



CASH Magnum .22 & .25 Euro Stunner

Product Data Sheet

- ▶ Key Features
- ▶ Product Diagram
- ▶ Safe Operating Instructions
- ▶ Cleaning and Maintenance
- ▶ Trouble Shooting and Servicing
- ▶ Parts List



**DO NOT ATTEMPT TO USE THIS STUNNING TOOL UNTIL YOU
HAVE READ AND UNDERSTOOD THESE INSTRUCTIONS**

Manufactured by Accles & Shelvoke Ltd

Selco Way, Off First Avenue, Minworth Industrial Estate, Sutton Coldfield, West Midlands, B76 1BA ENGLAND

Tel: +44 (0) 121 313 4567 **Fax:** +44 (0) 121 313 4569 **Web:** www.acclesandshelvoke.co.uk

Key Features

CASH Magnum Stunner

The CASH Magnum is a cylindrical trigger stunner designed for larger animals available in .22 or .25 calibre.

PRODUCT CODE	CASH Magnum Stunner .22 5652R CASH Magnum .25 Euro Stunner 5660
CALIBRE	.22 .25
USE ON	Cattle 
POWERLOADS	<p>Use in .22 CASH Magnum:</p> <p>CASH .22 GREEN 3 Grain for smaller cattle CASH .22 RED 4 Grain for heavy cattle and bulls CASH .22 BLACK 4.5 Grain for very heavy cattle and bulls only</p>
	<p>Use in CASH Magnum .25 Euro Stunner:</p> <p>CASH .25 BLACK 4 Grain for heavy cattle CASH .25 GREEN 4 Grain for heavy cattle and bulls</p>

The CASH Magnum stunner is part of the CASH range of stunner manufactured by Accles & Shelvoke.

CASH stunners are in use all over the world for in many varied situations from on-farm casualty slaughter to both small and large meat plants with automated production lines operating as high as 450 cattle per hour. The CASH stunner renders the animal instantly and irreversibly insensible to pain prior to slaughter, eliminating stress and suffering, improving meat quality and throughput, resulting in increased profits.

Renowned for its quality, durability and safety the CASH Magnum stunner is an extremely effective tool with the following features:

- ▶ Ergonomically designed trigger suitable for palm or finger operation
- ▶ Fast operation (very high bolt velocity) makes it ideal for high through put meat plants
- ▶ Range of powerload strength allows use on smaller animals
- ▶ Simple to use and easy to maintain
- ▶ Robust solid construction, safe to operate.
- ▶ Low maintenance costs
- ▶ Available in .22 or .25 calibre

Product Diagram

CASH Magnum Stunner



WARNING

Do not operate without safety glasses and ear protection.



WARNING

Never immerse stunner in water to cool.

Safe Operating Instructions

CASH Magnum Stunner

accles
&SHELVOKE

⚠️WARNING

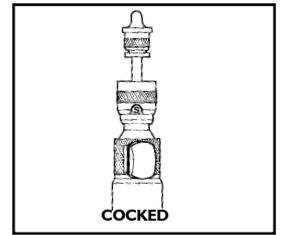
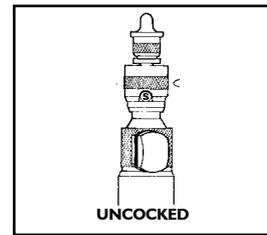
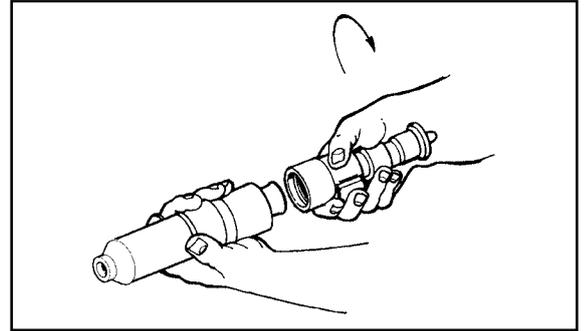
At all times never point muzzle end of barrel towards your body or any other person.

