



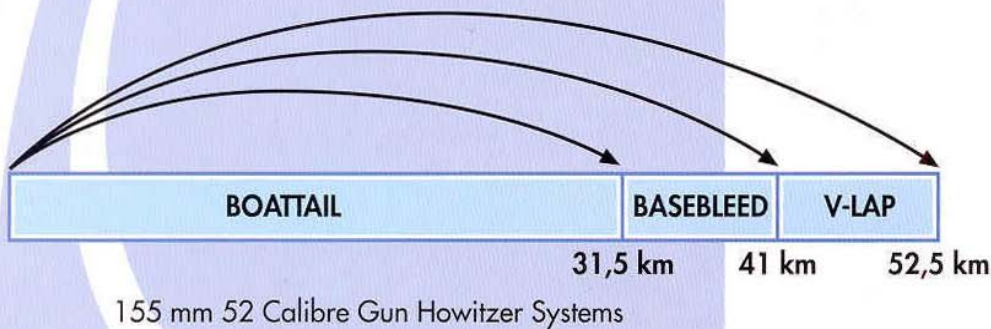
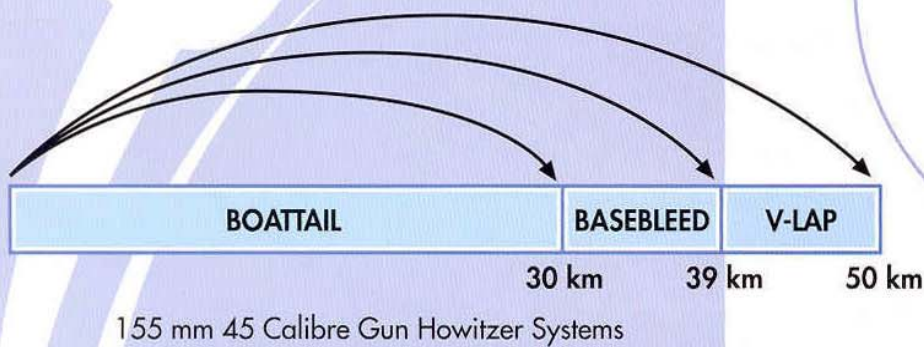
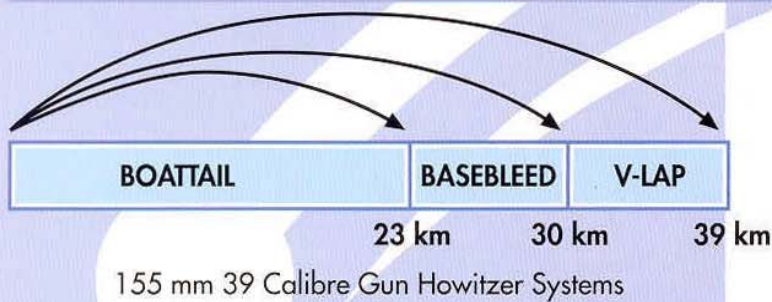
V-LAP
VELOCITY-ENHANCED LONG RANGE ARTILLERY PROJECTILE



- EXTENDS THE OPERATIONAL RANGE
- COMPATIBLE WITH MOST
155 mm GUN HOWITZERS
- NO SPECIAL DRILLS OR LOGISTICS

VELOCITY-ENHANCED LONG RANGE ARTILLERY PROJECTILE

- **V-LAP** (Velocity-enhanced Long Range Artillery Projectile) is a rocket assisted 155 mm projectile that will extend the operational range of most 39, 45 and 52 calibre 155 mm gun howitzers by ± 10 kilometres, depending on the gun and charge used. Dispersion specification is the same as that for standard ERFB ammunition.
- **V-LAP** is not intended to replace existing HE projectiles. It compliments existing ammunition systems and is compatible with most 155 mm gun howitzers, requiring no special drills or logistics.
- **V-LAP** enables 155 mm gun howitzers to engage enemy battle units whilst well beyond the range of their counter battery fire. It also enables long range harassment fire onto enemy logistic lines, forcing them to deploy an additional ± 10 kilometres from the front edge of the battle area.





**A Company with a vision
that knows no boundaries.**

NAVAL



**SHELL 155 mm
HE V-LAP
M9703A1**

ARTILLERY

FACTSHEET

SHELL 155 mm HE V-LAP M9703A1

UNIQUE FEATURES

- Ballistic similitude between all shell types.

TECHNICAL CHARACTERISTICS

	52-23 CALIBER	52-25 CALIBER
Total mass unfuzed (kg):	44,5 to 46,5	44,5 to 46,5
Length unfuzed (mm)	773,3	773,3
Explosive mass (kg):	4,5	4,5
Nub diameter (mm):	154,75	154,75
Driving band diameter (mm):	157,86	157,86
Fuze cavity:	STD NATO	STD NATO
Design pressure (MPa):	444	530

TYPICAL PERFORMANCE IN 52-23/52-25 CALIBER SYSTEM

	52-23 CALIBER	52-25 CALIBER
Muzzle velocity (m/s):	940	1.013
Chamber pressure (MPa):	444	530
Maximum range (m):	58.000	67.450
Consistency:		
-50% zone in range (%):	1,2	1,2
-50% zone in azimuth (mils):	2,5	2,5
Qualification temperature (°C):	-46 to +63	-46 to +63

PACKING AND MARKING

Marking:	Standard NATO marking or as per customer requirements.
Packing:	8 or 24 pack pallets or as per customer requirements.

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