



## EOD CATALOG

**HBA**

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High-tech solutions for defense industries

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## Personal Protective Equipment

Fragment Protection ARC 3.....	1-5
Fragmentation shield 34.....	6
Manipulator arm.....	7

## Breaching Equipment

Electronic blasting machine.....	
Demolition Kit 23.....	8-9

## EOD / IEDD Tools & Accessories

EOD-Response Tool Kit R.S.P.....	10
Search tool set 21.....	11-12
Non Magnetic tool set.....	13-14
HDT tool set 26.....	15
Basic tool set 28.....	16
EOD tool set ASW-1 29.....	17
EOD Emergency kit 12.....	18
Mirror search kit.....	19
EOD - tripod 20.....	20
Hook & line kit 1.....	21
Hook & line kit 2.....	22
Hook & line kit 3.....	23
Hook & line kit 4.....	24
Hook & line kit.....	25-27
Defusing Device ZA-1.....	28
Special kit in a backpack 9.....	29-30

## Bomb containment

Bomb Transportation Basket 35.....	31
Bomb blanket 500m/s 150 x 150cm 41.....	32
Bomb blanket 610m/s 150 x 150cm 43.....	
Bomb blanket 500m/s 120 x 120cm 45.....	
Bomb blanket 610m/s 120 x 120cm 47.....	
Bomb blanket 610m/s 200 x 150cm 49.....	
EOD – Trailer HSI-2 38.....	33

# BOMB SUIT

EOD Bomb Disposal Suit which is a state of-the-art garment specifically designed to give the highest level of protection with the maximum comfort and flexibility to the user at an affordable price. The ballistic levels and materials used in the various components of the EOD Bomb Disposal Suit are tested and evaluated to the full quality assurance standards laid down by the appropriate Government organizations. We are proud to announce the introduction of our latest 2011 ARC Model

The ARC 2011 model EOD Bomb Suit is designed to offer the maximum protection with the minimum weight making it one of the world's most advanced high -performance cost -effective suits available. The suit is in service with many EOD Teams throughout the world and as such has proved itself operationally on numerous occasions. Our latest Generation suit aims to be the most comfortable and flexible suit available offering the highest levels of protection against blast threats:

- Overpressure
- Shock Waves
- Primary and Secondary Fragmentation
- Displacement Force
- Heat / Fire.

The latest material technology is used to keep the suit as flexible and as comfortable as possible whilst maintaining the highest levels of integrated protection all round the body. The suit can also be quickly donned without special assistance and incorporates a quick release system for the rapid removal of the suit.

The new ARC 2011 model EOD Bomb Suit uses the latest Aramid technology available from DuPont® which offers the best flexibility to weight ratio without compromising the ballistic performance. Moreover, the helmet incorporates the latest Aramid technology and multi layer system which allows it to be one of the lightest and most comfortable EOD helmets on the market.



# BOMB SUIT



2011 ARC Model Smock



2011 ARC Model Blast  
Plates Chest and Groin



2011 ARC Model  
Spinal Protector



2011 ARC Model Sleeve



Boots and hand protectors



2011 ARC model EOD Helmet , Visor and Demister



# BOMB SUIT- PROTECTION

Protection performance figures are for the Stanag 2920 17 grain (1.1gm) (Mil Std 662) fragment simulator. Also conforms to Mil Std 1472 re fitting and sizing

## ARC 2011 model EOD Bomb Suit V50 RATINGS

Test standard	MIL STD 662E Stanag 2920
Description	ARC 2011 Model
Chest plate and jacket front	1900+ m/s Front of Jacket only 690m/s plus + Blast Plates 1300 m/s
Neck	690m/s
Jacket front	690m/s
Jacket rear	607m/s
Sleeve front	607m/s
Sleeve rear	607m/s
Front collar	1600m/s w/steel insert .690 m/s Jacket and Blast Plates 1300 m/s =1900 m/s
Front groin plate and groin protector	1600m/s  Front of trousers only 690m/s Blast Plates 1300 m/s Total 1900+ m/s
Rear groin protector	500m/s
Trousers with thigh inserts	690m/s
Trousers-shin insert	690m/s
Trousers-knee insert	690m/s
Rear trousers	607m/s
Helmet	680 m/s *
Visor	688m/s*Standard Upgrade option 790 m/s
Suit weight	28.20kg Suit without up Armour Blast Plates 15.3 kg
Helmet weight	3.2kg
Suit Material	Fire resistant Nomex 111A Comfort or Kermel
Ventilation and demisting	With helmet mounted fan
Communication	Full duplex hardwire system-100m range
Hand covers	607 V50 (m/s)
Front Collar	850 V50 (m/s) without steel insert
Back Collar	607 V50 (m/s)
Front Thigh	690 V50 (m/s)
Shoe covers	607 V50 (m/s)
Warranty	2 years 2 years

