

## Captive Bolt Dispatch

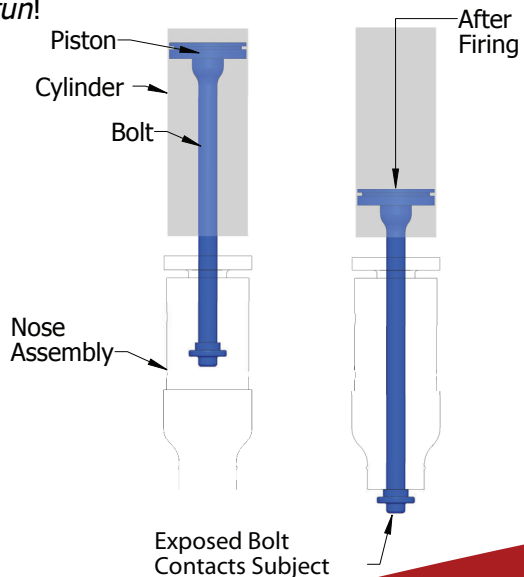
### True Stunning Technology

Our tools 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 feels no pain!

### Captive Bolt Tools

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.

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



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**BOCK**  
**INDUSTRIES**  
ANIMAL WELFARE DIVISION

Nonpenetrating  
Captive Bolt Tools

**Humane dispatch of  
livestock on the farm**

[bock-industries.com](http://bock-industries.com)



# Zephyr®-EXL

## Our Company

Bock Industries Incorporated designs and manufactures captive bolt tools for dispatching 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 dispatch
- Developing novel tools in support of 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 Tool

### Power Source:

Mini-propane Canister (on-board)

### Primary Application:

On-Farm Culling  
Mass Depopulation

### Key Features:

Operator Safety  
Cordless Operation

### Subjects:

Turkeys, Broilers



### Classification:

Nonpenetrating Captive Bolt  
Hose Connected Tool

### Power Source:

Compressed Air or CO2, 120 psi

### Primary Application:

On-Farm Culling  
Boutique Slaughter & Processing Backup

### Key Features:

Operator Safety  
Small Farm Slaughter

### Subjects:

Turkeys, Broilers, Nursery Pigs<20lb, Rabbits