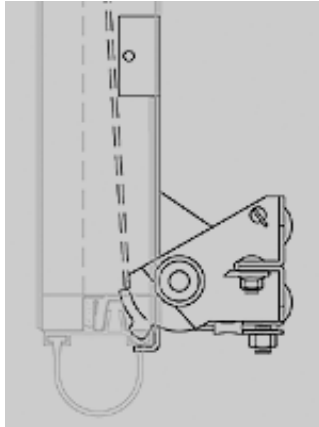


Did You Know? - F.Y.I.

About Clopay specialty items and features?



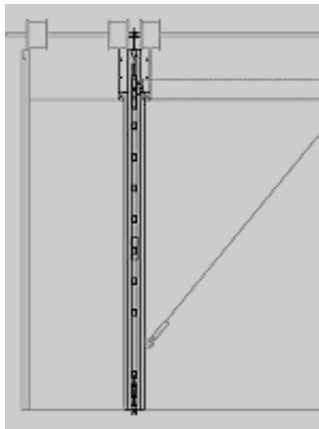
Safety Drop Bottom Brackets are available that will stop the door from falling in the unlikely event of cable failure. These safety drop bottom brackets are available for high-lift and vertical lift doors with either 2" or 3" track. Not available for low headroom applications, and not recommended for standard lift applications.

High Wind Resistance: Certain regions of the country, especially coastal areas, have building code requirements that call for doors to withstand higher windloads. Clopay has doors to accommodate a variety of different windload requirements. These doors are listed with SBBCI, Texas Department of Insurance, Dade County Florida windload and others.

Pass Door: For sectional doors that have a lot of pedestrian traffic, a pass door option is available on some models. The pass door allows for pedestrian travel through the door while the sectional door is closed, without raising and lowering it.



Full vision aluminum sections are available on most models and painted to match the color of the door. These sections are available with numerous glass and plexiglass options.



Removable Center Mullions: For openings that are wider than standard door width, consider using a carry-away, or roll-away, or swing-up mullion that enables the use of (2) two or more doors to fill one opening.

Insulation: To SAVE energy, many sectional doors are equipped with insulation, with R-Values up to 17.2 calculated, 7.57 tested (installed).

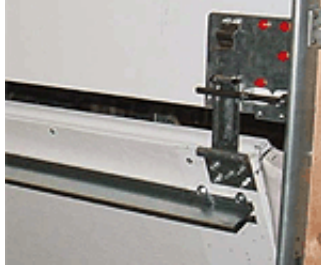
R-Value Chart

	Thickness	R-Value
Insulated	2"	7.1
Sandwich Polystyrene	1 3/8 "	6.5
Sandwich Polystyrene	2.0"	9.0
Sandwich Polystyrene	3.0"	13.2
Sandwich Polyurethane	1 1/2"	12.9
Sandwich Polyurethane	1 3/4"	15.05
Sandwich Polyurethane	2"	17.2

Section reinforcement: Larger size doors may require additional reinforcing struts to add strength to the door.

Window lites available: For visibility without going to a full vision aluminum section, sectional doors are available with window lites of various sizes. Sizes available are 24" x 6" and 24" x 12" for ribbed steel doors; 24" x 8", 28" x 14" and 40" x 14" for polystyrene sandwich products; 24" x 8", 24" x 12" for polyurethane sandwich products; and 20" x 12" for Clopay raised panel doors.

Outside keyed locks are available. Interlock switches should be used if doors are specified with a keyed lock and an electric opener. Additional reinforcement may be required on the top section of the door for trolley-type operator. As a general rule, doors for openings with wood jambs should be the same width as the opening. Doors for openings with steel jambs should be 2" wider than opening.

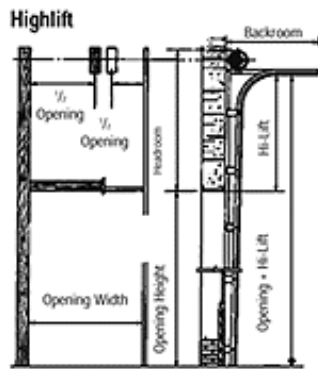


Break-away bottom section: For areas of high traffic and the possibility of the door being struck, a break away bottom section is available. This section can be hit and reset in seconds maintaining the function of the door and the integrity of the building.

Create-a-Sign Full Vision: Where space is an issue and a sectional door has road frontage, the create-a-sign full vision section provides an economical and efficient means to identify or advertise a business.

TRACKS & SPRINGS

Low headroom track: For doors with limited clearances between the top of the opening and the ceiling, low headroom track is available. Minimum headroom required is about 4-1/2".



Hi-lift or Vertical lift: For doors with additional space between the top of the opening and the ceiling, hi-lift and full vertical lift track are available.

Track Mounting: Track can be mounted to the jambs in (3) different ways, depending on your specific needs. Bracket Mount, Continuous Angle, and Reverse Angle.

High Cycle Springs: Sectional door springs can be specified to have a 10,000, 25,000, 50,000 or 100,000 cycle life. One cycle is defined as a complete opening and closing of the door.

Double Torsion Shaft: Some larger doors and some doors with high cycle springs may require two (2) torsion shafts. Extra headroom may be required for the use of double shaft torsion assembly.

Maintenance: Regular lubricant of Torsion Springs will extend spring life.

Sectional Motor Operators: Jackshaft operators can be mounted on the left or right side of the door.

Interlock: Electrically operated doors with keyed locks must include an electric interlock.

Opener Safety: Certain local codes may require all electric operated doors to have a sensing edge. Electric photo eyes are a non-contact safety device. Both sensing edges and photo eyes can be used on the same door.

Slowdown kits are available and recommended for oversize doors.



Dual Trolley Operators: Oversize standard lift doors should use dual trolley operators.

Booster: Multiple control stations may require additional and larger control wiring.

Coil Cord/Take-Up Reel: Coil cords and take-up reels must be specified with sensing edge.

Selecting Proper Opener: Four selections must be made to specify an operator model:

Select the proper model type.

Select the horsepower rating.

Select the voltage, phase and frequency.

Select the central circuit type.