# BOMB SUIT

## ARC 2011 model EOD Bomb Suit sizes and weights in Kgs

	small	medium	large	xlarge
Smock	7.4	8.8	10.2	12.2
Trousers	6.5	6.9	7.05	10.6
<b>Smock, trousers</b>	<b>13.9</b>	<b>15.7</b>	<b>17.25</b>	<b>22.8</b>
Spine protector	0.8	0.8	0.8	0.8
<b>Smock, trousers, spine protector</b>	<b>14.7</b>	<b>16.5</b>	<b>18.05</b>	<b>23.6</b>
Blast plates	4.85	4.85	4.85	5.87
<b>Smock, trousers, spine protector, &amp; blast plates</b>	<b>19.55</b>	<b>21.35</b>	<b>22.9</b>	<b>29.47</b>
Power pack	2.3	2.3	2.3	2.3
<b>Smock, trousers, spine protector, blast plates, power pack</b>	<b>21.85</b>	<b>23.65</b>	<b>25.20</b>	<b>31.77</b>
Helmet	3.20	3.20	3.20	3.20
<b>Total smock, trousers, spine protector, blast plates, power pack, helmet</b>	<b>25.05</b>	<b>26.85</b>	<b>28.40</b>	<b>34.97</b>

## BOMB SUIT- COLLING SUITE



### Specifications:

#### Performance:

Heat Removal Rate: 270 watts ( full suit)

Endurance min. 45 min at 35°C (95°F)

Flow rate of 15 ounces per minute

Pump draws 16 Watts (=1.33 Amps @ 12 VDC)

1.6 hours of continuous running time on the rechargeable Li-Ion battery

#### Cooling Unit:

Control: on/off switch.

Variable speed controller optional

Pump: 12V

Cold Source: Water circulation over ice

Power: connected directly to its own 12V Li-Ion power power supply

#### Weights:

Suit: 1.0 Kg

Cooling Unit Dry: 0.5Kg

Ice: 1.2Kg

#### Material:

Garment: Kermel stretch knit fabric, flame retardant

#### Sizing:

Small: 150-175cm, 40-75kg

Medium: 170-185 cm, 70-90 kg

Large: 175-193 cm, 85-110kg

# FRAGMENTATION SHIELD

Art.Nr. 0500500



Construction: 2mm steel in combination with Aramid

Dimensions 770 x 1300 mm, edges shrouds

Thicknes: 6mm

Weight ca. 23 kg

Protection 680m/sec (V50), acc. STANAG 2920 (fragments 1,1g);

all in same size and 2mm steel with Aramid



# EOD GRABBER POLE



A lightweight, easily deployed tool that enables EOD technicians to move items that would otherwise be difficult to reach.

## Standard Features:

- Total deployed length of 90 inches allows significant standoff
- Collapsed length of 54 inches for easy transport
- Weighs just 6.5 lbs.; EOD technicians can easily carry the pole with one hand even while wearing a bomb suit
- Specially designed, protective case fits easily in the trunk of a squad car
- Adjustable quick-pivoting head for easy manipulation
- Non-sparking claws; powder-coated, durable aluminum finish



# DEMOLITION KIT

Art.Nr. 0202100

## Technical features

Blasting Machines KSP 400 KSP 700

Ignition voltage DC 380V DC 700V

Filling time of capacitor up to 6 s.

Capacitor capacity 200mF 50mF

max. no. of activations 120

Battery voltage DC 10V

Type of battery MOTOROLA NTN 5521

min. voltage of battery DC 9,2V

Battery capacity 1,1Ah

Temperature range from -20oC to +70oC

Case ABS plastic

max. net resist. for min. ignition power 1A 300W 600W

max. No EDK for serial net 180 pieces

max. No EDK for parallel net 3 pieces

Connectors are short-circuited until the moment of activating

Controlled activating of EDK

Battery Charger for Blasting Machines

Charging time 60Min

AC input 220V

Dimension 60 x 200 x 85 mm

Weight 1200g

VICTORINOX Swiss Tool

Weight 314g

A Multifunction Pocket Toolkit is made of first class stainless steel. It consists of:

pliers / screwdriver 2, 3, 5 & 7,5mm, / wire cutter for wire up to a hardness of 40

HRC / cap lifter / normal blade / serrated blade / metal file / metal saw / wood saw /

reamer and punch / Philips screwdriver 1+2 / chisel/scrapper / strong crate opener /

wire bender / wire stripper / wire scraper / can opener / 230mm roller / 9 inches

roller / electrical crimper and lanyard hole



# DEMOLITION KIT

Art.Nr. 0202100

Box for Electric Cap

Dimension 40 x 180 x 90 mm

Weight 125 g

Cap Box

Plastic box for 12 cap's

Dimension 20 x 80x 60 mm

Weight 80 g

Digital Galvanometer

Black corduroy box

Weight 285g

Dimension 70x130x35

Resistance 200Ohm - 20MOhm

VDC 200mV - 600V

VAC 200V - 600V

Double Firing Wire

Length 500 m

Resistance 300Ohm + 300Ohm

Cap Crimper

Aluminum/Steel

Protection tube in case unwanted detonating of crimping  
cap

Six-edged shape 5 mm

Weight 510 g

Length 220 mm

Carrying Bag

black Corduroy

Dimension 390 x 250 x 170 mm

Weight 1500 g

# EOD-RESPONSE TOOL KIT R.S.P.

Art.No. 0203400



A kit with all necessary tools for EOD-response operations housed in a rugged box.  
Weight: approx. 45 kg

