Agriculture Bi-Fold Door

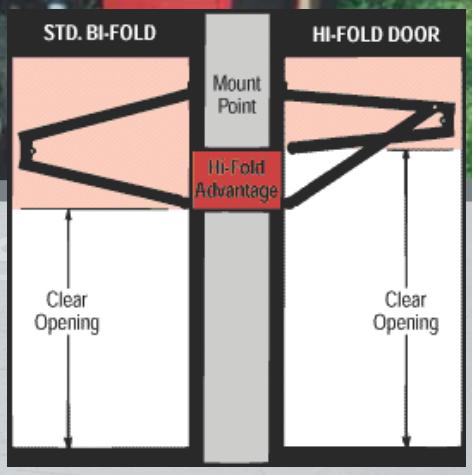
Higher Clearance

Get MORE CLEARANCE with a Hi-Fold Bi-Fold Door.

Our strong, rugged bi-fold doors provide 12-24 inches more door opening clearance than any other bi-fold on the market.

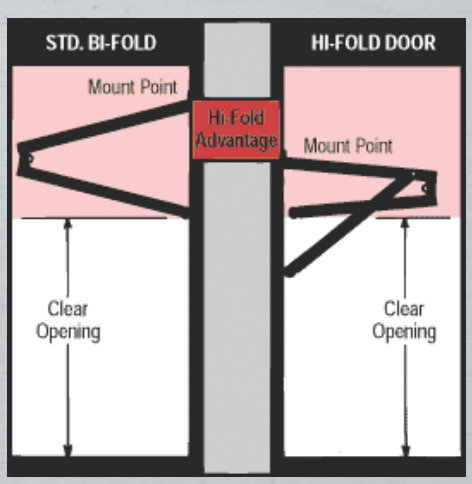
Retrofit existing doors without losing clearance!
With Hi-Fold doors, you can replace worn-out sliding and overhead doors or add a door to an existing building without sacrificing door opening clearance or changing the roofline.

- Double-strength center hinge design eliminates sagging
- Patented auxiliary arms allow higher opening clearance and lower mount points
- Strong, welded steel frame and trusses withstand high winds and maximize the life of your door
- Open door provides a canopy to protect against sun and rain
- When closed, the sturdy jamb latch and rugged bottom seal keep intruders and extreme weather out



More clearance for your equipment

For fixed door mounting heights (above), as on existing buildings, the Hi-Fold Door provides you with 12" to 24" more door opening clearance than is possible with standard bi-folds.



Less mounting clearance needed for your building

For required clear openings (above), Hi-Fold Doors open to within 10" to 28" of the hinge mounting line, providing clearance without increasing building height, as required with standard bi-folds.

HI-FOLD DOOR CORPORATION
Higher Clearance • Higher Quality

N6170 1070th Street | River Falls, WI 54022
P: 715-262-3018 | 800-443-6536 | F: 715-262-3998
Find out more at www.hi-fold.com

or scan the code on your smartphone for instant web access

Quality Engineered from the Ground Up.

