

Quiz: Name That Machine Guard



MACHINE GUARDS, 101

Before you start the Quiz, here's a quick overview of the basic types of machine guards:

A. Guards

Guards are physical barriers that block workers' access to the danger area. There are 4 basic kinds of guards:

1. Fixed guards that are a permanent part of the machine;
2. Adjustable guards that allow for flexibility in accommodating different sizes of stock;
3. Interlocked guards that automatically shut off or stop the machine when tripping mechanism is activated until the guard is put back in place; and
4. Self-adjusting guards in which the size of the opening in the barrier adjusts to accommodate the stock, e.g., enlarges to allow larger stock to enter.

B. Devices

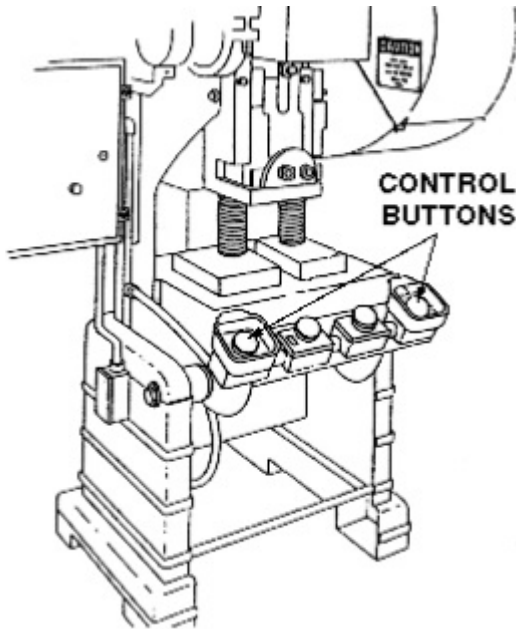
Devices automatically stop the machine. The 3 basic types:

1. Presence sensing devices that stop the machine's operating cycle when a light field is broken, e.g., a worker sticks his hand in the danger zone;
2. Pullback devices that use a series of cables attached to the operator's hands, wrists, and/or arms; and
3. Safety controls like tripwire cable, and two-hand control.

NAME THAT MACHINE GUARD

Instructions: Name the type of machine guard pictured:

1. This is a/an:

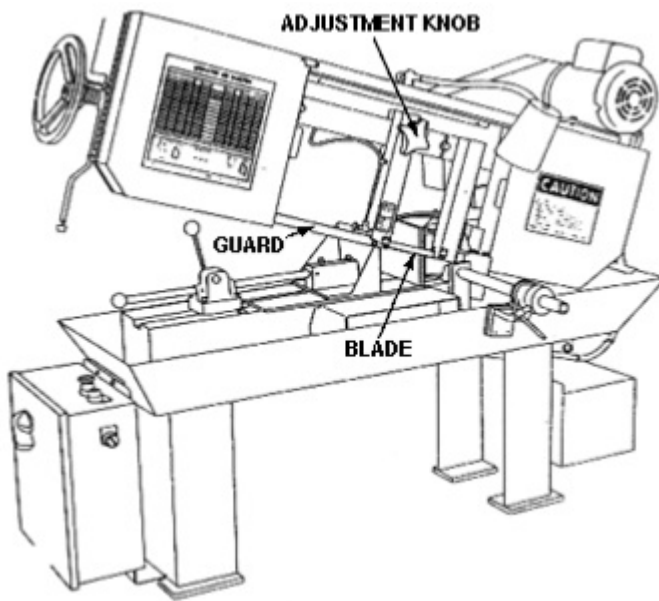


- A. Fixed guard
- B. Two-hand control
- C. Adjustable guard
- D. Presence sensing device

ANSWER:

B. Two-hand control

2. This is a/an:

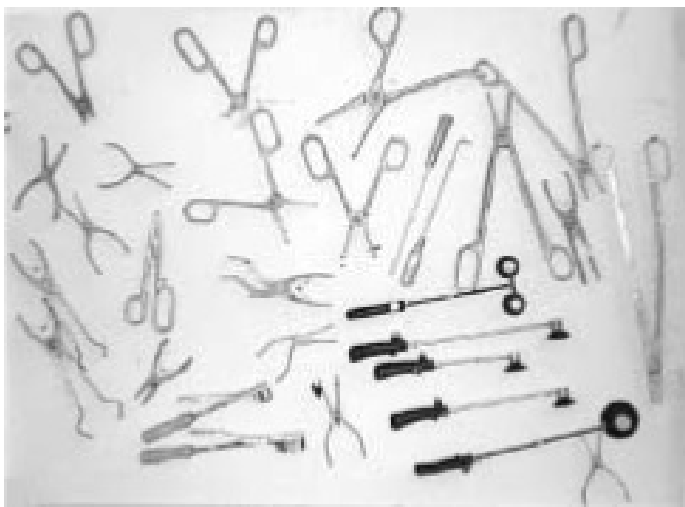


- A. Fixed guard
- B. Two-hand control
- C. Adjustable guard
- D. Presence sensing device

ANSWER:

C. Adjustable guard

3. These are:



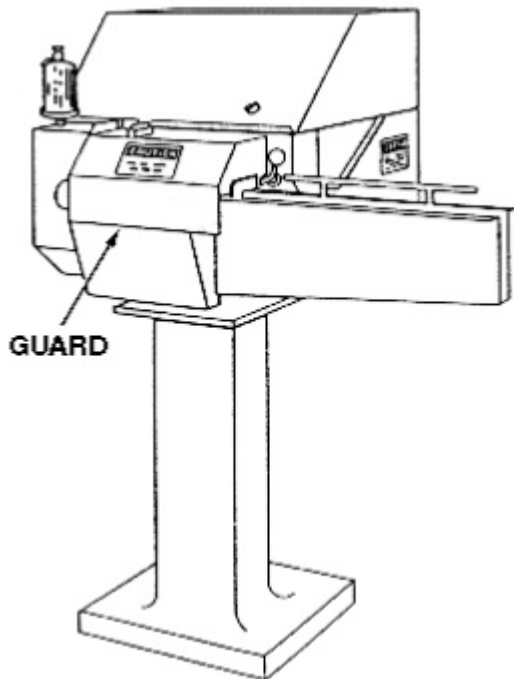
- A. Hand feeding tools
- B. Lockout devices
- C. Tagout devices

D. Barrier guards

ANSWER:

A. Hand feeding tools

4. This is a/an:

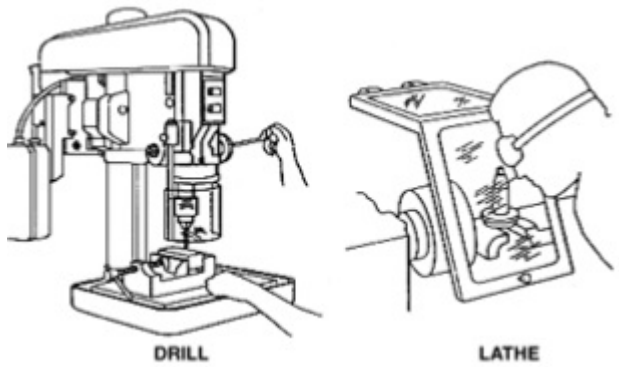


- A. Fixed guard
- B. Interlocked guard
- C. Adjustable guard
- D. Self-adjusting guard

ANSWER:

B. Interlocked guard

5. These devices are:

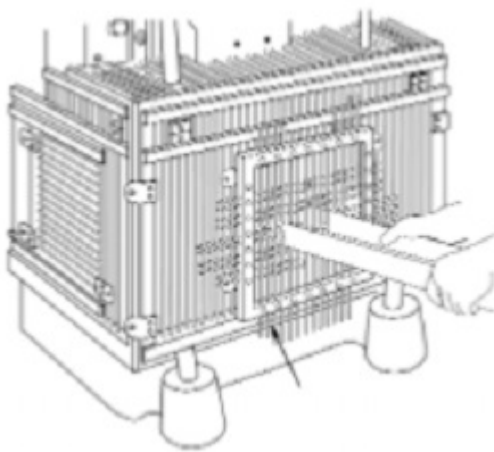


- A. Presence sensing devices
- B. Hand feeding tools
- C. Gates
- D. Protective shields

ANSWER:

