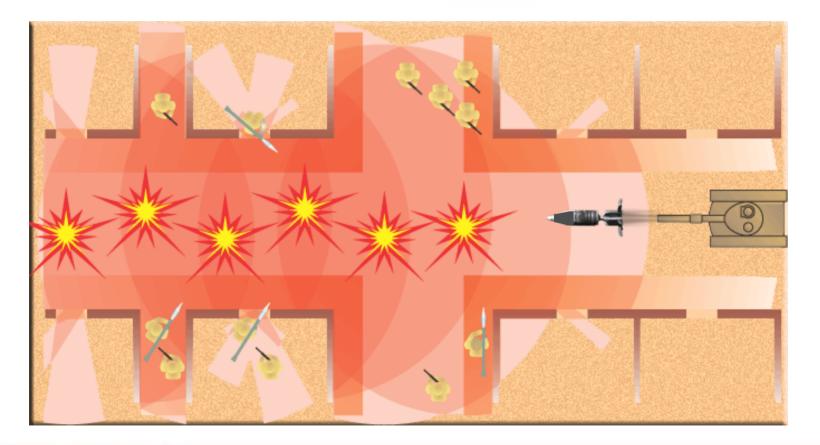


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MILITARY OPERATIONS IN URBAN TERRAIN



Israel Military Industries Ltd. (IMI)

HE-MP-T 120mm, M339 (High Explosive – Multi Purpose - Tracer Tank Round)



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<u>HE-MP-T 120</u> MISSION STATEMENT

To provide multi-purpose round for Main Battle Tanks (MBTs) against targets other than tanks:

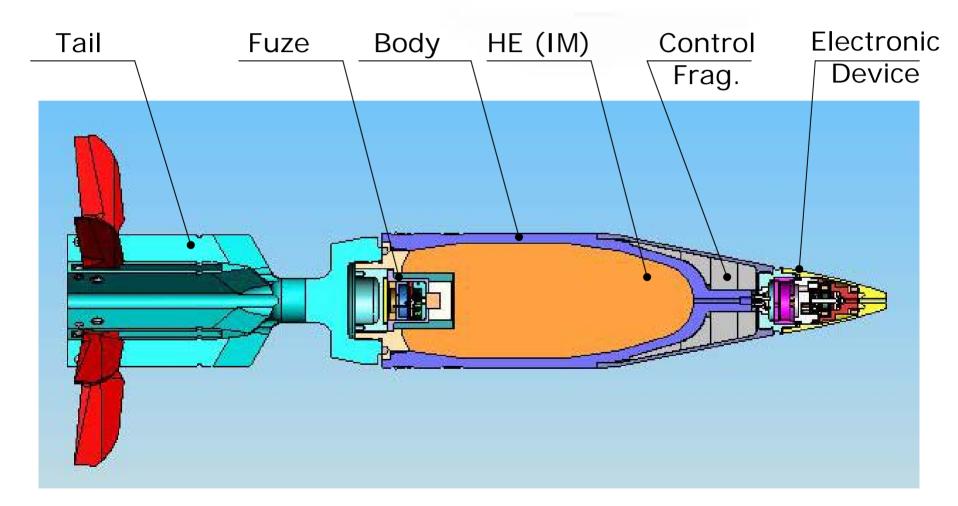
- To penetrate bunkers and buildings with maximum resulting damage
- To breach walls, allowing passage of friendly troops
- To destroy light armored vehicles (LAV's)
- To incapacitate infantry, especially AT squads (Ambush)





HE-MP-T 120 Projectile

Russ



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<u>HE-MP-T 120</u> Modes of Operation

- ✤ Air-burst (AB)
- Impact W/Delay [Delay = f (range)]
- Impact Super Quick [S.Q.]

- ✤ "Extra" features
 - Grazing functioning
 - Impact W/Delay as default set



Israel Military Industries Ltd. (IMI)

STUN CANTRIDGE CL 3872

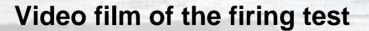
<u>105 / 120 mm STUN CARTRIDGE</u> (Less-Than-Lethal tank round)

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105 mm

Unclassified

120 mm



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Unclassified

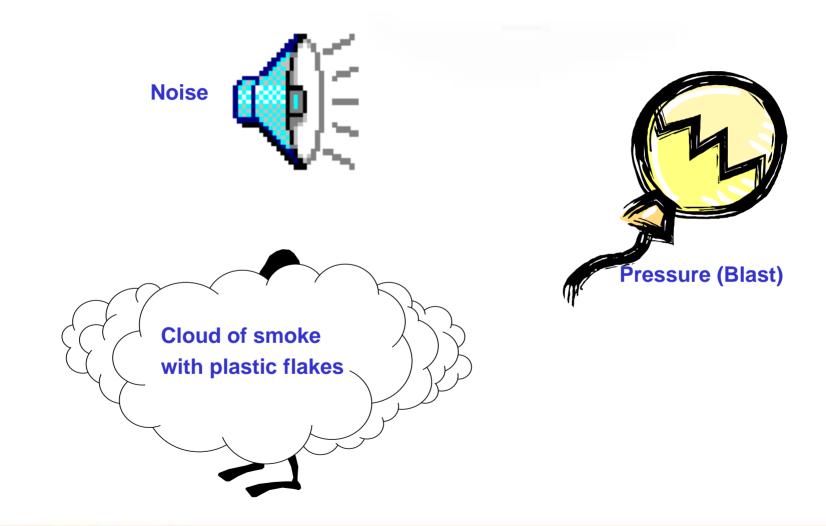
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The Stun Cartridge creates:



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- The cartridge can be used with all standard 105/120 mm Western tank guns.
- The stun cartridge can be loaded, unloaded, stowed and stored like any other tank round.
- This cartridge is indispensable for every armor force when action in urban and other populated terrains.