BI-FOLD DOOR SPECIFICATIONS

Standard door sizes: 12' to 80' clear opening width: heights to 20' clear.
Main door structure: Double 2" x 4" x 1/8" Class A500 structural center hinge line tubing on doors to 46' wide and double 2" x 6" Class A500 on larger doors.
Door frame: 14-gauge, welded, Class A513 square steel tubing: 1-1/2" x 1-1/2" on doors up to 46' wide: 2" x 2" on doors over 46' wide. Door frame unitized on doors to 46' x 16'. Doors over 18' high and over 46' wide built in right and left halves. Doors over 18' high may have the top and bottom horizontally divided to facilitate freight.
Door trusses: Heavy-gauge steel tubing: 1 to 3 horizontal trusses, 6 1/2" to 12" deep, depending on door width, height and load requirements.
Door finish: All doors primed with black water base oxide and painted with black ester enamel epoxy.
Hinges: Strong factory welded leaf type hinges are installed on the horizontal centerline and top of the door. Top hinge can be ordered with 9-1/4" wide leaf up for wood buildings or 3" wide leaf up for steel buildings. Five top hinges on doors to 34' wide, seven hinges on doors over 34' and nine hinges on doors over 56' wide and 16' tall.
Auxiliary arms: Patented, high-clearance door support arms made of heavy-gauge square-steel tubing with self-concealing chain followers.
Wheels: roller wheels on door bottom and Auxiliary Arms are solid steel with sealed roller bearings inserts.
Drive unit: 1 h.p. to 2 h.p. totally enclosed fan cooled motor with geared speed reducer. Electric brake installed on all doors. Jack shaft with dual chain drives supplied on all doors. Motor mounted to side on doors over 34' wide.
Electrical wiring: Furnished and completely factory installed. 1 h.p. motors standard 110 volt with circuit breaker: 1.5 hp. and 2 h.p. wired 220 volt with up electrical safety disconnect. Conduit required to be supplied by others. Electrical components placed on door in a location to meet the requirements of N.E.C. section 513.
Operating control: NEMA type 1 "Up-Down-Stop" three push button control wired 24 volts standard.
Up/Down limits: Easy, positive micro-switch adjustment for top and bottom automatic shut-off contained in relay box with chain drive coupling with drive shaft.
Open/Close time: Approximately one to two minutes, varies with door size.
Operating cables: 7/32" aircraft cables in quantity to provide a 5 to 1 safety factor.
Cable lift drums: Four 2" diameter lift drums with cable guide and cable guard installed on full width drive shaft. Doors smaller than 36' supplied with three lift drums. Doors larger than 56' wide and 16' tall supplied with six lift drums.
Drive shaft: Full width drive shaft constructed of 2" diameter steel torque tube. Load bearings supporting the drive shaft are installed on each side of lift drum and are bronze with grease fitting.
Single location lock: Patented self adjusting latches secure door to jambs with the turn of a crank. Eliminates walking to each side of door to lock/unlock. Micro switch safety disconnect supplied to interrupt power if Single Location Latch is not unlocked.
Bottom follower system: Hold bottom of door against building with door closed.
Rubber top seal: Standard 12" wide rubber roofing membrane with ultraviolet inhibitor to weather proof top of door.
Rubber bottom seal: 3" space between door frame and finished floor sealed with standard 12" wide bottom seal.
Weather-strip package: Supplied in bulk on a per foot basis for sealing between door frame and building jamb on vertical and horizontal surfaces and at center hinge area.
Floor cane-bolt: Factory installed at center of door over 40' wide. Cane-bolt slides thru sleeve on door into a hole drilled in the floor.
Warranty: 3 years on materials and workmanship.

OPTIONAL FEATURES

Extra-heavy duty trussing: Standard wind load can be increased or special demands provided.
Jamb reinforcement rail: 10 gauge galvanized steel 5" wide, suitable for doors to 46' wide, 3/16" oxide primed plate 5-1/2" wide available for doors wider than 46'. Wood or concrete jamb buildings require a reinforcing plate for operation.
Automatic "knee action" jamb latch: Patented drive shaft driven latch reaches out and pulls door securely closed before motor shuts off. Automatic cane bolt supplied on doors over 40' wide. Single location latches deleted. Safety edge recommended.
Safety edge and photo eye: Avaiable by special order.
Dead-man operating control: NEMA type 1 three button control wired so as to require constant pressure for door to raise or lower.
Up electrical safety disconnect: Completely removes power if limit control fails, standard on 1.5 h.p. and 2 h.p. doors. 1 h.p. doors supplied with circuit overload protection.
Commercial radio control: 3 button control allows door to be opened, stopped and closed or any combination from remote location. Requires Automatic Jamb Latch. Photo Eye or Safety Edge recomennded.
Remote antenna for radio control receiver: Increase range of radio control transmitter. Can be installed outside building.
Automatic cane-bolt: Increases wind-load strength of door frame. Standard on doors over 40' wide.
Standard bi-fold doors: Available for use where Hi-Fold Door high-clearance advantages are not needed.
Walk doors: Standard aluminum frame insulated or heavy-duty steel frame insulated doors with residential grade keyed locksets.
Windows: Standard single glazed sliders or insulated commercial grade slider windows. Fixed sash windows available.
Framed openings: Prepared openings for walk doors and windows. Includes step guard for walk door.
Free standing door frames: Jambs and header supplied when adequate building structure is not available.
Hydraulic Lift Unit: Powerful hydraulic lift system increases door speed for reduced cycle times. Door travels 2-3 times faster than standard gearbox driven doors. Shipped completely assembled, tested and full of oil. Includes safety brake to lock door in position in the event of sudden hydraulic pressure loss. Wired 220 volt single phase. Standard on some sizes.

Because of its continuing program of product improvement, Hi-Fold Door Corporation reserves the right to make changes in specifications and designs without notice or obligation.

Higher Clearance x Higher Quality + More Options = Higher Value