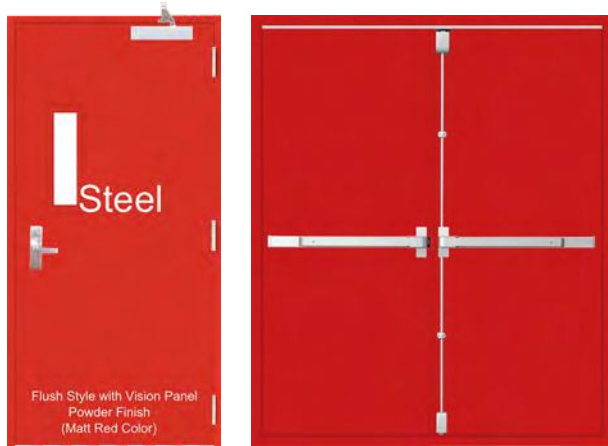
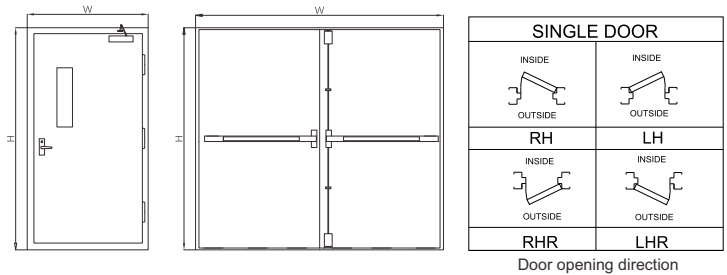


# Swinging-type steel fire rated door

Swinging-type steel fire rated door is designed to protect the openings in wall against the spread of fire and smoke into or out of buildings. It is normally installed in concrete, masonry walls to provide the certain degree of fire protection.



- Certificate: UL Listed
- Standard: NFPA 80, UL 10B, UL 10C, NFPA 252
- Material: Galvanized carbon steel or SS
- Fire rated time: 1 / 1.5 / 2 / 3 hours
- Feature: Fire proof and thermal insulation
- Surface: Red RAL 3000 powder coated, gray, white, etc.



## Main parts and material

|                               |  |                             |  |
|-------------------------------|--|-----------------------------|--|
| <b>Door leaf sheet</b>        | Galvanized steel or SS, 0.8 / 1.0 / 1.2 mm thickness | <b>Core</b>                 | Honeycomb kraft / steel stiffened / polyurethane         |
| <b>Door frame</b>             | Galvanized steel or SS, 1.5 ~ 2.0 mm thickness       | <b>Standard hardware</b>    | Hinge, door closer, smoke seal, panic push bar with lock |
| <b>Door opening direction</b> | Refer to above drawing                               | <b>Optional accessories</b> | Magnetic door holder                                     |

## Available size

| Construction | Opening type | Vision panel | Louver       | Fire rated time | Dimension W x H (mm) | Ref. No. |
|--------------|--------------|--------------|--------------|-----------------|----------------------|----------|
| Hollow metal | Single       | With, or not | With, or not | 1 hour          | 1200 x 2100          | F9701    |
| Hollow metal | Single       | With, or not | With, or not | 1 hour          | 1200 x 2400          | F9702    |
| Hollow metal | Single       | With, or not | With, or not | 1.5 hours       | 1200 x 2100          | F9703    |
| Hollow metal | Single       | With, or not | With, or not | 1.5 hours       | 1200 x 2400          | F9704    |
| Hollow metal | Single       | With, or not | With, or not | 2 hours         | 1200 x 2100          | F9705    |
| Hollow metal | Single       | With, or not | With, or not | 2 hours         | 1200 x 2400          | F9706    |
| Hollow metal | Single       | With, or not | With, or not | 3 hours         | 1200 x 2100          | F9707    |
| Hollow metal | Single       | With, or not | With, or not | 3 hours         | 1200 x 2400          | F9708    |

# Swinging-type steel fire rated door

## Available size

| Construction | Opening type | Vision panel | Louver       | Fire rated time | Dimension W x H (mm) | Ref. No. |
|--------------|--------------|--------------|--------------|-----------------|----------------------|----------|
| Hollow metal | Double       | With, or not | With, or not | 1 hour          | 1200 x 2100          | F9709    |
| Hollow metal | Double       | With, or not | With, or not | 1 hour          | 1500 x 2100          | F9710    |
| Hollow metal | Double       | With, or not | With, or not | 1 hour          | 1800 x 2100          | F9711    |
| Hollow metal | Double       | With, or not | With, or not | 1 hour          | 1200 x 2400          | F9712    |
| Hollow metal | Double       | With, or not | With, or not | 1 hour          | 1500 x 2400          | F9713    |
| Hollow metal | Double       | With, or not | With, or not | 1 hour          | 1800 x 2400          | F9714    |
| Hollow metal | Double       | With, or not | With, or not | 1.5 hours       | 1200 x 2100          | F9715    |
| Hollow metal | Double       | With, or not | With, or not | 1.5 hours       | 1500 x 2100          | F9716    |
| Hollow metal | Double       | With, or not | With, or not | 1.5 hours       | 1800 x 2100          | F9717    |
| Hollow metal | Double       | With, or not | With, or not | 1.5 hours       | 1200 x 2400          | F9718    |
| Hollow metal | Double       | With, or not | With, or not | 1.5 hours       | 1500 x 2400          | F9719    |
| Hollow metal | Double       | With, or not | With, or not | 1.5 hours       | 1800 x 2400          | F9720    |
| Hollow metal | Double       | With, or not | With, or not | 2 hours         | 1200 x 2100          | F9721    |
| Hollow metal | Double       | With, or not | With, or not | 2 hours         | 1500 x 2100          | F9722    |
| Hollow metal | Double       | With, or not | With, or not | 2 hours         | 1800 x 2100          | F9723    |
| Hollow metal | Double       | With, or not | With, or not | 2 hours         | 1200 x 2400          | F9724    |
| Hollow metal | Double       | With, or not | With, or not | 2 hours         | 1500 x 2400          | F9725    |
| Hollow metal | Double       | With, or not | With, or not | 2 hours         | 1800 x 2400          | F9726    |
| Hollow metal | Double       | With, or not | With, or not | 3 hours         | 1200 x 2100          | F9727    |
| Hollow metal | Double       | With, or not | With, or not | 3 hours         | 1500 x 2100          | F9728    |
| Hollow metal | Double       | With, or not | With, or not | 3 hours         | 1800 x 2100          | F9729    |
| Hollow metal | Double       | With, or not | With, or not | 3 hours         | 1200 x 2400          | F9730    |
| Hollow metal | Double       | With, or not | With, or not | 3 hours         | 1500 x 2400          | F9731    |
| Hollow metal | Double       | With, or not | With, or not | 3 hours         | 1800 x 2400          | F9732    |

- Note:**
- Other customized dimensions are also available. The max size of single door is 1219mm x 2438mm, and the max size of double door is 2438 x 2438 mm.
  - For swing-type single door, the latching hardware includes cylindrical, mortise, rim exit.
  - For swing-type double door, it includes opening at same direction and opposite direction. And the latching hardware includes concealed vertical rod exit, cylindrical, mortise, surface vertical rod exit.