



## Machine Guard - Material Specifications

- Wire Mesh Infill** (As Indicated on Quote)
  - Panels:** #8 W&M Gauge (0.160) welded into a 1.25" x 4" rectangular mesh
  - Doors & Transoms:** #10 W&M Gauge (0.135) welded into a 1" x 4" rectangular mesh
- Panels:** Standard panel sizes are 59" in Width 68", 80" & 92" in Height. Panels have V-bends parallel to the 59" directions. Height of 68" has 3 Bends, 80" has 4 bends, 92" has 5 bends. bends are spaced approximately 16-1/4" apart from each other.
- Transoms:** Standard panel sizes are 4 foot & 5 foot in widths & 1 foot in height. Horizontal and vertical frame members constructed from 1-1/4" x 1-1/4" x 1/8" hot rolled angle, with 1-1/4" x 3/8" slotted holes punched every 12 inches on center (O.C.). Vertical frame members are notched and welded to horizontal angle at corner seams. Wire mesh is securely welded to frame.
- Posts:** 14-gauge 2" x 2" square tube with a series of 7/16" diameter holes on all four sides to accept hardware to connect brackets and doors. Standard posts, ranging from 6'-2" to 8'-2" in one-foot increments, are drilled with first hole at 8" above the finished floor and spaced every 12" O.C. leaving a 4" maintenance sweep space below the panels and doors. Tube is welded centered on a 2" x 7" x 1/4" steel flat base plate on standard posts. Base plate is punched to accept two 3/8" diameter anchors.
- Brackets:** 11-gauge sheet metal formed component into a 'Batwing' shape. Bracket formed to fit around 2" x 2" square tubing, containing slotted cavity voids for panel wires to rest in, and 10-32 captive screws to retain panel wires once panels are installed.
- Pre-hung Hinge Door Panels (if quoted):** Horizontal and vertical frame members constructed from 1-1/4" x 1-1/4" x 1/8" hot rolled angle. Horizontal frame members are notched and welded to vertical angle at corner seams. Wire mesh is securely welded to frame. Three (3) 2-1/2" x 2-1/2" butt hinges are welded to the door panel. Hinges are then welded to an additional outer 1-1/4" x 1-1/4" x 1/8" four-sided angle frame, which come standard in a 4 foot width and 7 foot height. Outer frame comes with 1-1/4" x 3/8" slotted holes punched every 12 inches on center (O.C.). Door(s) and outer frame are punched with slotted holes to mount matching 1-1/4" padlock hasps.
- Slide Doors (if quoted):** Constructed of the same materials as pre-hung hinge door. Complete with all necessary mounting hardware to install and operate. Slide door comes in 5x7 size only. Opening size of 60" x 84" including sweep space.
  - Hardware:** Two 4-wheel bearing trolleys rolling in an enclosed track, roller door guide, and 2" x 4" x 16" receiver. Track is captured using a 2-7/8" x 1-3/4" galvanized steel bracket that mounts to a 3/16" formed bracket holder to bolt directly to posts.

**8. Locking Systems:**

- **Padlock Hasps:** Both pre-hung hinge & slide doors come prepped for 1-1/4" padlock hasps to be bolted onto doors & adjacent post or receiver. Commando Padlocks available for purchase.
- **Fortress Interlock:** Compatible with both pre-hung hinge & slide doors. Drop shipped from Fortress Interlock with features including power to lock, power to unlock, internal escape, & automatic power down.

**9. Hardware:** 5/16" carriage bolts and flanged hex nuts for all door & transom connections. 10-32 captive screws embedded in brackets for panel to post connections. 3/8" x 3" concrete wedge expansion floor anchors are included; ***other anchors are the responsibility of the erector.***

**10. Finish (*per quote*):** 3 stage Zirconium wash with a standard powder coat finish of black on brackets, doors, transoms, & wire panels. Yellow powder coat finish for posts.

**11. Disclaimer:** This specification is subject to change.

**w.w.Cannon, Inc.**

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