



Captive Bolt Euthanasia

True Stunning Technology

Our devices produce a stun in < 5 milliseconds. The central nervous system requires 150 milliseconds to respond to a stimulus; therefore with true stunning technology, the animal is immediately unconscious and insensible to pain!

Captive Bolt Devices

The modern captive bolt device and a conventional automobile engine have a similar means of transferring potential energy: the piston. The piston is connected to the bolt. The piston-bolt assembly is held "captive" in the cylinder and cycles from one end of the cylinder to the other with each firing (1-2-3).

The kinetic energy is carried by the moving piston-bolt assembly and transferred to the animal by contact with the bolt. The energy impulse from the exposed bolt causes an *instant-irreversible stun!*

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**BRINGING HI-TECH
TO THE FARM GATE**

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INDUSTRIES
ANIMAL WELFARE DIVISION

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ANIMAL WELFARE DIVISION

▶ **Nonpenetrating
Captive Bolt Devices** ▶

**Euthanasia and Mass Depopulation
of smaller livestock on the farm**

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Our Company

Bock Industries designs and manufactures captive bolt tools for euthanasia and mass depopulation of livestock on the farm.

Our Motivation

Quality euthanasia and humane slaughter represent important aspects of animal welfare. Our captive bolt technology helps large and small agricultural producers achieve their respective animal welfare goals by delivering scientifically tested products that support:

- ▶ AVMA Guidelines on the Euthanasia of Animals
- ▶ Animal welfare audit programs
- ▶ The market requirements of retailers worldwide

Our Design Priorities

- ▶ Preserving human safety
- ▶ Supporting humane animal euthanasia
- ▶ Developing novel tools based on science

Euthanasia

The term *euthanasia* is derived from the Greek terms *eu*, meaning *good*, and *thanatos*, meaning *death*. A "good death" would be one that occurs with minimal pain and distress.

Animal Euthanasia

Animal euthanasia is the act of inducing humane death in animals; no pain is felt.



Classification:

Nonpenetrating Captive Bolt
Cordless Device

Power Source:

Mini-propane Canister (On-board)

Primary Application:

Euthanasia
Mass Depopulation

Key Features:

Operator Safety
Instant Irreversible-insensibility

Subjects:

Turkeys, Broilers, Layers, "Bobby" Goats



Classification:

Nonpenetrating Captive Bolt
Hose-connected Device

Power Source:

Compressed Air or CO₂ (120 psi)

Primary Application:

Euthanasia
Boutique Slaughter & Processing Backup

Key Features:

Operator Safety
Instant Irreversible-insensibility

Subjects:

Turkeys, Broilers, Layers, Piglets, Rabbits

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