



PYROTECHNIC SOLUTIONS



LAW ENFORCEMENT, MILITARY
AND SPECIAL FORCES

INTRODUCTION

Centanex was established in 2009 to meet the ever changing and increasing demands of worldwide police and military forces for high quality, accurate, safe and cost effective pyrotechnic solutions.

Based at Faldingworth in Lincolnshire, England, our dedicated facility enables the company to offer a wide range of services to its customers including research and development, concept design, prototyping, proofing, manufacturing, HSE (Explosives Inspectorate) CAD processing and ultimately product supply.

All of our products are designed, manufactured, and supplied from within the United Kingdom, ensuring continuity and reliability of supply utilising a network of local and national approved suppliers.

Centanex count over 75% of the UK's police forces as customers for both training and operational uses. A close working relationship between Centanex and GMK resulted in GMK buying a 44% stake in Centanex in June 2016. In 2021 GMK concluded a majority share acquisition of Centanex. Centanex is now a proud brand of the GMK Limited company and wider Beretta Defence Technologies family.

The company is accredited to the International Quality Standard ISO 9001, Environmental Management ISO 14001 and Occupational Health & Safety Management and also holds Cyber Essentials Certification.





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OUR PRODUCTS

Centanex specialises in advanced tactical and training solutions designed to meet the demanding needs of military, law enforcement, and security professionals. Our product lineup includes high-performance breaching cartridges, smoke grenades, and training devices, all engineered for reliability, safety, and effectiveness in the field. With a focus on innovation and quality, Centanex delivers tools that enhance operational success and improve training realism across a wide range of tactical scenarios.

Trusted by professionals worldwide, Centanex products are built to perform under pressure, providing consistent results when it matters most. Whether for forced entry, concealment, signalling, or realistic training, Centanex offers a comprehensive suite of solutions that empower teams to operate with confidence and precision.