# SEARCH TOOL SET

Art.Nr. 0201600

Wrench set, hexagonal, imperial  
Wrench set, hexagonal, metric  
Wrench, adjustable, 150 mm  
Wrench, adjustable, 300 mm  
Wrench, strap, 50 - 300 mm dia  
Pliers, adjustable vice grip, 250 mm  
Pliers, combination, 180 mm  
Pliers, long nosed, 200 mm  
Pliers, side cutting, 150 mm  
Pliers, slip joint, 240 mm  
Seizers 150 mm  
Tweezers  
Centre punch  
Releasing fluid  
Lamp 14,4 V  
1/2" socket set 10 - 32 mm  
1/2" socket set 7/16 - 1 1/8"  
Cordless drill 1/2", rechargeable battery (x2),  
battery charger  
Drill bit, HSSE, 5 mm (x2)  
Drill bit, HSSE, 10 mm (x2)  
Drill bit, HSSE, 12 mm (x2)  
Drill bit for wood, 10 mm  
Drill bit for wood, 14 mm  
Drill bit for wood, 20 mm  
Drill bit, masonry, 10 x 400 mm  
Drill bit, masonry, 12 x 400 mm  
Corduroy bag  
Peli lock  
Waterproof carrying case 63 x49 x 35 cm



# SEARCH TOOL SET

Art.Nr. 0201600

## Content

Lather hand gloves

Nylon cord 3 mm/150 m

Insulation tape

Steel measuring tape 3m

Retractable knife + spare blades

Linoleum knife,

Scissors (260 mm)

Pad saw, with various blades

Hacksaw with blades (5 + 5)

Tack extractor

Hammer 500 g

Club hammer 2000 g

Cold chisel, 250 mm

Wrecking bar , 500 mm

Cutter, capacity - 0,9 mm mild steel

Cutter, capacity - 1,2 mm mild steel

Bolt cutter, 600 mm, 8 mm HT steel

Screwdriver, cross head, 60 mm

Screwdriver, cross head, 80 mm

Screwdriver, cross head, 100 mm

Screwdriver, cross head, 150 mm

Screwdriver, cross head, 200 mm

Screwdriver, flat head, 100 mm

Screwdriver, flat head, 150 mm

Screwdriver, flat head, 200 mm

Screwdriver, flat head, 250 mm



# EOD TOOL SET, NON-MAGNETIC

Art.No. 1600100



## Description:

The EOD tool set was designed together with EOD/IED operators. The tools are made from copper and beryllium and, hence, non-magnetic. The set comes in a robust aluminium box including special tools.

Dimensions: 582 x 385 x 277cm – weight 20 kg

Tool Set Content:

1 set of double ended open spanners (12 pieces):

Sizes: 6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19;

