



Personnel Man Doors

American Mine Door[®] Co. offers a stand alone “man door” for personnel access through air locks as well as other areas where an access way is required.

Operational and Design Features

This man door operates under the same principles as our mine doors, utilizing an opposing wing design to cancel out the effects of static pressure. Even with rather high pressures, these doors are relatively easy to open since the pressure against one door panel is canceled out by the opposing door panel.

These doors operate with the assistance of an industrial style “door closure” mechanism, which will assist the closure of the door. This closure mechanism is adjustable and ensures the door always remains closed when not in use.

Man doors are often used in conjunction with a mine door installation, the man door is installed on the side of the mine door, to eliminate personnel traffic from using the mine door as a passageway.

Specifications

- 6” - “C” channel outer frame is sturdy and easy to install.
- Door skins – 12 ga.
- Door wings fabricated from 1” square tubing creating a sturdy and durable door wing.
- Heavy duty actuation arm with precision ball-joints is easily adjusted to the open and close positions of the wings.
- Heavy duty door closure mechanism – adjustable.
- Painted “high visibility” safety yellow.
- Hinges are heavy duty type with machined areas to allow smooth door operation for years of service.
- Standard size man doors are 3’ wide by 7’ tall, yet our man doors can be manufactured to fit any customer’s size requirements.
- Observation window installed to identify people/objects on other side of door.
- Rubber bratticing is used for perimeter sealing between the door wing, and door frame, significantly reducing leakage.