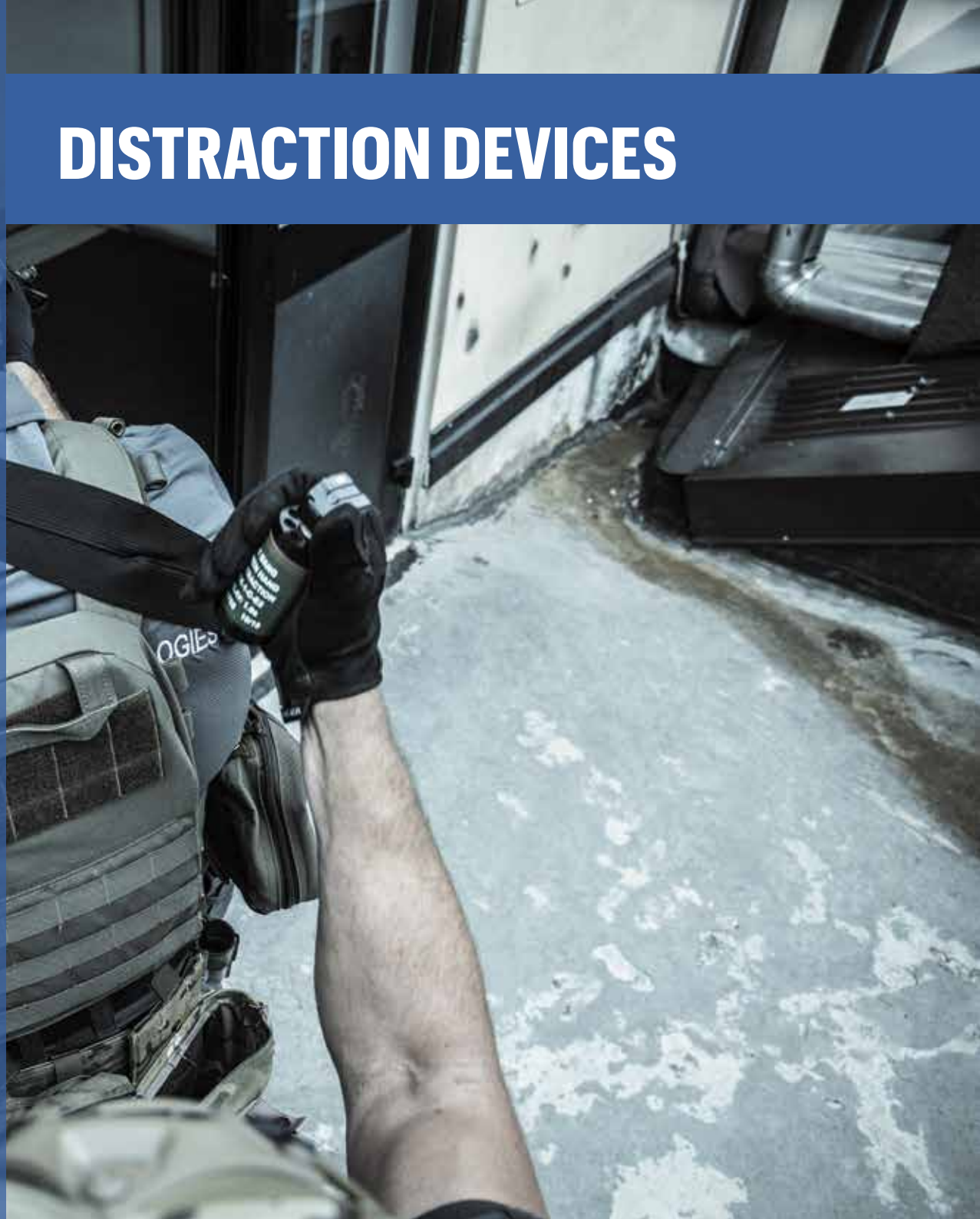
DISTRACTION DEVICES

MULTI BANG AT A GLANCE

The Centanex Multi Bang Distraction Devices are Noise Flash Distraction Devices, designed for indoor or outdoor use by Law Enforcement Agencies and Special Forces during dynamic entry situations and hostage release scenarios.

Significant Noise, Blast and Light output levels are produced to induce disorientation in any person within the effective range.

On activation the various devices will deliver a significant flash followed by 1, 2, 6, 7 or 9 reports, depending on the device selected, during function there are no fragmentation or projectile concerns. To minimise obscuration, once initiated the device offers a significantly reduced smoke signature and has limited movement on functioning.



CTX 1 BANG

DISTRACTION DEVICE

The CTX 1 Bang Distraction Device, is designed for indoor or outdoor use by Law Enforcement Agencies and Special Forces during dynamic entry situations and hostage release scenarios.

On activation the device delivers a single (1) report and an intense flash.

During function the device presents no fragmentation or projectile concerns. Designed to minimise obscuration, once initiated the device offers a significantly reduced smoke signature and limited movement on function.

Significant Noise, Blast and Light output levels are produced to induce disorientation in any person within the effective range.



DIMENSIONS AND OUTPUTS

Overall Length (mm)	115 or 145mm
Diameter	43mm
Weight of Body Approx.	305 gms
Effect	1 Bang Sound and Flash
Delay Time	0.5, 1.0 and 1.5 sec
Venting	Top & Bottom
Sound Intensity (2m distance)	170 db C+
Net Explosive Content	7.3 gms
Light Intensity	> 3 million + C
Ignition	Fly-Off Lever
Temperature Range	-46°C to 71°C
Diving Depth	20 meters

Application:

- Dynamic/tactical entry
- Various hijack/hostage situations
- Anti-terrorist operations

STANDARD COLOUR MARKING

Body	Jet Black, Bronze Green and Fawn Brown
Markings	White

CTX 2 BANG

DISTRACTION DEVICE

Application:

- Opposed entry/CT operations
- Dynamic/tactical entry
- Various hijack/hostage recovery situations

The CTX 2 Bang Distraction Device range are Noise Flash Distraction Devices, designed for indoor or outdoor use by Law Enforcement Agencies and Special Forces during dynamic entry situations and hostage release scenarios.

Significant Noise, Blast and Light output levels are produced to induce disorientation in any person within the effective range. On activation the device delivers 2 reports and a flash of 1 million Candela during function. The Device presents no fragmentation or projectile concerns. Designed to minimise obscuration once initiated the device offers a significantly reduced smoke signature, with limited movement on function.