D. Protective Shields

6. This is a/an:

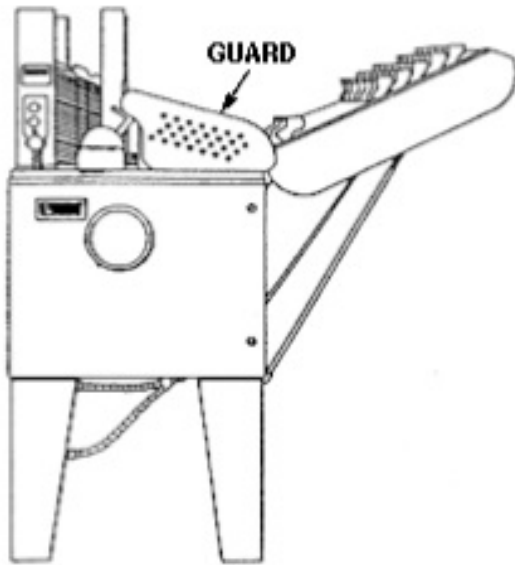


- A. Self-adjusting barrier guard
- B. Fixed guard
- C. Interlocked guard
- D. Location guard

ANSWER:

A. Self-adjusting barrier guard

7. This is a/an:

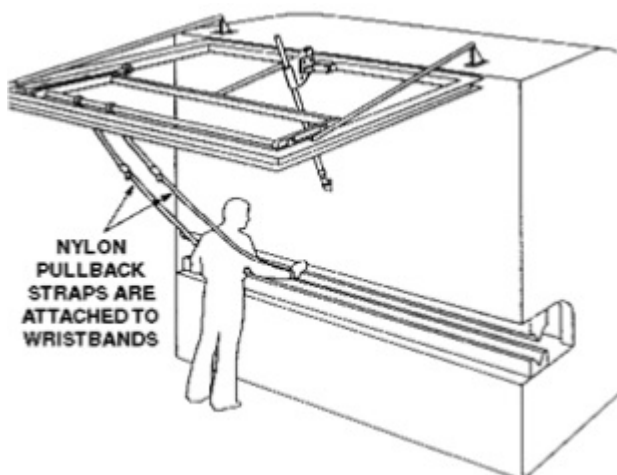


- A. Self-adjusting barrier guard
- B. Fixed guard
- C. Interlocked guard
- D. Location guard

ANSWER:

B. Fixed guard

8. This device is a:

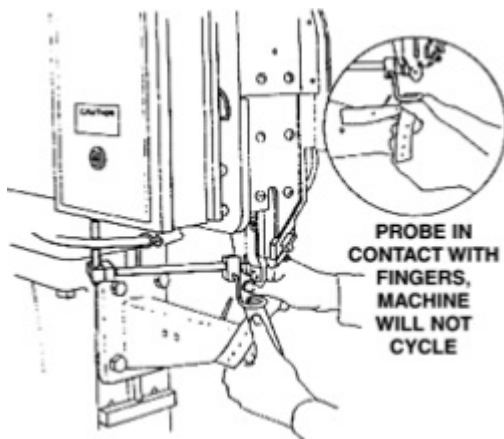


- A. Presence-sensing device
- B. Restraint device
- C. Pullback device
- D. Lockout device

ANSWER:

C. Pullback Device

9. This device is a:

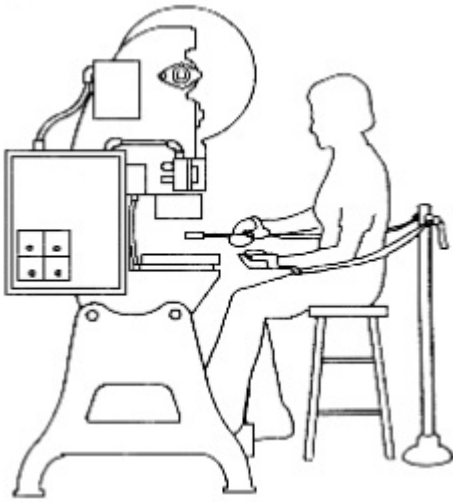


- A. Presence-sensing device
- B. Restraint device
- C. Pullback device
- D. Lockout device

ANSWER:

A. Presence-sensing device

10. This guarding method is a:



- A. Pullback device
- B. Protective shield
- C. Presence-sensing device
- D. Restraint

ANSWER:

- D. Restraint

GRADE YOURSELF

How did you do'

- **9 -10 right:** You know your machine guards
- **8 right:** Just beneath elite
- **7 right:** Better than average
- **6 right:** Passing
- **5 or less right:** 'Better brush up on your knowledge of machine guards