1 UNSCREW CAP

Turn breech cap counter clockwise and pull away. Make sure firing pin and trigger are uncocked. If spent (fired) powerload is in chamber, pull extractor up then push back down. The partially lifted case can then be removed using the finger and thumb (see extraction).

⚠️WARNING

If in any doubt whether or not powerload has been fired, treat as a live powerload (see "removal of unfired powerload") If misfire has occurred, see "safe misfire removal".



2 LOADING

Before inserting powerload into chamber of breech, make sure bolt is fully retracted as shown. If not, does not use as stunning power will be reduced. (See cleaning daily to rectify).

⚠️WARNING

Only use the correct grade of CASH powerload bearing the "AS" of "E" headmark.

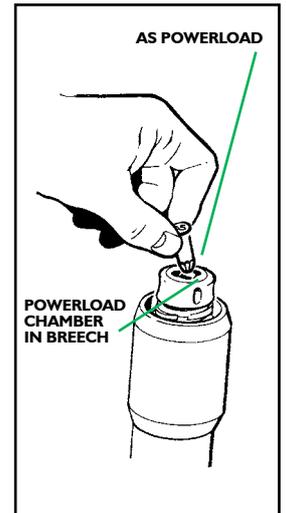
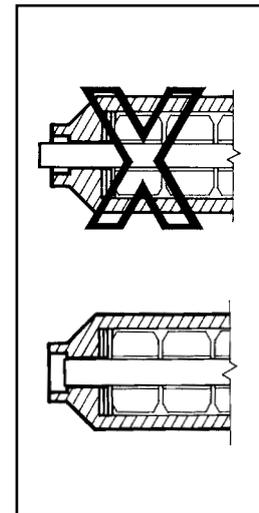
PLEASE REFER TO POWERLOAD SELECTION TABLE SHOWN ON PAGE 1

It is a condition of Accles & Shelvoke's product liability insurance, that only CASH powerloads in CASH carton and bearing approved headmarks must be used in stunners manufactured by them. It follows therefore, that no liability whatsoever can be accepted for any claim, including injury should any other brand of powerload be used.

⚠️WARNING

Where powerloads other than these are used, Accles & Shelvoke will not be responsible for:

1. The safety of the operator.
2. The humaneness of the stun.
3. The correct operation of the stunner.
4. The premature failure of parts.



⚠️WARNING

Powerloads must be stored in cool, dry conditions. Exposure to excessive amounts of moisture may affect their performance.

3 REPLACE BREECH CAP

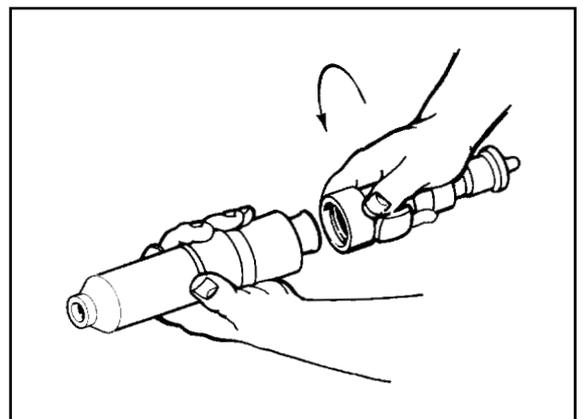
⚠️WARNING

Make sure that the firing pin is in the down (uncocked) position (see 1. "Unscrew Cap").

Holding stunner and breech cap as shown with the muzzle end pointing in a safe direction turn breech cap clockwise until it is tightly seated in rubber locking collar.

⚠️WARNING

If breech cap is not tightly seated, misfires may occur.

