

Zephyr-EXL



Non-penetrating Captive Bolt Device for Piglets < 20 lbs.

Restraint

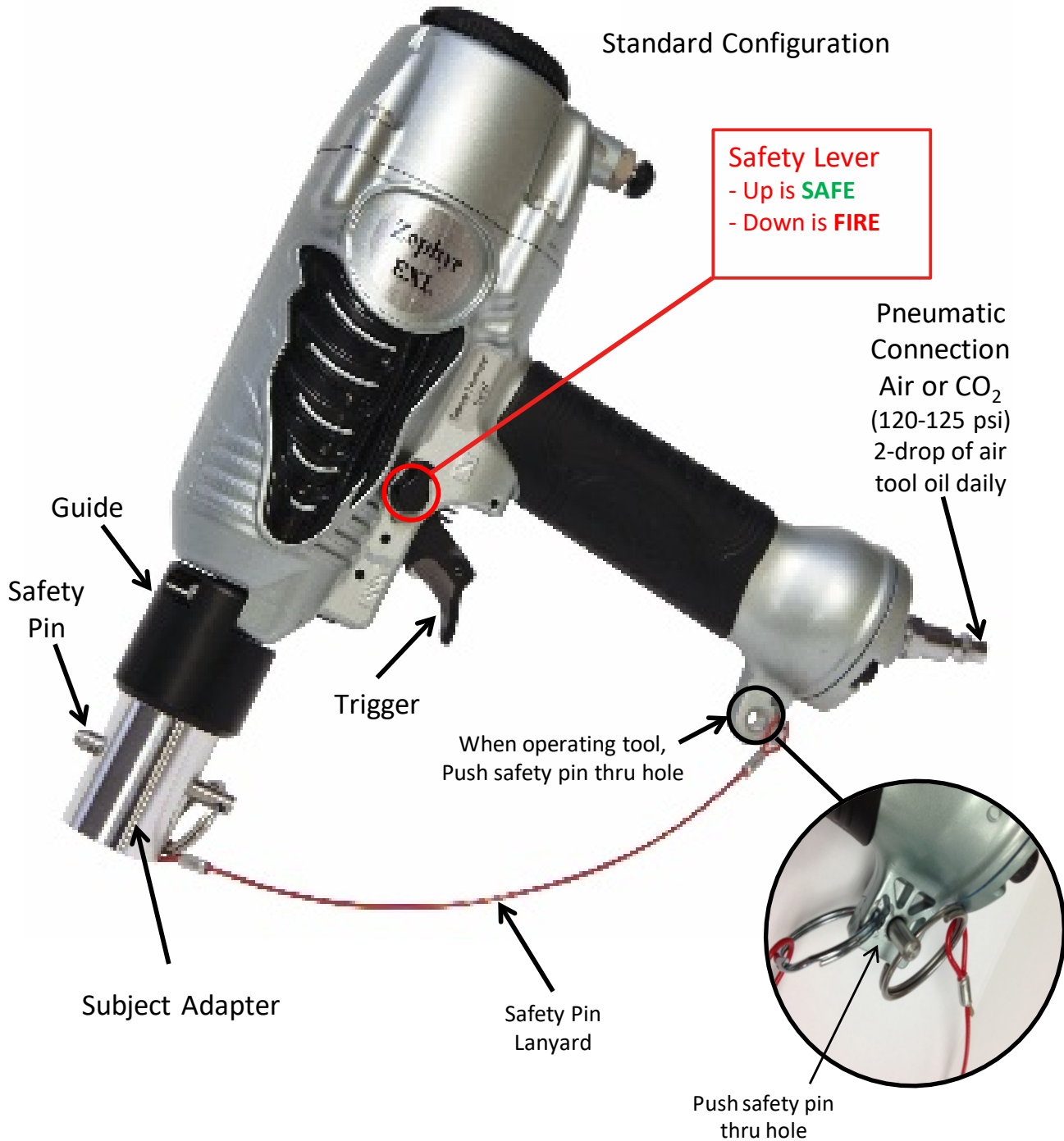
Support the piglet's head against a solid surface.

Shot position



1. Add two drops of air tool oil to the device's pneumatic connection.
2. Connect air line at **120-125 psi**.
3. Remove safety pin & turn safety lever down (FIRE position).
4. In one motion: Press device firmly on target and immediately squeeze the trigger.
5. Confirm physical signs of insensibility: e.g. no rhythmic breathing, no corneal reflex and no response to nose prick.

Component Identification



Cleaning and Maintenance

1.0 PREPARATION FOR CLEANING

1. Obtain Lysol concentrate and mix into solution per label for virus decontamination. **(Lysol kills 99.9% viruses and bacteria.)**
1. Use the Lysol solution at a tepid temperature to facilitate removal of bio-solid material remaining on the Zephyr.
2. Obtain Lysol spray product.
3. Obtain sufficient cotton “t-shirt” cloth wipers’.
4. Obtain ½” diameter bristle type bottle brushes.
5. Obtain beaker approximately 4” diameter and 5” tall to soak wash nose piece.
6. Perform steps below in a temperature controlled room if possible.

2.0 CLEANING THE ANIMAL CONTACT AREA OF THE ZEPHYR

Cleaning to maintain smooth and free movement of the bolt is essential to maintain design bolt velocity. Contaminated bolts will adhere to the guide bushing and cause a reduction in bolt velocity. Bolt velocity is a key metric in producing a quality stun.

•Proceed as follows:

- i. Remove pneumatic connection from Zephyr so that the Zephyr is not accidentally fired. **(It is impossible to fire the Zephyr without a pneumatic connection.)**
- ii. Remove Safety Pin from Subject Adapter and dock Safety Pin where shown near pneumatic hose connection.
- iii. For heavy contamination cases, first soak Subject Adapter and Guide assembled on Zephyr frame. Initially “soak loosen” biomaterials by immersing the animal contacting, “nose section” of the Zephyr in a suitable beaker filled four inches (4”) deep with tepid Lysol solution for a period of 5 minutes to aid in separation of the Guide from the Subject Adapter.
- iv. Remove Subject Adapter completely from Guide by turning CCW; approximately 1 inch travel until separation.
- v. Descend and expose the bolt by grasping the bolt end and fully descend.
- vi. Inspect bolt end for wear or cracking. Replace if any cracked plastic is visible.
- vii. Clean around and behind the descended bolt with a small round/pointed bristle bottle brush to further loosen bio-solids.
- viii. Repeat steps “vii” until all visible material is removed and the interior and exterior of the guide, subject adapter and bolt are visibly free of contamination. Use “Scotch Brite pads as needed.
- ix. Replace the Subject Adapter to the Guide by turning CW fully, hand tight only.
- x. Wipe dry the exterior of the Zephyr including the “nose section” with spray Lysol until all visible bio-solid material is removed.
- xi. Add two (2) drops of pneumatic tool oil into pneumatic connection on the Zephyr.
- xii. Dry fire Zephyr 5 times to force pneumatic tool oil into the Zephyr to displace any internal water or cleaning fluids.