STANDARD COLOUR MARKING

Body	Jet Black, Bronze Green and Fawn Brown
Markings	White

DIMENSIONS AND OUTPUTS

Overall Length (mm)	115 or 145mm
Diameter	43mm
Weight of Body Approx.	325 gms
Effect	2 Bang Sound and Flash
Delay Time	0.5, 1.0 and 1.5 sec
Venting	Top & Bottom
Sound Intensity (2m distance)	165 db C+
Net Explosive Content	2.5 gms
Light Intensity	> 1 million + C
Ignition	Fly-Off Lever
Temperature Range	-46°C to 71°C
Diving Depth	20 meters



CTX 3 BANG

DISTRACTION DEVICE

The CTX 3 Bang Distraction Device, is designed for indoor or outdoor use by Law Enforcement Agencies and Special Forces during dynamic entry situations and hostage release scenarios.

On activation the device delivers 3 reports report and an intense 1 million Candela Flash.

During function the device presents no fragmentation or projectile concerns. Designed to minimise obscuration, once initiated the device offers a significantly reduced smoke signature and limited movement on function.

Significant Noise, Blast and Light output levels are produced to induce disorientation in any person within the effective range.



DIMENSIONS AND OUTPUTS	
Overall Length (mm)	115 or 145mm
Diameter	43mm
Weight of Body Approx.	367 gms
Effect	3 Bang Sound and Flash
Delay Time	0.5, 1.0 and 1.5 sec
Venting	Top & Bottom
Sound Intensity (2m distance)	165 db C+
Net Explosive Content	2.9 gms
Light Intensity	> 1 million + C
Ignition	Fly-Off Lever
Temperature Range	-46°C to 71°C
Diving Depth	20 meters

Application:

- Dynamic entry training
- ARV intervention/entry training

STANDARD COLOUR MARKING	
Body	Jet Black, Bronze Green and Fawn Brown
Markings	White

CTX 6 BANG MULTI BURST

DISTRACTION DEVICE

Application:

- Opposed entry/CT operations
- Dynamic/tactical entry
- Various hijack/hostage recovery situations

The CTX 6 Bang Multi Burst Distraction Device are Noise Flash Distraction Devices, designed for indoor or outdoor use by Law Enforcement Agencies and Special Forces during dynamic entry situations and hostage release scenarios. Significant Noise, Blast and Light output levels are produced to induce disorientation in any person within the effective range.

On activation the device delivers 6 reports and a flash of 3 million Candela during function. The Device presents no fragmentation or projectile concerns. The CTX 6 Bang is designed to minimise obscuration, once initiated the device offers a significantly reduced smoke signature, with limited movement on function.

STANDARD COLOUR MARKING

Body	Jet Black, Bronze Green and Fawn Brown
Markings	White

DIMENSIONS AND OUTPUTS

Overall Length (mm)	115 or 145mm
Diameter	40mm
Weight of Body Approx.	275 gms
Effect	6 Bang Sound and Flash
Delay Time	0.5, 1.0 and 1.5 sec
Venting	Top & Bottom
Sound Intensity (2m distance)	165 db C+
Net Explosive Content	5.75 gms
Light Intensity	> 3 million + C
Ignition	Fly-Off Lever
Temperature Range	-46°C to 71°C
Diving Depth	20 meters



CTX 7 BANG MULTI BURST

DISTRACTION DEVICE

The CTX 7 Bang Multi Burst Distraction Devices are Noise Flash Distraction Devices, designed for indoor or outdoor use by Law Enforcement Agencies and Special Forces during dynamic entry situations and hostage release scenarios. Significant Noise, Blast and Light output levels are produced to induce disorientation in any person within the effective range.

On activation the device delivers 7 reports and a flash of 3 million Candela during function. The Device presents no fragmentation or projectile concerns. The CTX 7 Bang is designed to minimise obscuration, once initiated the device offers a significantly reduced smoke signature, with limited movement on function.