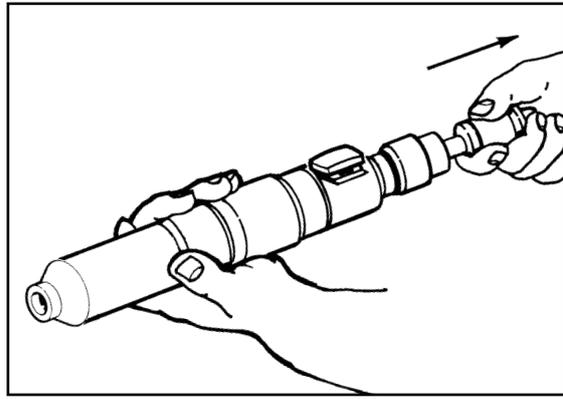


4 MAKING READY FOR FIRING

Immediately before firing, pull back firing pin pull until you feel and hear firing pin snap into the cocked position.

⚠️ WARNING

When the Magnum Stunner is in the cocked position, it is ready to fire and will fire if dropped or mishandled. Treat this stunner as you would any firearm. Keep fingers or palm pressure off trigger until immediately before firing.

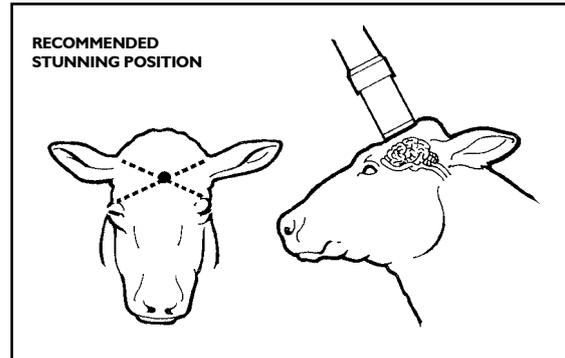


5 FIRE

⚠️ WARNING

Never leave a loaded stunner unattended (see removal of unfired powerload).

Place muzzle end of barrel firmly on animal's head in the recommended position shown opposite. Press trigger to fire - the action of positioning should be smooth, fluid and accurate with firing immediate with the minimum delay. Do not attempt to fire whilst the animal is moving its head.

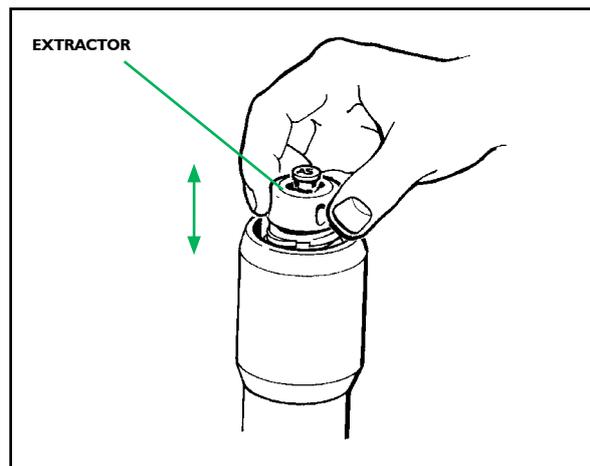


6 EXTRACTION

Turn breech cap counter clockwise and pull away (see 1). Pull extractor up and then push back down. The partially lifted spent case can then be removed using finger and thumb.

REMOVAL OF UNFIRED POWERLOAD

It is sometimes necessary to remove an unfired powerload (live) from the chamber at the end of a shift or if the magnum is to be left unattended. Follow instruction as per 'extraction' above, but taking great care to handle powerload gently and to return it to its container.



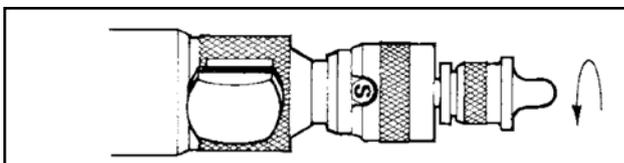
⚠️ WARNING

If unfired powerload is stuck in chamber or extractor fails to operate, do not attempt to remove using a knife or similar tool - return stunner with breech cap separate to maintenance department, warning them that an unfired (live) powerload is stuck in the chamber.

