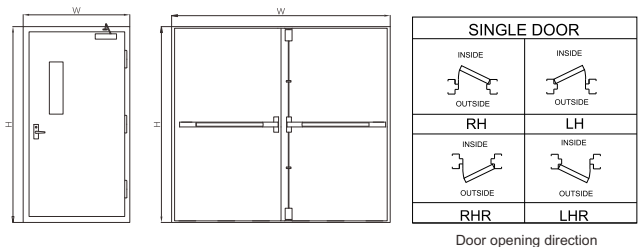


Swinging-type steel fire rated door

Swinging-type steel fire rated door from TPMC is engineered for reliable compartmentation, fire protection, and smoke control in commercial and industrial buildings. Available in single- and double-leaf configurations, each unit features a heavy-duty steel frame, reinforced hinges, and an intumescent sealing system that expands under heat to block flames and toxic smoke. Built to maintain structural integrity under extreme thermal exposure, the door ensures reliable self-closing operation and code-compliant compartmentation.



- Certificate: UL Listed
- Standard: NFPA 80, UL 10B, UL 10C, NFPA 252
- Fire rating: 1 / 1.5 / 2 / 3 hours
- Feature: Fire-resistant and thermally insulated
- Surface: Powder coated, red RAL 3020, White RAL 9010, Grey RAL 7042, or custom



Main parts and material

Door leaf sheet	Galvanized steel or SS, 22 Ga (0.8 mm), 20 Ga (1.0 mm), or 18 Ga (1.2 mm)	Internal core	Honeycomb kraft / steel stiffened / polyurethane
Door frame	Galvanized steel or SS, 16 Ga (1.5 mm) to 14 Ga (2.0 mm)	Door opening direction	Refer to drawing above
Standard hardware	Hinge, door closer, smoke seal, panic push bar with lock, intumescent smoke seals	Optional accessories	Magnetic door holder, concealed drop-down bottom seals, and other fire-rated hardware

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.