

## STANDARD AND CUSTOM DOOR FIRE RATING TABLES

### SINGLE DOORS

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
H18,H16,HP18,HP16,	3 HR	4'-0" X 8'-0"	<u>MIN. HARDWARE:</u> SINGLE POINT LOCK OR RIM OR MORTISE FIRE EXIT DEVICE *5'x12' DOORS REQUIRE FIRE PIN AT THE HEAD
CH18, CH16,CHP18,CHP16	3 HR	4'-0" X 8'-0"	
H18,H16,CH18,CH16	1 1/2 HR	3'-0" X 9'-6"	
C16, C14	3HR	4'-0" X 10'-0"	
EH18, EP18, CH14,C14	3HR	4'-0" X 8'-0"	
*C16, C14	1 1/2 HR	5'-0" X 12'-0"	
C12, LW16, C18, LW18	3HR	4'-0" X 8'-0'	
HR18, CHR18 (250 TR)	1 1/2 HR	4'-0" X 8'-0"	

### PAIR DOORS WITH ASTRAGAL (SWINGING IN SAME DIRECTION)

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
H18,H16	3 HR	8'-0" X 8'-0"	MIN HARDWARE ACTIVE LEAF- SINGLE POINT LOCK/LATCH INACTIVE LEAF-STRIKE, MANUAL/ AUTO FLUSH OR SURFACE BOLTS COORD. REQUIRED AT AUTO FLUSH BOLT. *10'X12' OPENINGS-ACTIVE DOORS REQUIRE FIRE PINS AT HEAD
CH18,CH16,CHP18,CHP16	3 HR	8'-0" X 8'-0"	
HP16,HP18	3 HR	8'-0"X 7'-2"	
H18,H16,CH18,CH16,	1 1/2 HR	6'-0" X 9'-6"	
C16, C14	3 HR	8'-0" X 10'-0"	
EH18,EP18	3 HR	7'-4" X 7'-0"	
CH14, C18, LW16, LW18	3 HR	8'-0" X 8'-0"	
HR18, CHR18 (250 TR)	1 1/2 HR	8'-0" X 8'-0"	

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**PAIR DOORS WITH ASTRAGAL**

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
H18,H16,	3 HR	8'-0" X 8'-0"	<b>MIN. HARDWARE:</b> <b>ACTIVE LEAF: MORTISE FIRE EXIT DEVICE .</b>  <b>INACTIVE LEAF-</b>  <b>SURFACE OR CONCEALED VERTICAL ROD</b>  <b>COORDINATOR REQD.</b>  <b>*6'-0"X 9'-6" DOORS: * ACTIVE DOOR</b>  <b>REQUIRES FIRE PIN AT TOP</b>
CH18,CH16,CHP18,CHP16	3 HR	8'-0" X 8'-0"	
*H18,H16, CH18,CH16	1 1/2 HR	*6'-0" X 9'-6"	
HP16,HP18	3 HR	8'-0"X 7'-2"	
EH18,EP18	3 HR	7'-4" X 7'-0"	
LW16,CH14, C18, LW18	3 HR	8'-0" X 8'-0"	
C16, C14	3 HR	8'-0" X 10'-0"	
HR18, CHR18 (250 TR)	1 1/2 HR	8'-0" X 8'-0"	

**PAIRS DOORS WITHOUT ASTRAGAL**

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
H18, H16, CH18, CH16	1 1/2 HR	6'-0" X 9'-6"	<b>MIN. HARDWARE:</b>  <b>BOTH LEAVES- SURFACE OR CONCEALED VERTICAL ROD FIRE EXIT DEVICE.</b>  <b>*10'-0"X12'-0" OPENING REQUIRES LISTED HARDWARE FOR 10' HIGH DOORS..</b>
C16, C18 LW16,CHP18,CHP16	1 1/2 HR	8'-0" X 8'-0"	
HP16.HP18	1 1/2 HR	8'-0"X 7'-2"	
EH18,EP18	1 1/2 HR	7'4" X 7'-0"	
HR 18,CHR 18 ( 250 F TR)	1 1/2 HR	8'-0" X 8'-0"	
*C16, C14	1 1/2 HR	10'-0" X 12'-0"	