⚠️ WARNING

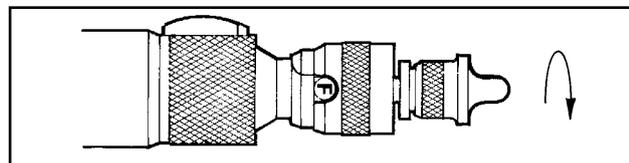
SAFE MISFIRE REMOVAL. If stunner fails to fire, a delayed firing may occur during or after extraction. Keep muzzle end of stunner away from your body or any other person. Wait 30 seconds, unload carefully avoiding exposure to breech and dispose of load in metal container filled with water. Do not attempt to re-use misfired load. Powerloads fire by crushing head, so do not crush, prise or strike or use excessive force. Always wear safety glasses and ear protection.

OPTIONAL ON/OFF SAFETY This additional safety feature can be fitted in place of the spring cap. Item No 27.



'S' - SAFETY

Turn safety counter clockwise and the 'S' can be seen in the cut-out.



'F' - FIRE

Turn safety clockwise until it stops turning and the 'F' can be seen in the cut-out.

Guidance on daily and weekly cleaning and consumable parts maintenance.

DO NOT ATTEMPT TO USE THIS STUNNER UNTIL YOU HAVE READ AND UNDERSTOOD BOTH OPERATING AND MAINTENANCE INSTRUCTIONS



WARNING For test firing or the removal of unfired powerloads, always wear safety glasses and ear protection. Before ANY action, check to see that powerload has not been left in chamber.

Cleaning - Daily

- (1) Unscrew breech cap from breech and ensure that stunner is not loaded. See 1 "unscrew cap", page 3.
- (2) Unscrew breech anti-clockwise and remove from barrel.
- (3) Withdraw bolt complete with washers and recuperator sleeves from the breech. Note! the stop washers and some recuperator sleeves may have been retained in the barrel - remove.
- (4) Clean inside of barrel and breech including u/cut in breech with a rag soaked in young's 303 fluid and followed with the steel brush end of cleaning tool. Finally, wipe out with clean rag.
- (5) Remove washers and recuperator sleeves from bolt and wire wheel or brush carbon from piston end of bolt - wipe with oily rag when clean. Wipe any sludge from recuperator sleeves and washers and examine for wear.

(A) Stop washer - colour red, item No. 2.

There are three of these washers at the poleaxe (front) end of the bolt, which fit against the front internal end of the barrel. They protect the recuperator sleeves and as soon as they show signs of wear on either the inside or outside diameter, they should be replaced.

(B) Flange washer - colour blue, item No. 7.

This washer is placed behind the last recuperator sleeve against the bolt flange. Again, as soon as this shows signs of wear on the outside edge, it should be replaced.

FAILURE TO REPLACE THESE WASHERS IS THE MAIN CAUSE OF PREMATURE RAPID WEAR ON THE RECUPERATOR SLEEVES.

(C) Recuperator sleeves, item No. 3.

A full set comprises eight sleeves. Number 1 and 8 on the bolt will be the first to show signs of wear. They should be removed into a middle position. Once they become badly worn and start to fray, they should be replaced.

DO NOT NEGLECT THE WASHERS AND SLEEVES, OTHERWISE THE BOLT WILL NOT FULLY RETURN AND STUNNING POWER WILL BE REDUCED.

(D) Lock washer, item No. 21.

Replace if worn, or if barrel unscrews in use. Re-assembly, examine barrel and breech for cracks around threads and replace if found. Wipe all steel parts with oily rag.

Cleaning Tools

ITEM NO.	PART NO.	DESCRIPTION	NO PER SET
1	5644	Cleaner assembly	1
2	5645	Steel cleaner brush	1
3	5646	Brass cleaner brush	1
4	5647	Cleaner handle	1
5	4187	Special CASH Pistol Oil	1
6	4192	"Copaslip" thread grease	1
7	6076	Youngs 303 fluid	1

Please note items 1-4 are included with the Stunner when purchased, items 5-7 are additional extras (last three are all extras on all the stunners)

Cleaning - Weekly

ADDITIONAL CLEANING AND MAINTENANCE FREQUENCY DEPENDING ON USE, BUT MINIMUM WEEKLY.

