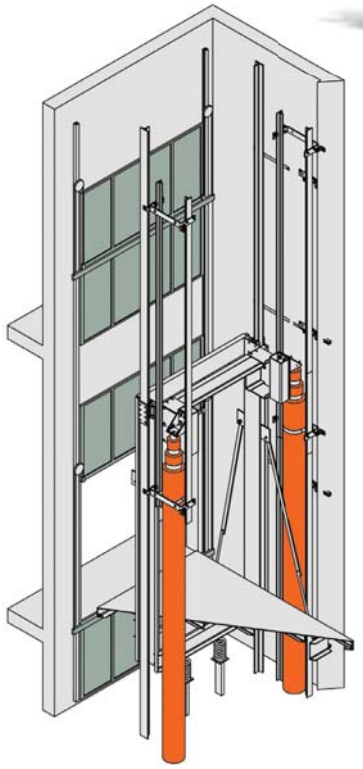
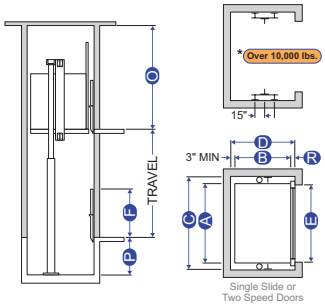
green tip

Vegetable based oil may be used in place of petroleum-based oil.

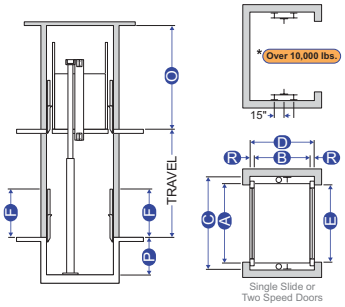
Call MEI for Sizes or Capacities Outside Listed Ranges 507.245.3060



Single Opening (F)



Double Opening (F/R)



- A = Platform Width
- B = Platform Depth
- C = Hoistway Width
- D = Hoistway Depth
- E = Clear Door Width
- F = Clear Door Height
- O = Overhead
- P = Pit Depth
- R = Door Clearance
- R = 5" for Regular Type Doors
- R = 6 ¾" for Pass Type Doors

*** Over 10,000 lbs.**

For capacities over 10,000 lbs., rail bracket fastening may require beam support as shown. A Structural Engineer needs to determine that the hoistway structure will withstand the rail forces shown on the layout drawing.

Cap.	Platform A x B	Hoistway With Power Regular Doors C x D	Hoistway With Power Pass Doors C x D	Pit Depth P	Front (F) Rear (R)	Clear Inside With Single Section	Clear Inside With Two Section	Door Width And Height E x F
4000	7'-0" x 8'-0"	8'-11" x 8'-8"	8'-11" x 8'-9 ¾"	4'-6"	F	6'-8" x 7'-7"	6'-8" x 7'-4 ½"	6'-8" x 8'-0"
4000	7'-0" x 8'-0"	8'-11" x 8'-10"	8'-11" x 9'-1 ½"	4'-6"	F/R	6'-8" x 7'-6"	6'-8" x 7'-1"	6'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-11" x 9'-8"	9'-11" x 9'-9 ¾"	4'-6"	F	7'-8" x 8'-7"	7'-8" x 8'-4 ½"	7'-8" x 8'-0"
5000	8'-0" x 9'-0"	9'-11" x 9'-10"	9'-11" x 10'-1 ½"	4'-6"	F/R	7'-8" x 8'-6"	7'-8" x 8'-1"	7'-8" x 8'-0"
6000	10'-4" x 10'-0"	12'-6" x 10'-8"	12'-6" x 10'-9 ¾"	4'-6"	F	10'-2" x 9'-7"	10'-0" x 9'-4 ½"	10'-0" x 8'-0"
6000	10'-4" x 10'-0"	12'-6" x 10'-10"	12'-6" x 11'-1 ½"	4'-6"	F/R	10'-2" x 9'-6"	10'-0" x 9'-1"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-6" x 12'-8"	12'-6" x 12'-9 ¾"	4'-6"	F	10'-2" x 11'-7"	10'-0" x 11'-4 ½"	10'-0" x 8'-0"
8000	10'-4" x 12'-0"	12'-6" x 12'-10"	12'-6" x 13'-1 ½"	4'-6"	F/R	10'-2" x 11'-6"	10'-0" x 11'-1"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-6" x 14'-8"	12'-6" x 14'-9 ¾"	4'-6"	F	10'-2" x 13'-7"	10'-0" x 13'-4 ½"	10'-0" x 8'-0"
10000	10'-4" x 14'-0"	12'-6" x 14'-10"	12'-6" x 15'-1 ½"	4'-6"	F/R	10'-2" x 13'-6"	10'-0" x 13'-1"	10'-0" x 8'-0"
Automobile Lifts								
8000	9'-4" x 21'-8"	11'-4" x 22'-4"	11'-4" x 22'-5 ¾"	4'-6"	F	9'-0" x 21'-3"	9'-0" x 21'-0 ½"	9'-0"
8000	9'-4" x 21'-8"	11'-4" x 22'-6"	11'-4" x 22'-9 ½"	4'-6"	F/R	9'-0" x 21'-2"	9'-0" x 20'-9"	9'-0"

Notes:

- Overhead dimensions are based on 6 foot high car gate.
- Two section car gates are not recommended for high usage installations or wide openings.
- For extra high door opening requirements, or special conditions, consult your representative.

Standard Cab Height H = 8'-0"

Guidelines for determining overhead required:	Overhead Requirements:
For 3 Stage Jack A) Car Speed = Up to 150 FPM B) Top Overtravel = 12" C) Bottom Overtravel = 8" D) Pit Depth = 4'-6" E) Cab Height = 8'-0"	**3 Stage Jack with Single Section Gate:** Minimum of 15'-1" overhead required for 38'-9" of travel and under. Add 11/32" for every additional 1" of travel over 38'-8". **3 Stage Jack with Two Section Gate:** Minimum of 13'-0" overhead required for 32'-0" of travel and under. Add 11/32" to 13'-0" for every additional 1" of travel over 32'-9".

Application Summary

This design utilizes two hydraulic jacks and provides maximum structural stability. The telesopic jacks are located on each side of the car.

Advantages

- No jack hole is required. This eliminates the cost of drilling and the risk of oil contamination.
- Accommodates front and rear openings in any configuration.
- Available for both low and high capacity cars.

Disadvantages

- Requires more overhead than an In-Ground project. The greater the travel, the greater the overhead must be.
- Requires a wider hoistway for the jacks.
- The material cost is typically higher than that of an In-Ground package.
- Auxiliary rails are required to guide the jack.

⚠ Do not use hoistway dimensions for construction purposes. Different code year adoptions and local code variations may affect the hoistway size. Verify all dimensions with MEI prior to construction.