DIMENSIONS AND OUTPUTS

Overall Length (mm)	115 or 145mm
Diameter	43mm
Weight of Body Approx.	295 gms
Effect	7 Bang Sound and Flash
Delay Time	0.5, 1.0 and 1.5 sec
Venting	Top & Bottom
Sound Intensity (2m distance)	165 db C+
Net Explosive Content	6.75 gms
Light Intensity	> 3 million + C
Ignition	Fly-Off Lever
Temperature Range	-46°C to 71°C
Diving Depth	20 meters

Application:

- Dynamic entry training
- ARV intervention/entry training

STANDARD COLOUR MARKING

Body	Jet Black, Bronze Green and Fawn Brown
Markings	White

CTX 9 BANG MULTI BURST

DISTRACTION DEVICE

Application:

- Opposed entry/CT operations
- Dynamic/tactical entry
- Various hijack/hostage recovery situations

The CTX Multi Burst Distraction Device are Noise Flash Distraction Devices, designed for indoor or outdoor use by Law Enforcement Agencies and Special Forces during dynamic entry situations and hostage release scenarios. Significant Noise, Blast and Light output levels are produced to induce disorientation in any person within the effective range.

On activation the device delivers 9 reports and a flash of 3 million Candela during function. The Device presents no fragmentation or projectile concerns. The CTX 9 Bang is designed to minimise obscuration, once initiated the device offers a significantly reduced smoke signature, with limited movement on function.

Note: Overall function coverage is 2.5 sec from first Report

STANDARD COLOUR MARKING

Body	Jet Black, Bronze Green and Fawn Brown
Markings	White

DIMENSIONS AND OUTPUTS

Overall Length (mm)	115 or 145mm
Diameter	40mm
Weight of Body Approx.	280 gms
Effect	9 Burst, Sound and Flash
Delay Time	0.5, 1.0 and 1.5 sec
Venting	Top & Bottom
Sound Intensity (2m distance)	170 db C+
Net Explosive Content	8.65 gms
Light Intensity	> 3 million + C
Ignition	Fly-Off Lever
Temperature Range	-46°C to 71°C
Diving Depth	20 meters



CTX1 BANG

RELOADABLE DISTRACTION DEVICE

The CTX Single Burst Reloadable Training Device comprises of a consumable sound/flash unit with fly off lever mechanism and high-grade aluminium reusable blue training body which is identical in shape and size to the Single and Multi-Burst Tactical Distraction Device(s). The training body and sound/flash units supplied are a cost-effective means for users to obtain and retain the skills associated with the deployment and use of Noise Flash Distraction Devices. The sound/flash unit complete with Fly off Lever Mechanism is screwed into the training body with no tools required. This device, ensures continuity through training and operational deployment.

Note: The practice bodies are inert, until the practice fuse is affixed to the practice body.



DIMENSIONS AND OUTPUTS	
Overall Length (mm)	115 or 145mm
Diameter	40mm
Weight of Body Approx.	Body 260 gms Reload 85 gms
Effect	1 Bang Reloadable Distraction Grenade
Delay Time	0.5, 1.0 and 1.5 sec
Venting	Bottom
Sound Intensity (2m distance)	155 db C+
Net Explosive Content	0.65 gms
Ignition	Fly-Off Lever
Temperature Range	Not applicable
Diving Depth	Not applicable

Application:

- Dynamic entry training
- ARV intervention/entry training

STANDARD COLOUR MARKING	
Body	Jet Black, Blue and Fawn Brown
Markings	White

SMOKE GRENADES

CONCEALMENT AND SIGNALING

Centanex smoke grenades are suitable for use in both open terrain and confined urban settings. Their rugged, field-proven design ensures safe handling and deployment under pressure, making them an essential tool for tactical operations, training exercises, and crowd control missions. Whether used for visual obstruction or communication, Centanex delivers smoke solutions with precision and reliability.



CTX SCREENING SMOKE

HAND GRENADE

The CTX Screening Smoke Device is designed to produce a dense curtain of smoke to mask the removal or deployment of personnel in tactical and training situations. The body comprises of an extruded aluminium casing and proprietary fly off lever mechanism. The smoke composition is emitted via an exhaust port in the base of the unit.



DIMENSIONS AND OUTPUTS

Overall Length (mm)	124 mm
Diameter	40 mm
Effect	White Smoke
Net Explosive Content	Max 90gms
Burn Time	Approx 40 secs
Ignition	Fly-Off Lever

STANDARD COLOUR MARKING

Body	Jet Black, Silver, Bronze Green and Fawn Brown
Markings	White

Application:

- Rapid concealment of personnel and assets.
- Reducing the accuracy of enemy fire
- Close protection contingency for the removal of VIP(s).
- Cover for the deployment or redeployment of personnel.