20x22; 21x23; 24x27; 25x28; 30x32

1 Set of screwdrivers (7 pieces):

Sizes: 4x100; 6x100; 8x150; 10x200

Phillips type 1x80; 2x100; 3x150

1 Set of drift punches (5 pieces)

Sizes: 2x10; 4x10; 6x12; 8x14

Centre punch 100

## EOD TOOL SET, NON-MAGNETIC

Art.No. 1600100

1 Set of hexagon socket head wrenches (8 pieces):

Sizes: 3; 4; 5; 6; 8;10; 17; 19

2 Chisels, cross cutting of each: 150; 300

2 Chisels, flat of each: 150; 300

1 Scraper, triangular 300

1 Scraper, flat 18 x 300

1 flat spatula 25 x 200

1 knife spatula 50 x 200

1 Pair of scissors 225

1 Long nose pliers 150

1 Flat nosed pliers 155

1 Round nosed pliers 150

1 Pincers 180

1 Side cutting pliers 165

1 Pliers, combination 200

1 Lineman's side cutting pliers 210

1 Pliers, slip joint 250

1 Tinner's snip plate shear 275

1 Pliers, pipe adjustable 64 x 355

1 Hammer 500g

1 Hammer, sledge 1500g

1 Wire brush (2 rows)

1 "C"-clamp 90

1 Hook wrench, adjustable 32 - 75

1 Handle, offset grip 260

1 socket for handle offset grip 10

1 angle tracing point 300 x 100

1 Marking tool 200

## Basic tool set

### Item Description Qty

- |  |  |
|--|--|
| 1 Pliers – Vicegrip, Curved jaw 1                  | 31 Pliers – Long nose Wiring Type Cutter 1 |
| 2 Pliers – Needle Nose 1                           | 32 Pliers – Side Cutter 115 1              |
| 3 Measuring Tape, 3 m 1                            | 33 Pliers – Diagonal Cutter 160 1          |
| 4 Tweezers – Plastic 1                             | 34 Pliers Needle Nose – Large 160 1        |
| 5 Metal Tweezers – Set 4 pcs 1                     | 35 Pliers Needle Nose – Small 115 1        |
| 6 Mirror dental 1                                  | 36 Pliers – Slip Joint 1                   |
| 7 Inspection Mirror 30 mm Dia 1                    | 37 Telescopic Magnet 1                     |
| 8 Telescopic Mirror 60 mm Dia 1                    | 38 Cable ties – Plastic, 2 sizes 10        |
| 9 Probe Metal – set 3 pcs 1                        | 39 Safety-pin – Big Head 20                |
| 10 Mini Maglite AA 1                               | 40 Black Storage Case 1                    |
| 11 Maglite Fiber Optic Wand 1                      |  |
| 12 Doorstop – plastic 2                            |  |
| 13 Scalpel with Spare Blades 1                     |  |
| 14 LED Headlamp 1                                  |  |
| 15 Universal Clamping Pliers 1                     |  |
| 16 Clamp – Self Locking, Plastic 2                 |  |
| 17 Line - Lo-stretch, 1,7 mm /<br>50 m , 130 daN 1 |  |
| 18 Reel for Line 1                                 |  |
| 19 Simple Hook 2                                   |  |
| 20 Screwdriver Set – Jewellers 1                   |  |
| 21 Wrench Adjustable 150 1                         |  |
| 22 Wrench Adjustable 200 1                         |  |
| 23 Scissors 1                                      |  |
| 24 Wood Chisel – 20 x 200 1                        |  |
| 25 Seizers 150 1                                   |  |
| 26 Seizers 1520 1                                  |  |
| 27 Locksmiths' Hammers LSI super – 200 g 1         |  |
| 28 Wire Strippers / Cutters 1                      |  |
| 29 Driver Bit Combo – complete 1                   |  |
| 30 Screwdriver Set – 5 pcs 1                       |  |

## Item Description Qty

- 1 Socket set and bits 1
- 2 Hexagon spanner set metric 1
- 3 Hexagon spanner set imperial 1
- 4 Spanner set metric 1
- 5 Spanner set imperial 1
- 6 Vehicle door trim/panel removing tool 1
- 7 Pliers, combination, 180mm 1
- 8 Insulated telescopic search mirror pole 63cm 1
- 9 65mm mirror to fit telescopic pole 1
- 10 Dental mirror 22mm 1
- 11 Adjustable spanner 300mm 1
- 12 Wrenching bar 340 x 45mm 1
- 13 Safety torch, D zone, 2 x D cell (Maglite 2D) 1
- 14 Screwdriver, flat head, 259mm x 5,5mm 1
- 15 Screwdriver, flat head, 250mm x 8mm 1
- 16 Tool carrying case 1



# EOD TOOL SET ASW-1

Art.Nr. 0500100

## Technical Specification

The EOD tool set was designed together with EOD/IED operators.

The tools are made from copper and beryllium and, hence, non-magnetic. The set comes in a robust aluminium box including special tools.

Dimensions: 582 x 385 x 277cm

Weight 20 kg

## Tool Set Content

### 1 set of double ended open spanners (12 pieces)

Sizes: 6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19; 20x22; 21x23; 24x27; 25x28; 30x32

### 1 Set of screwdrivers (7 pieces)

Sizes: 4x100; 6x100; 8x150; 10x200 / Phillips type 1x80; 2x100; 3x150

### 1 Set of drift punches (5 pieces)

Sizes: 2x10; 4x10; 6x12; 8x14 / Centre punch 100

### 1 Set of hexagon socket head wrenches (8 pieces):

Sizes: 3; 4; 5; 6; 8; 10; 17; 19

### 2 Chisels

cross cutting of each: 150; 300

2 Chisels, flat of each: 150; 300

1 Scraper, triangular 300

1 Scraper, flat 18 x 300

1 flat spatula 25 x 200

1 knife spatula 50 x 200

1 Pair of scissors 225

1 Long nose pliers 150

1 Flat nosed pliers 155

1 Round nosed pliers 150



1 Pincers 180

1 Side cutting pliers 165

1 Pliers, combination 200

1 Lineman's side cutting pliers 210

1 Pliers, slip joint 250

1 Tinner's snip plate shear 275

1 Pliers, pipe adjustable 64 x 355

1 Hammer 500g

1 Hammer, sledge 1500g

1 Wire brush (2 rows)

1 "C"-clamp 90

1 Hook wrench, adjustable 32 - 75

1 Handle, offset grip 260

1 socket for handle offset grip 10

1 angle tracing point 300 x 100

1 Marking tool 200

Customer specific changes are possible

## EOD EMERGENCY KIT

Art.Nr. 0200900



A hook and line kit designed for initial emergency operations by Special Forces. The kit comes in a rigid rucksack made of corduroy.

# MIRROR SEARCH KIT

Art.No. 0202900

340 x 280 cm flat acrylic mirror

Light weight telescopic pole up to 140 cm extended

12V 8 W fluorescent tube

12V 2Ah Accu

Weight 4,200 kg

40 mm diameter plano screw fitting mirror

65 mm diameter plano screw fitting mirror

100 mm diameter plano screw fitting mirror

140 mm diameter plano screw fitting mirror

65 x 120 mm plano screw fitting mirror

3m telescope illuminated

mirrors exchangeable



## Technical Specification

The two section telescopic legs can be locked to any one of four heights enabling it to be used in areas of restricted height or on sloping ground. The head is fitted with leg stops that prevent the tripod from collapsing under load, as well as eyes and a karabiner for attaching lifting tackle and for tethering. The self-levelling feet may be pegged to the ground for extra stability. The tripod is supplied with a set of anchoring pegs in a reinforced canvas carrying case.

