Bangalore Blade™

Bangalore Blade™ is a modern replacement for the Bangalore Torpedo which has been used for over a hundred years. It is configured as a linear explosively formed projectile (EFP) array which is capable of cutting wire obstacles including those made in razor wire which conventional Bangalore Torpedos are incapable of breaching effectively.

The Bangalore Blade system is a lightweight Anti-Obstacle and General Explosive Engineering Charge to be used in an identical manner to the original Bangalore Torpedo, but which offers a number of inherent advantages over the original design. The Bangalore Blade is made using modern manufacturing techniques unavailable to the original designers, which have allowed Alford Technologies to incorporate into the design advanced shaped charge technology. This enhances the performance by giving the charge a cutting effect in addition to a blasting effect.

Features include:

> Incorporates both modern shaped charge & blasting technology

>Highly effective explosive effect, with a low NEQ

> Lightweight construction

> Can be User-filled or Factory pre-filled

> Shorter length allows for greater tactical flexibility

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Operating Principles

The Bangalore Blade is a multi-patterned linear EFP charge in which multiple cutting "blades" are formed which travel outwards radially, severing obstacles in their path. The blast from the explosive charge then clears the obstacles, leaving a path through the structure for the foot soldier to pass.

Explosive Load & Performance

The Bangalore Blade is designed to have exactly the same explosive load as the original Bangalore Torpedo, ensuring that the same amount of blast is provided to push the severed wire apart.

The system can be supplied as a user-filled or a factory filled charge. The Factory-filled version is provided with FPX V40 explosive from Forcit Defence, which conforms to Insensitive Munition Standard STANAG 4439.

In trials conducted with two identical razor wire entanglements erected between steel pickets. The original Bangalore Torpedo cleared a 3m path through the triple-razorwire, while the Bangalore Blade Factory-filled version completely cleared a 10m path through the same wire.

Safety

As with all Alford Technologies equipment, operator safety is an integral part of the design concept. The charge body is made from extruded aluminium which has excellent cutting performance at short range but which loses momentum rapidly and has limited range, making it inherently safer to use.

Bangalore Blade™ fired against razor wire obstacle

Product Specifications

	Bangalore Blade - Pre-Filled	Bangalore Blade - User- Filled (BT2902)
Pack Contents	12 x 0.5m lengths, 10 x couplings, 2 x nose cones, 5 x Shocktube Systems 50m	12 x 0.5m lengths, 4 x couplings, 2 x nose cones
Dimensions	H 40mm, W 40mm, L 500mm	H 40mm, W 40mm, L 500mm
Filled Gross Weight	1250g	1250g
Bangalore Tube Weight	500g	500g
Main Charge Explosive Filling	FPX V40 (Weight 750g)	Military plastic explosive of your choice
Package Weight	25kg	9kg
Package Dimensions	H 300mm, W 340 mm, L 590 mm	H 180 mm, W 160 mm, L 1020 mm
NEQ	750g per 0.5m unit	750g per 0.5m unit
Box NEQ	9kg	Nil
Hazard Division	1.1D	N/A

Bangalore Blade™

Other products to consider:

Universal Demolition Block™ – for general demolition tasks

Rebar Cutter™ – for severing reinforced bar or cable

Vesuvius EFP™ – stand-off shaped charge

Dioplex™ – linear cutting charge (steel and concrete targets)

Our explosives filling partner:

FORCIT DEFENCE

For further information:

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