AMMUNITION

HIGH PERFORMANCE FRANGIBLE ENTRY

Centanex Tactical Breaching 12 Gauge Cartridge—a solution for rapid, controlled entry. Designed for law enforcement and military use, it delivers powerful door and lock disruption with a frangible projectile that minimises risk to operators and occupants. Optimised pressure ensures consistent performance across various breaching scenarios. Trusted in high-stakes environments, Centanex provides the tactical edge when every second counts.

Built for reliability and precision, the Centanex Breaching Cartridge is compatible with standard 12 gauge shotguns and requires no weapon modification. Its reduced ricochet and over-penetration risk make it ideal for dynamic entry operations in urban and close-quarter environments.



BREACHER

12GA CARTRIDGE



The CENTANEX BREACHER range of 12-Gauge cartridges uses industry leading projectile technology to achieve unrivalled performance in tactical breaching operations, whilst negating the hazards of ricochet and over penetration.

The frangible projectile's kinetic energy transfer technology ensures effective and reliable destruction of locking mechanisms, dead bolts and hinges.

Cartridges are available in three different projectile weights and two different frangible materials to suit all breaching requirements from steel security doors to domestic residences.

Application:

- Close-quarters tactical entry
- Door and lock breaching
- Hostage rescue, counter-terrorism, and high-risk warrants



TECHNICAL DATA	
Type	Breaching
Calibre	12 GA - 70mm (2¾") Magnum
Projectile Weight	24 grams
	375 grains
	32 grams
	490 grains
	39 grams
	595 grains
Primer/Propellant	Shotshell/Double Based Nitrocellulose
Case Material	Brass Alloy - Plastic
Weapon Compatibility	Cylinder Bore – Magnum Proofed
Warranty	5 Years

STANDARD COLOUR MARKING	
Body	CTX can meet all user requirements in case colour and marking.
Markings	

RESEARCH & DEVELOPMENT

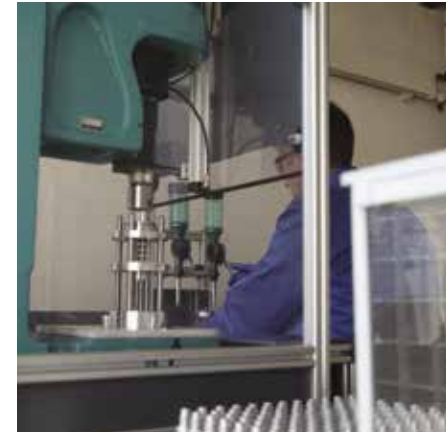
Centanex is uniquely positioned to be able to undertake specialist Research & Development projects. Customers are typically the military, police, government and commercial organisations requiring a pyrotechnic or engineering solution to specific operational and training situations.

Specialist testing and proofing equipment alongside an experienced and dedicated development team, can provide accurate test and evaluation data and the basis to progress projects within a highly structured environment.

To discuss your requirements, as well as the nature and type of testing undertaken, please contact us for further details.

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BERETTA DEFENSE TECHNOLOGIES

Beretta Defence Technologies UK (BDTUK)

Beretta Defence Technologies (BDT) is the strategic alliance of Beretta Holding defence companies. BDT produce some of the finest weaponry and equipment in their markets. Masters of excellence and new world thinkers, these companies have focused their combined technical prowess to become a single source contact in an effort to supply governments and agencies with the vital tools that fully address the requirements of modern combat and policing.

BDT is a proven solution provider of services, weaponry and equipment - including firearms, ammunition, optics, electro-optics and tactical clothing - but the alliance is more than mere physical products, it offers the opportunity to enhance the performance of each product provided. Through research, technologies, devices and solutions, BDT has the ability to custom-tailor each product to match every operational and situational need.

Modern soldiers and law enforcement officers need to have confidence in the tools available to them to complete the tasks that they are faced with. BDT listens closely to fully understand the goals and requirements of governments and agencies, then leverage the expertise, dedication and innovation of its subsidiaries to develop ideas and equipment that is unique and high-tech, giving military and law enforcement professionals a tactical advantage.

www.bdtuk.uk/



Beretta NARP



Steiner T1xi



Sako AR15





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