Remove breech cover and replace if worn or split. Note! if breech cover is ballooned out or if the operator feels a sting on his hand when firing stunner, remove cover and inspect for cracks and replace any cracked parts before further use. Remove extractor for cleaning by depressing extractor plunger and sliding extractor over plunger. The area under the extractor, as well as the breech threads, should be cleaned with brass brush end of cleaning tool.

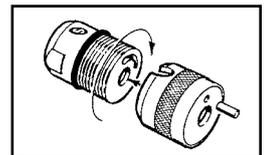
To dis-assemble breech cap for cleaning or part replacement, hold in soft jawed vice and unscrew spring cap or the optional safety, if fitted, using a wrench on the flats. Pull firing pin assy out of breech cap, which will also release trigger and trigger spring. Inspect firing pin for rounded edges from trigger contact and replace if wear is half of trigger contact. Inspect firing pin spring and replace if broken or collapsed. Inspect trigger for firing pin contact wear and replace if rounding is half of firing pin contact. Replace trigger spring if collapsed. Trigger spring must be strong enough to push firing pin away from cartridge and to allow trigger to lift. In order to replace firing pin, firing pin spring or spring cap or optional safety, unscrew pull from pull bush, push pull bush down to release pull split bush, allowing all components to slide off. Rubber pull spring should be replaced if collapsed or damaged. Re-assembly: wipe all steel parts with an oily rag. Use only CASH pistol oil. Do not put oil in powerload chamber, as this can cause misfiring.

TO DIS-ASSEMBLE OPTIONAL SAFETY

Turn clockwise to fire (F) position and drive safety stop pin down through safety cap inner with a pin punch. Then unscrew safety cap outer anti-clockwise to remove. Clean with Young's 303 fluid and brass brush end of cleaning tool. Inspect for cracks or stripped threads and replace if found. Replace safety 'O' ring if broken or frayed.

RE-ASSEMBLY OF OPTIONAL SAFETY

Lightly oil or grease threads with Copaslip. Align the small dimple on the end face of the safety cap inner with the cut out in the lower edge of the safety cap outer - this will ensure that the 3 start thread commences location in the correct position, so that when screwed together clockwise, the cut out on safety cap outer aligns precisely with the 'F' fire mark on the inner cap, which should be fully visible. Insert safety stop pin and drive flush with top of safety cap outer (if pin is driven too far, the assembly will not turn). Re-assemble on firing pin assembly and screw down tight on breech cap, using wrench on flats of inner safety. If outer safety cap is used to screw or unscrew safety from breech cap, you will break the safety stop pin.



Trouble Shooting and Servicing

CASH Magnum Stunner

EXTRACTION OF STUCK, UNFIRED OR MISFIRED POWERLOAD

WARNING

Great care must be taken in removing unfired or misfired powerloads stuck in the chamber.

Follow instructions set out below:

- (1) Unscrew cap (Refer to 1. Remove Cap instructions on page 3)
- (2) Unscrew barrel from breech and remove bolt.
- (3) Grip breech in soft jawed vice and gently push powerload out using a $\frac{3}{16}$ " rod (4.7mm) through the chamber.

WARNING

Always wear safety glasses and ear protection for this operation.

MISFIRES CAN BE CAUSED BY:

- (1) Water or oil contaminated powerloads.
- (2) Weak or broken firing pin spring.
- (3) Worn, damaged or bent firing pin.
- (4) Breech cap not screwed down onto breech.
- (5) Breech cap assembly and/or breech locking cover required cleaning.
- (6) Spring cap or optional safety not screwed down onto breech cap.
- (7) Oil in powerload chamber.

