



## Advanced Performance Bangalore Torpedo

### Description

The Chemring Energetics Advanced Performance Bangalore Torpedo (AP Bangalore) gives significant improvement in performance and is easier to carry and use. It has been chosen by the UK MOD following competitive performance trials.

### Features

- Lighter 1 metre long aluminium body
- Filled with 2kg DPX1 Pressed Explosive selected to reduce the IM signature of the system
- Each tube fitted with a Nose Cone and Detonator Housing for individual use
- Supplied with a carry strap for each individual tube
- The quick turn thread allows for easy assembly of up to 8 tubes for wider breaching
- The specially designed aluminium tube combined with the high density DPX1 pellets provides enhanced blast and fragmentation for cutting (up to 6mm steel plate) and defeating razor wire and other barricades
- Supplied packaged as a set four tubes in an end opening wooden box to provide an ALARP (As low as reasonably practical) IM Signature
- Can be initiated using a wide range of detonators

### Application

The traditional use for the 'Bangalore Torpedo' has been to defeat simple or complex entanglements made up of barbed or razor wire. The AP Bangalore incorporates a unique and patented design feature which enhances its cutting capability against these traditional non-resilient and incoherent target arrays. This design feature has also demonstrated cutting performance against a 6mm steel target. AP Bangalore can be joined with up to seven additional Bangalore Torpedo tubes for tactical deployment to defeat large or extended obstacles up to 8 metres in length.

### Safety

The AP Bangalore has been designed to meet the requirements of STANAG 4297 Guidance on the Assessment of the Safety and Suitability for Service of Non-Nuclear Munitions for NATO Armed Services, and STANAG 4497 Hand-Emplaced Munitions (HEM), Principles for Safe Design.

### Operation

The Bangalore Torpedo Tube assembles to the Detonator Housing, Nose cone and up to seven other tubes via a quick turn thread. The design of the thread has been optimised to ensure ease of assembly under conditions where the thread is contaminated with sand, soil, or mud, whilst being strong enough to allow the tactical deployment of up to eight connected tubes (without decoupling).

### Initiation

The AP Bangalore is designed with a universal detonator gland which is compatible with standard UK service Electric and Non-electric detonators, Mini-shock tube, Detonating Cord Boosters (DCB) and Integrated Firing Device (IFD). The design of the detonator gland and detonator housing accepts detonators up to 7.7mm in diameter. The DPX10 fill of the detonator housing permits the use of a pilot hole to accommodate a wide range of detonator lengths.

### Inert Drill and Instructional Units

Chemring recognises the increasing importance placed on the training of Armed Forces, enabling troops to become familiar with the equipment in a safe environment. Realistic training provides soldiers and engineers with the necessary experience and confidence to make the right decisions in real combat situations.

This is particularly important with one shot devices such as the AP Bangalore, the AP Bangalore Drill and Instructional units ensure the soldiers and engineers have all necessary weapons skills to maximise its deployment in combat situations.



Shipping Details			
Product Description	Charge Demolition Bangalore Torpedo Live L26A1	Charge Demolition Bangalore Torpedo Drill L27A1	Charge Demolition Bangalore Torpedo Instructional L28A1
Product Part Number	AU 092867	AU 092951	AU 092952
NATO Stock Number	1375-99-433-4953	1375-99-813-2175	1375-99-551-8314
UN Number	0048	NA	NA
Proper Shipping Name	Charges, Demolition	NA	NA
Hazard Class	1.1D	NA	NA
UN Packing Certificate	4D/Y52/S/**/GB/5881	NA	NA
Competent Authority Document Reference	TBC	NA	NA
Packing Instruction Reference	O9010PK	O9011PK	O9012PK

Packing Details		Live L26A1	Drill L27A1	Instructional L28A1
Qty in full pack		1 set	1 set	1 each
Type of pack		Wooden Box	Wooden Box	Wooden Box
External Dimensions	Length (mm)	1282	1282	1250
	Width (mm)	321	321	186
	Height (mm)	390	390	173
Per Unit	NEQ (kg)	2.03	NA	NA
	Net weight (kg)	4.2	4.2	4.0
Per Full Box (set)	NEQ (kg)	8.12	NA	NA
	Net weight (kg)	16.8	16.8	4.0
	Gross weight (kg)	51.0	51.0	12.0
	Volume (m <sup>3</sup> )	0.154	0.154	0.032

Shipping Methods	Road	Rail	Sea	Cargo Air	Passenger Air
Live L26A1	Yes	Yes	Yes	No	No

Palletisation Information	Live L26A1	Drill L27A1	Palletisation Information	Live L26A1	Drill L27A1
Qty of sets per container	1	1	Full layer NEQ (kg)	24.36	NA
Containers lengthways	1	1	Full layer net weight (kg)	50.4	50.4
Containers widthways	3	3	Full layer gross weight (kg)	-	-
Containers per layer	3	3	Full pallet NEQ (kg)	73.08	NA
Layers per pallet	3	3	Full pallet net weight (kg)	151.2	151.2
Containers per pallet	9	9	Full pallet gross weight (kg)	506	506
			Total number of products on a full pallet	9	9

Pallet Dimensions	Length (mm)	Width (mm)	Height (mm)	Volume (m <sup>3</sup> )	Torque (Nm)
Live L26A1	1282	1000	1310	1.68	136