Overall height with max. extension 2.770 mm

Working height with max. extension 2.300 mm

Pitch circle diameter with max. extension 2.200 mm

Overall height with min. extension 1.500 mm

Working height with min. extension 1.250 mm

Pitch circle diameter with min. extension: 1.300 mm

Load capacity with feed anchored 800 kg

Foot diameter 120 mm

Min. overall length for storage 1.550 mm

Weight 35 kg

Supplied with three carabiner (max. load 2.600 kg), one single and one double pulley, 15m rope (max. load

5.000 kg), six steel anchor pegs, length 400 mm, diameter 14 mm and hammer (2 kg) in a separate cordura bag.

The reinforced semi-rigid carrying case, overall dimensions: 1.700 mm x 230 mm x 230 mm.

**\*\*Available at various load capacity \*\***







# HOOK & LINE KIT 2

Art.Nr. 0200200

## Technical specifications

### 2 Reels

- Durchmesser 280mm

### Main Line 5mm fitted with Snap Hook

- Diameter 5mm
- Length 120m

### 2 Rope Pulling Handles

- Material: Aluminium
- Weight: normal / small 70g / 52g
- Size: normal / small 189 x 17 mm / 95 x 17mm

### 4 Snatch Blocks / Pulleys

- L x W x D 77 x 45 x 30 mm
- Sheave diameter 30mm
- Line diameter up to 13mm

### 12 Hooks Weight Qty

Small single plain 36g 2

Medium single plain 43g 2

Medium double plain 55g 2

Large single plain 73g 2

Medium double barbed tang 55g 2

Triple barb 2

### 5 Eyes

- Diameter 25mm
- Weight 45g

### 6 Rope Slings Length Qty

Rope sling 3mm 2m 2

Rope sling 4mm 2m 2

Rope sling 5mm 2m 2

### 6 Wire Sling Length Qty

Drahtschlinge 1,5mm 2m 2

Drahtschlinge 2mm 2m 2

Drahtschlinge 3mm 2m 2

### 9 Pitons Weight Qty

big 66g 3

medium 62g 3

small 57g 3

### 3 Suction Pads

Weight Qty

Single 330g 2

Double 581g 1

### 4 Aluminium Screwgate Karabiners

- Weight 100g
- Opening 25mm
- Breaking load 25kN

### 8 Schock Chords Length Qty

Schock Chord 10mm 1m 2

Schock Chord 10mm 2m 2

### 2 Cantilever Clamps

- Length 220mm
- Maximum jaw opening 50mm
- Weight 770g
- Maximum working load 50kg

### 2 Self Locking Forcepses

- Length 175mm
- Jaw length 35mm
- Elongation up to 200% under tension

### 2 Self Locking Mole Grips with Eye

- Eye diameter 25mm

Plastic Case wit Foam Cutout

Kit 2 weight: 12,6 kg



# HOOK & LINE KIT 3

Art.Nr. 0200300

## Technical specifications

A heavy-duty kit for moving vehicles or heavy suspect devices.

The kit contains a range of rated slings and heavy-duty snatch blocks. It comes with a solid carrying case and a 150 m rope on a reel.

150 m reel, with 8 mm line, 4500 kg strength, low stretch 1

Webbing sling, 2 m lg, eyes each end, rated 2000 kg 2

Webbing sling, 6 m lg, eyes each end, rated 2000 kg 2

Round sling, 1m diameter, rated 1000 kg 2

Round sling, 2m diameter, rated 1000 kg 2

Round sling, 4m diameter, rated 1000 kg 2

Ground anchor 300 mm 2

Ground anchor 500 mm 2

Ground anchor 900 mm 2

D shaped shackle, 32 mm x 64 mm, max load 4000 kg 2

D shaped shackle, 24 mm x 48 mm, max load 3000 kg 4

Block with safety latch, 3000 kg rating 4

Hook with eye, 120 wide mouth 2

Solid case, watertight, unbreakable, MIL-STD 4150-J 1



# HOOK & LINE KIT 4

Art.Nr. 0200400

A kit with tools specifically designed for use in buildings.  
A single reel is included, and the kit comes complete in a canvas carrying case, including a 3m telescopic pole.