BOLT STICKING IN ANIMAL'S HEAD AND/OR STUNNER POWER LOSS

- (1) Ensure that the stunner is being used with correct powerload for type and weight of animal to be stunned.
- (2) Bolt not fully retaining (refer to 2 Loading page 4) – stunner needs cleaning, including "U" cut.
- (3) Recuperator sleeves and / or washers require replacement.
- (4) Bolt bent or re-sharpened by grinding outside diameter.

If in doubt and you require further advice and information please contact Accles & Shelvoke direct or you're local Distributor.

Accles & Shelvoke Ltd, Selco Way, Off First Avenue, Minworth Industrial Estate, Sutton Coldfield, West Midlands, B76 1BA ENGLAND

Tel: +44 (0) 121 313 4567 Fax: +44 (0) 121 313 4569

Servicing

Accles & Shelvoke provide a comprehensive service and repair facility where customers can have their CASH stunner serviced by our highly trained engineers:

- ▶ The service involves the tool being stripped, cleaned and re-assembled bringing the stunner back to working order.
- ▶ Service and repair facility is generally open to UK customers, overseas customers are advised to contact their local distributor.
- ▶ Customers are advised to contact Accles & Shelvoke direct on + 44 (0) 121 313 4567 to make arrangements to return the tool for service or repair.
- ▶ Quotation will be provided on inspection of the tool, listing service charges and replacement parts required.



CASH Magnum .22 Stunner

ITEM NO.	PART NO.	DESCRIPTION	NO. PER SET
1	5723	Barrel	1
2	5369	Stop washer	3
3	5376	Recuperator sleeve	8
4	5684	Bolt	1
5	5724R	Breech .22 caliber	1
6	5725	Breech cap .22 caliber	1
7	5403	Flange washer	1
8	5627	Small O ring	1
9	5628	Trigger spring	1
10	5697	Firing pin spring	1
11	5702	Pull	1
12	5693	Safety cap inner	1
13	5695	Safety O ring	1
14	5692	Safety outer cap	1
15	3036	Safety stop pin	1
15a	5691	Complete safety assembly	1
16	5698	Firing pin	1
17	5689	Trigger	1
18	5636	Extractor plunger	1
19	5637	Plunger spring	1
20	5651R	Extractor .22 caliber	1
21	5639	Lock washer	1
22	5640	Pull bush	1
23	5641	Pull split bush (pair)	1
24	5642	Pull lock 'O' ring	1
25	5710	Pull spring	1
26	5664	Breech locking cover	1
27	5696	Spring cap	1
28	5732R	Breech assembly No.5, No. 18, No.19, No.20	1

NOTE!

Item 15a Complete safety assembly is an optional extra.
The tool as standard is fitted with the Spring Cap item 27.

CASH Magnum .25 Euro Stunner

ITEM NO.	PART NO.	DESCRIPTION	NO. PER SET
1	5723	Barrel	1
2	5369	Stop washer	3
3	5376	Recuperator sleeve	8
4	5684	Bolt	1
5	5734R	Breech .25 caliber	1
6	5707	Breech cap .25 caliber	1
7	5403	Flange washer	1
8	5627	Small O ring	1
9	5628	Trigger spring	1
10	5697	Firing pin spring	1
11	5702	Pull	1
12	5693	Safety cap inner	1
13	5695	Safety O ring	1
14	5692	Safety outer cap	1
15	3036	Safety stop pin	1
15a	5691	Complete safety assembly	1
16	5690	Firing pin	1
17	5689	Trigger	1
18	5636	Extractor plunger	1
19	5637	Plunger spring	1
20	5638R	Extractor .25 caliber	1
21	5639	Lock washer	1
22	5640	Pull bush	1
23	5641	Pull split bush (pair)	1
24	5642	Pull lock 'O' ring	1
25	5710	Pull spring	1
26	5664	Breech locking cover	1
27	5696	Spring cap	1

NOTE!

Item 15a Complete safety assembly is an optional extra.
The tool as standard is fitted with the Spring Cap item 27.

