Trade Safety Series:
Using Power Tools Safely - Nail guns

About the Video:

Master builder Todd Newman shares his 20+ years experience as a very safe builder, showing and explaining the best practice when it comes to the safe use of power tools. In this program we examine the best practice for using nail guns.

Year of Production: 2014

Total length of video: 4.02

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**Timeline**

00.00 Introduction and Injuries

01.20 What to check

01.30 Maintenance program

01.51 Dangers of bump nail guns. Never place gun on body.

02.20 PPE gear, noise.

02.41 Best process for using gun

3.06 Keep hands away from danger

3.20 Keep finger off trigger
Learning Activities

For consideration prior to viewing:

These activities can be undertaken with participants working individually or in one or more small groups. They are designed so responses can be made in different ways, including brainstorming, discussion, written responses, role-plays etc.

1. Pair students up. Ask them to brainstorm and list all the dangers students can think of posed by a nail gun in a construction site. Compile the list as a class. What did they identify? What did they not identify? Discuss.

2. Ask students to research all the possible injuries from a nail gun. Discuss instances where these injuries are most likely to occur.

3. As a hypothetical exercise, ask students to imagine that they are in charge of safety at a construction site. Ask students to design a safety campaign to minimize injuries from nail guns. Think visual (e.g. posters), verbal (e.g. toolbox meetings) and administrative (process regulation).
Questions about the video:

1. How fast can nail guns shoot nails?

2. Injuries from nail guns can cause...
   1. ______________________________
   2. ______________________________
   3. ______________________________

3. Injuries occur from what two main reasons?
   1. ______________________________
   2. ______________________________

4. What two main things should you check before using a gun?
   1. ______________________________
   2. ______________________________

5. What type of nail gun can be used for rapid work?
   ______________________________

6. If you need to break from using a nail gun, you should always what?
   ______________________________

7. The PPE you should have on when using a nail gun is...
   1. ______________________________
   2. ______________________________
   3. ______________________________
Questions about the video: Answer key.

1. How fast can nail guns shoot nails?
   A: 30 metres per second

2. Injuries from nail guns can cause...
   A: 1) Blindness 2) Disability 3) Death

3. Injuries occur from what two main reasons?
   A: 1) Accidentally discharging gun 2) Malfunction

4. What two main things should you check before using a gun?
   A: 1) Condition of the gun 2) Safety cap of the gun.

5. What type of nail gun can be used for rapid work?
   A: A bump nail gun

6. If you need to break from using a nail gun, you should always what?
   A: Put it on the ground

7. The PPE you should have on when using a nail gun is...
   A: 1) Eyes 2) Ears 3) Steel-capped boots
Follow-up activities

These activities can be undertaken with participants working individually or in one or more small groups. They are designed so responses can be made in different ways, including brainstorming, discussion, written responses, role-plays etc.

1. Research the best first aid for an eye injury from a jackhammer

2. Research the best PPE options for use in a hot climate, and then a cold climate.

3. Research the different nail guns available, and what job requires which type.
Suitable resources

Equipment and machinery resources (range of material available from this page)


Jackhammers:


Building and Construction Industry Guidelines for Electrical Practices:


Safety handbook for the building and construction industry:


Hierarchy of hazard controls: