

# **SABREX**

... A Cut Above

**SABREX** is a flexible and explosively efficient family of linear cutting charges.

It is the most highly developed explosive cutting toolset on the market and provides the Demolitions Engineer, Breacher and EOD specialist with an unrivalled capability on land and underwater.

**SABREX** has been selected by the UK M.o.D. to meet its requirements for flexible linear cutting charges



- Compact, versatile tool providing surgical cutting to a wide range of engineering and building materials so they may be cut with reliability, speed and precision
- Precision made, yet robust. Fast and easy to deploy. Cut to length with a knife and is self adhesive
- Maintains full cutting performance through the oxygen diving range down to -15m depth underwater
- Cutting performance is unchanged by bending in any plane
- Inert Training natures of each SABREX variant are also available



The table below shows severance (thickness of target reliably severed):

SABREX Nature	Explosive Loading (g/m)	Severance [Plate cut] (mm)	Effective Bend Radius (mm)	
		Target BS EN 10025 Weldable Steel	Tubular Plain	Plate Plain
SABREX0040	40	3 (or 1/8 inch)	50	200
SABREX0100	100	6 (or 1/4 inch)	50	200
SABREX0350	350	12 (or 1/2 inch)	50	200
SABREX0600	600	19 (or 3/4 inch)	50	300
SABREX1150	1150	25 (or 1 inch)	100	400

Performance is rated 0.99 at 95% confidence for BS EN 10025 common steel.

**SABREX performance has been matched to the most commonly occurring thicknesses of steel target:**

#### Conventional Demolitions:

Steel structures, concrete structures (with & without reinforcement), timber construction, tubes (as pipe work, piles, pier supports and offshore platform space frames) and chains. Proven against most material and construction standards - European (CEN), UK (BSI), US (ANSI, API) and Soviet Republic (GOST).



#### Unconventional Demolitions:

Railway lines, power lines, hoses, fibre-optic cables, tension cables and pylons.



### Breaching (EMOE):

Walls (steel, masonry, wood and mud), doors (steel and wood) and windows (including toughened and security laminated glass).



### Explosive Ordnance Disposal (EOD):

Most commonly occurring general ordnance (iron bomb, shell and mortar).



### Proven ancillaries available:

- Additional fasteners and adhesives for wet attachment to commonly occurring target types.
- Non-electric initiation solutions.
- Breaching Frames (with optimised initiator placement).

### Comprehensive Expert User training:

Hands-on course providing advanced user technique tuition – most efficient and reliable approaches for plate, chain, tubular and concrete slab, with focus on array configuration, attachment and initiation methods. Note: SABREX should only be used by competent personnel who have undergone a course of instruction in explosives handling and use.

### Energetic Material

SABREX contains DPX-9, an RDX based, plastic explosive which has been developed by CEUK and its sister company Chemring Nobel AS. The Velocity of Detonation of DPX-9 is 8186 (+/- 130) m/s. DPX-9 is marked with 1% DMNB taggant in accordance with the Marking of Plastic Explosives for Detection Regulations, MPER 1996 (Amended).



### Packaging, Shipping, Storage:

- SABREX normally supplied in 1m to 4m lengths but can be supplied in lengths to meet specific needs.
- Proper shipping name:  
**Charges, Shaped, Flexible, Linear**
- UN Serial Number **0288**
- UK Hazard Class/Division and Compatibility Group **1.1D**



SABREX Nature	Explosive Loading (g/m)	Nominal Overall Dimensions	
		Height (mm)	Width (mm)
SABREX0040	40	14	24
SABREX0100	100	21	36
SABREX0350	350	33	50
SABREX0600	600	43	63
SABREX1150	1150	56	79

SABREX can be tailored to suit customer applications in terms of bespoke natures to match specific target sets and or ancillaries to meet application specific requirements. CEUK welcomes feedback from customers and user for future product enhancements.

CEUK conducts a policy of continual product development and improvement and therefore reserves the right to change any of the details contained within this pamphlet. Contact CEUK for the latest technical specification.

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