## Inhalt

Reel 280 mm with 2  
100 m rope 6 mm, fitted with snap hook 1  
100 m rope 5 mm, fitted with snap hook 1  
pulling handle for rope small 1  
pulling handle for rope 1  
snatch blok 2  
hook, small single plain 1  
hook, medium single plain 1  
hook, medium double plain 2  
hook, large single plain 1  
25 mm eye 2  
rope sling, 3 mm dia x 2 m long 2  
rope sling, 4 mm dia x 2 m long 2  
rope sling, 5 mm dia x 2 m long 2  
wire sling, 1,5 mm dia x 2 m long 1  
wire sling, 2 mm dia x 2 m long 1  
wire sling, 3 mm dia x 2 m long 1  
piton, large spear point 1  
piton, small chisel point 1  
piton, large chisel point 1  
Anchor for 8 mm hole 2  
double suction pad 1  
cantilever clamp 2  
light weight spring grip 2  
self locking forceps 1  
self locking „mole grip“ with 25 mm eye 1  
screw eye self tap 6  
screw eye self tap 6  
adjustable clamp system 1  
karabiner (Alloy) 23 mm screwgate 22kN 2  
karabiner (Alloy) 23 mm quoterturngate 22kN 2  
shackle D shape 13 mm gate 1



Bow Shackle 13 mm 1  
Long Shackle D shape 13 mm gate 1  
Twisted Shackle D shape 13 mm gate 1  
Carabiner 8 mm Gate 1

## Inhalt

Carabiner 7 mm Screwate 12mm 1  
Carabiner 12 mm Gate 1  
Carabiner 12 mm Screwate 12mm 1  
multifunction pocket tool kit 1  
Extension Rod steiness steel 400 mm 1  
Extension Rod steiness steel 800 mm 1  
line branch 1  
telescopic pole 1  
hook, 25 mm widw mouth and spring loaded gate 1  
hook, 50 mm widw mouth and spring loaded gate 1  
Holder for Hooks 1  
triple hook 2  
Hook mount for telescopic pole 1  
security mirror 1  
belt sling 1  
pulley with jammer cleat 1  
self relieving snatch block 4  
splitter Ball 2  
self adhesive pad anchor 10  
doorway anchor 700-1100 mm with eyes 2  
sledge 1  
doorstop 4  
Plastic case with foam cutout 1  
Bag for Reels with Main Rope's 1

# HOOK AND LINE KIT

## Technical Specification

2 Reels-diameter 280 mm

2 Lines fitted with Snap Hook-diameter 5mm 100m / diameter 6mm 100m

### 2 Rope Pulling Handles

materialaluminium

weightnormal 70g / small 52g

size -normal 1189 x 17 mm / small 95 x 17 mm

### 2 Snatch Blocks / Pulleys

L x W x D -77 x 45 x 30 mm

sheave diameter -30mm

line diameterup to 13mm

### 10 Hooks

1 small single plain 36g

1 medium single plain 43g

2 medium double plain 55g

2 large single plain 73g

1 25mm mouth and spring loaded gate 75g

1 50mm mouth and spring loaded gate 110g

1 triple barb hook 13g

1 small triple barb hook 10g

### Hook Accessories

holderfor hooks 20g

hook mount for telescopic pole 20g

### 2 Eyes

diameter 25mm

weight 45g

### 6 Rope Slings

2 rope slings 3mm 2m

2 rope slings 4mm 2m

2 rope slings 5mm 2m

### 3 Wire Slings

rope sling 1,5mm 2m

rope sling 2mm 2m

rope sling 3mm 2m



### 3 Pitons

large spear point 66g

medium chisel point 62g

small 57g

### 2 Anchors for 8mm Hole

#### Suction Pad

double 581g

### 2 Cantilever Clamps

Length 220mm

Maximum jaw opening 50mm

Weight 770g

Maximum working load 50kg



# HOOK AND LINE KIT

## 2 Lightweight Spring Grips

Max jaw opening	35mm
Grip length	13cm
Weight	80g
Wire cable length	40cm



## Self Locking Forceps

Length	175mm
Jaw length	35mm
Elongation	up to 200% under tension

## Self Locking Mole Grip with Eye

Eye diameter	25mm
--------------	------

## 12 Self Tap Screw Eyes

5 x 30 mm (6x)	17g
4 x 30 mm (6x)	8g



## Adjustable Clamp System

### 9 Karabiners

gate 8mm (1x)	35kN
screwgate 7mm (1x)	
gate 12mm (1x)	60kN
screwgate 12mm (1x)	
aluminium screwgate 19mm (2x)	20kN
aluminium screwgate 23mm (2x)	22kN
aluminium quarter turngate 23mm (1x)	22kN



### 4 Shackles

D shape	13mm
Bow	13mm
Long	13mm
Twisted	13mm

## Multifunction Pocket Toolkit



## 2 Stainless Steel Extension Rods

normal	400mm
long	800mm



# HOOK AND LINE KIT

Belt Sling  
weight

175g



Jammer Cleat Pulley

L x W x D

95 x 60 x 33 mm

sheave diameter

30mm

weight

165g

maximum load in lock

60kg

maximum load

1350kg



4 Self-Relieving Snatch Blocks

L x W x D

140 x 45 x 30 mm

sheave diameter

30mm

weight

220g

line diameter

4-6kg

maximum load

300kg



2 Splitter Balls for Self-Relieving Snatch Block

diameter

80mm

weight

30g

maximum load

up to 25kg



10 SelfAdhesive Anchor Pads

4 Doorstops



Doorway Anchor 70-110cm with Eyes Plastic Case with Foam Cutout

Sledge

Bag for Reels with Main Rope

Telescopic Pole

Line Branch

Security Mirror



Kit weight : 23 kg

# DEFUSING DEVICE ZG-1

Art.Nr. 0500300

EOD/IED defusing device to screw off right- or left threaded fuses, of confirm or cylindrical type, from explosive devices.