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**PAIRS WITHOUT ASTRAGAL**

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
H18, H16, CH18,CH16	1 1/2 HR	8'-0" X 8'-0"	<b>MIN. HARDWARE:</b> ACTIVE -SINGLE POINT LATCH/LOCK INACTIVE- LEAF -STRIKE , FLUSH OR AUTO SURFACE BOLTS * ACTIVE DOOR REQUIRES FIRE PIN AT HEAD
HP16,HP18	1 1/2 HR	8'-0"X 7'-2"	
*C16,C14,	1 1/2 HR	10'-0"X 12'-0"	
CHP18,CHP16	1 1/2 HR	8'-0" X 8'-0"	
EH18,EP18	1 1/2 HR	7'4" X 7'-0"	
C18, LW16, LW18	1 1/2 HR	8'-0" X 8'-0"	

**PAIRS WITH REMOVABLE HARDWARE MULLIONS**

DOOR TYPES	MAX. RATINGS	MAX. SIZE	REMARKS
H18,H16,CH18,CH16,CHP18,	3	8'-0" X 8'-0"	<b>MIN. HARDWARE:</b> BOTH LEAVES- LISTED RIM EXIT DEVICE OR LOCKS LISTED HARDWARE MULLIONS FOR 3 HOUR RATINGS REQD.
CHP16, CH14,CHP16,LW18,	3	8'-0"X 8'-0"	
EH18,EP18	3	7'4" X 7'-0"	
C18,C16, C14	3	8'-0" X 10'-0"	
HR 18, CHR 18 (250 TR)	1 1/2 HR	8'-0" X 8'-0'	

**TECHNICAL DATA – DOORS****FIRE RATINGS****STANDARD AND CUSTOM DOOR FIRE RATING TABLES****DOUBLE EGRESS DOORS (SWINGING IN OPPOSITE DIRECTION)**

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
CH18, CH16	1 1/2	8'-0" X 7'-0"	MIN. HARDWARE: SURFACE OR CONCEALED VERTICAL ROD EXIT DEVICE
C18, C16	3	8'-0" X 8'-0"	
C18, C16	1 1/2	8'-0" X 10'-0"	
CHR18,CHR16	1 1/2	8'-0"X 8'-0"	

NOTES: ASTRAGAL IS REQUIRED FOR 3 HOUR LOCATIONS AND FOR DOORS OVER 8'-0"

**DUTCH DOORS**

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
H18,H16,	3	3'-6" X 7'-6"	MIN. HARDWARE: LISTED LOCK/LATCH
CH18,CH16,	3	3'-6" X 7'-6"	
C18, C16	3	3'-6" X 7'-6"	

NOTES: 1. BOTH LEAVES MUST INCLUDE LISTED LOCKS.

2. SHELF IS OPTIONAL

**FUSIBLE LINK LOUVER DOORS ( SINGLE AND PAIR)**

DOOR TYPES	MAX.RATINGS	MAX. SIZE	REMARKS
H18,H16,HP18,HP16	1 1/2	4'-0" X 8'-0"	MIN. HARDWARE: SINGLE/ACTIVE LEAF- SINGLE POINT LATCH/LOCK INACTIVE LEAF- STRIKE, AUTO OR MANUAL FLUSH BOLT, LISTED LOUVERS
CH18,CH16, CHP18,CHP16	1 1/2	4'-0" X 8'-0"	
CH14,C14,C18, C16	1 1/2	4'-0" X 8'-0"	
H18,H16,HP18,HP16	1 1/2	8'-0" X 7'-2"	
CH18,CH16, CHP18,CHP16	1 1/2	8'-0" X 7'-2"	
CH14,C14	1 1/2	8'-0" X 8'-0"	

NOTES: 1. MAXIMUM LOUVER SIZE : 24" X 24" PER DOOR LEAF

2. FIRE EXIT HARDWARE CAN NOT BE USED .

3. DOORS WITH FUSIBLE LINK LOUVERS CANNOT HAVE VISION LITES.

4. ASTRAGAL REQUIRED FOR PAIR DOORS