## Technical Specification

The defusing device permits to screw off fuses from explosive devices at a safe distance. It is utilized by armed forces primarily to render defusing of unexploded bombs, grenades and others. Police specialists can use the defusing device for defusing homemade explosive devices such as fire extinguishers or household gas cylinders, filled with explosives, provided their fuses are of a screw-in type. To do so, the ZA-1 is firmly attached to the fuse by means of jaw clamps and it set to into rotation by two electrically ignited propulsive charges. The ZG-1 was specially designed for bomb handlers

## Content

- 1 steel frame
- 2 clamping jaws
- 2 barrels with one nozzle and one cover each, for fixation of the propulsive charge within the barrel
- 2 fixed jaw clamps for cylindrical detonators
- 2 movable jaw clamps for conical detonators
- 1 roll of (200m) thin lead ignition cable
- 1 roll (20m) nylon rope, necessary accessories
- special oil
- 40 electrically ignitable propulsive charges
- Caliber .50 12,7
- Measures 630 x 440 x 170mm (LxWxH)
- Weight 18,8 kg



# SPECIAL HOOK & LINE KIT IN A BACKPACK

Art.Nr. 0200500

A hook and line kit designed for special forces.

The kit comes in a rigid rucksack including the following items:

## Description Qty

- 1 Main Line - 100 m 4 mm 1
- 2 Reel 180 mm for main line 1
- 3 Secondary line 5mm 5 m 1
- 4 Hook, small single plain 1
- 5 Hook, medium single plain 1
- 6 Hook, medium double plain 2
- 7 Hook, large single plain 1
- 8 25 mm eye 4
- 9 O ring for pad anchor and hooks 6
- 10 light weight spring grip - small 1
- 11 light weight spring grip 1
- 11 self locking „mole grip“ with 25 mm eye 1
- 12 self adhesive pad anchor 14
- 13 Suction anchor, single pad 2
- 14 Shock cord 10 mm, 1m with steel hook 1
- 15 Shock cord 10 mm, 2m with hook 1
- 16 self locking forceps 1
- 17 Rope sling, 3 mm dia x 2 m long 2
- 18 Rope sling, 4 mm dia x 2 m long 2
- 19 Rope sling, 5 mm dia x 2 m long 2
- 20 Wire sling, 1,5 mm dia x 2 m long
- 21 Wire sling, 2 mm dia x 2 m long 1
- 22 Wire sling, 3 mm dia x 2 m long 1
- 23 Shackle D shape 13 mm gate 1
- 24 Bow shackle 13 mm 1
- 25 Long shackle D shape 13 mm gate 1
- 26 Twisted shackle D shape 13 mm gate 1
- 27 Karabiner 11 mm gate 2
- 28 Karabiner 11 mm screwgate 12mm 2
- 30 Piton, large chisel point 2

# SPECIAL HOOK & LINE KIT IN A BACKPACK

Art.Nr. 0200500

- 29 Anchor for 8 mm hole 2
- 30 Piton, large chisel point 2
- 31 Karabiner (Alloy) 18 mm screwgate 25kN 3
- 32 Karabiner (Alloy) 20 mm screwgate 25kN 2
- 33 Karabiner (Alloy) 23 mm quarterturngate 24kN 1
- 34 Cantilever clamp 1
- 35 D-Clamp with 25 mm eye 1
- 36 Stoppers wire sling 2
- 37 Stoppers rope sling 3
- 38 Screw eye self tap 10
- 39 Doorstop 4
- 40 Extension rod stainless steel 400 mm 4
- 41 Telescopic arm 1
- 42 Hook, 25 mm with mouth and spring loaded gate 1
- 43 Hook, 50 mm with mouth and spring loaded gate 1
- 44 Holder for hooks 1
- 45 Triple barb hook 2
- 46 Hook mount for telescopic pole 1
- 47 Pulley with jammer cleat 1
- 48 self relieving snatch block 2
- 49 Splitter ball 2
- 50 Snatch block 1
- 51 Tactical search mirror 1
- 52 Mirror 140 mm 1
- 53 Manual entry kit 1
- 54 Multifunction pocket tool kit 1
- 55 LED head AA cell torch 1
- 56 Backpack 1

# BOMB TRANSPORTATION BASKET

Art.Nr. 0500600

## Technische Specification

Protection for EOD-personnel against fragments and explosion pressure waves while transporting e.g. Letter bombs or other IEDs (Improvised Explosive Devices)

Material Outer cloth: e.g. Cordura

Ballistic protection: Aramid fabric, several layers Protection in accordance with STANAG 2920 (fragment 1,1g, velocity 450m/sec.

Protection up to 200g TNT

Parts list Tube with several layers of Aramid and Carrying handles

Net insert in centred position

Weight Approx.. 30 kg

Dimension 50 cm diameter, 100 cm height



**BOMB BLANKET 500m/s 150 x 150cm**  
**BOMB BLANKET 610m/s 150 x 150cm**  
**BOMB BLANKET 500m/s 120 x 120cm**  
**BOMB BLANKET 610m/s 120 x 120cm**  
**BOMB BLANKET 610m/s 200 x 150cm**

Art.Nr. 1300100

### Technical Specification

The blanket is designed to protect property & personnel from blast and fragmentation occurring when an IED is set off. It may also be used as a ballistic blanket in certain vehicle applications. The blanket itself is manufactured from a Nylon outer cover, which offers water proof protective layer to the Aramid layers inside.

1. Please seek advice from qualified EOD operators before using this blanket. Each situation will dictate different procedures to be used.
2. Use the blanket as a shield when dealing with any IED. Special carrying straps and handles are designed so that the blanket can be held as a protective cover to shield the operator from any suspicious object.
3. Place the blanket over the object, trying to ensure that the object is as close to the centre of the blanket as possible. Should the situation dictate it the more blankets may be placed on top of the original to offer more protection
4. Await the arrival of EOD operators, once the blanket has been placed in position. Attempts to remove a bomb blanket should only be carried out by trained EOD operators.



### General maintenance

General cleaning of the outside cover should be done with warm soapy water. Most general household washing up liquids will be sufficient for cleaning. Ensure that the cover is fully dried before placing the bomb blanket back in its carrying bag.

Should the outer cover be damaged in any way the bomb blanket will not work effectively & should be either destroyed or returned to the manufacture for recovering and recertification. Under normal operating conditions our blankets will have a shelf life of 5 years. The warranty on the ballistic performance is set by materials within the blanket itself and this is currently 5 years from date of manufacture.

Weight Blanket 12,5kg / Ring 0,75kg

V50 500m/s according to STANAG 2920



# EOD - TRAILER HSI-2

Art.Nr. 0500800

## Technical Specification

Container Steel funnel / Double wall

Gap between walls with spacers

Loading and un-Loading: manually using ropes, from a max. distance of 50m

Trailer Two axles with overrun brakes / Height adjustable towing-bar

Exchangeable for: - ball-shaped coupling

- Tow-ring

Measures Length 4.100mm

Width 2.200mm

Height 1.900mm (with inserted lifting mechanism)

Height 3.100mm (with extended lifting mechanism)

Total weight

1.400kg



## Description

The EOD-Trailer is designed for safe transportation of devices suspected to contain explosive up to 6kg TNT. The construction of the trailer allows the operation also in off-road areas e.g. in combination with a smaller towing vehicle like a jeep. Furthermore it can be used with a larger towing vehicle e.g. a truck.

The EOD trailer consists of a solid steel frame installed on two spring-mounted axles.

The frame carries a funnel-shaped container.

A lifting mechanism ("gallows") adjustable in height on the right hand side of the container allows loading and unloading of the container from a safe distance (up to 50mtrs.) using a rope.

The exchangeable and height adjustable tow-bar allows the adaptation of the trailer to the towing vehicle which is used. As a standard two types of couplings are available: a towing ring and a ballshaped coupling.

The connector is a 7-pin plug as standard. An adapter 13-pin to 7-pin is included in the delivery.

A lockable metal container for storage and transport is mounted on the trailer to keep the necessary accessories and spare parts.

# ELECTRONIC BLASTING MACHINE

Art.Nr. 0201300

Mechanical	
Size	3"W x 1.5"D x 4"H (7.6cm W x 3.81cm D x 10.13cm H)
Weight	15 oz. (.42kg)
Color	Black
Hardware	HD Black Nylon
Case Features	Waterproof, Impact Resistant, Rugged Compact design, Pushbutton Switch Protectors, Quick Connect Binding Posts, Easy 1 Step Battery Compartment
Power Source	Alkaline Heavy Duty 9V
Operating Temperatures	Operating: -20°F - 140°F Storage: -45°F - 180°F
Electrical	
Output Voltage	450 VDC
Output Energy	5.0 Joules
Firing Capacity	200 Ohms*
Connection	Quick Connect Binding Posts
Ready Indicator	High Intensity LED
Charge/Fire Cycle	3 second

\* Circuit requiring 1.5A and 2mJ/Ohm for initiation



## Firing Capacity:

- 1 Series of 100 2 Ohm Electric Detonators
- 2 Series of 100 2 Ohm Electric Detonators
- 4 Series of 90 2 Ohm Electric Detonators
- 7 Series of 70 2 Ohm Electric Detonators
- 10 Series of 50 2 Ohm Electric Detonators
- 12 Series of 40 2 Ohm Electric Detonators
- 12 Series of 30 2 Ohm Electric Detonators

Mechanical	
Size	3"W x 2"D x 9"H (7.6cm W x 5.8cm D x 22.8cm H)
Weight	36 oz. (1.02kg)
Color	Yellow
Hardware	SS 'D' Rings, Kydex, Neck Strap
Case Features	Waterproof Electronics, Impact Resistant, Rugged design, Quick Connect Binding Posts (not pictured)
Power Source	4 - "D" Cell Batteries
Operating Temperatures	Operating: -20°F - 140°F Storage: -45°F - 180°F
Electrical	
Output Voltage	445 VDC
Output Energy	35.0 Joules
Firing Capacity	See Below
Connection	Quick Connect Binding Posts
Ready Indicator	HV Neon
Charge/Fire Cycle	10-12 seconds

