

410 Series concealed overhead door holders/stops



410 Series medium-duty

Glynn-Johnson offers the most complete line of overhead door holders and stops, offering solutions for the most complex door control problems. The 410 Series offers the industry's widest variety of functions, base materials and finishes to fit all medium to light-duty applications.

The perfect combination of form and function, Glynn-Johnson 410 Series holders and stops offer effective door control and a low-profile design. Each model is constructed so that the channel is encased in the door and the jamb bracket is mortised in the frame. When the door is open, the arm and jamb bracket are visible. Conversely, when the door is in the closed position, the entire holder is completely concealed.

These versatile models can be used with most surface-applied door closers. The provided templates allow for variable mounting positions, ranging from 85° to 110° of opening. These templates are designed for installation in almost all types of doors, including doors with conventional butt-type hinges or specialty hinges.

Four models:

- 410H Series hold-open
- 410S Series stop-only
- 410F Series friction hold-open
- 410SE Series special stop-only

Five sizes:

- Simple
- Standardized
- Each model is available in five sizes

One option:

- Soc—Pin-in-socket security screw package

Unmatched convenience:

- Non-handed
- Improved compatibility with door closers
- Single/double-acting doors

- Interior applications
- Durable
- Easy to install
- Improved corrosion resistance

Materials and finishes

All models are available in 300 Series stainless steel, brass and steel substrates. The broadest range of finishes in the industry is provided to complement any design.

Finishes	Description
US3	Polished brass
US4	Satin brass
US10	Satin bronze
US10B	Oil rubbed bronze
US32	Polished stainless steel
US32D	Satin stainless steel
SP4	Powder coast brass
SP10	Powder coat bronze
SP28	Powder coat aluminum
SP313	Powder coat dark bronze
SPBLK	Powder coat black
652	Chrome-like coating

Models

Glynn-Johnson 410 Series holders and stops are designed for medium- to light-duty applications. They're ideal for openings that are subject to normal activity, providing protection for the door, frame, hinges and surrounding walls or obstructions.

All models incorporate the popular channel/slide-arm design and offset jamb brackets. This improved design allows for simple field modification of functions, should user requirements change.

410H Series hold-open

(Suffix H) Hold-open models provide a convenient method of holding the door open at a predetermined position for short or long periods of time, permitting an unobstructed traffic flow. The hold-open tension can be adjusted using an allen wrench through the end of the slider located in the channel mounted in the top of the door.

These models feature a rugged, automatic hold-open mechanism activated when the door is opened to a preset angle. Each model meets the 250,000 test cycles required for Grade 1 classification. The hold-open feature is not selectable, so the door is always held open.

410S Series stop-only

(Suffix S) When the hold-open function is not a requirement, the stop-only function provides an effective method of door control. The stop-only model may be used on fire doors.

410F Series friction hold-open

(Suffix F) Friction hold-open models are ideal for patient room doors, wardrobe and closet doors, or similar applications where multiple hold-open positions are desired. The friction tension can be adjusted using an allen wrench on the slider located in the channel mounted at the top of the door.

410SE Series special stop-only

(Suffix SE) When stop-only models are used in conjunction with single-point, hold-open electronic door closers, the stop-only function may be ordered less the shock-absorbing mechanism. Used as an auxiliary stop, these optional models prolong the life of the closer. The stop location is adjusted using an allen wrench on the stop block located in the channel.

Note: Caution should be taken when using this option in other applications, as the elimination of the shock-absorbing spring can put added stress on the door and frame.

Application information

UL classification

The 410 Series stop-only models are classified by Underwriters Laboratories (UL) as miscellaneous fire door accessories. This classification applies to use on either hollow metal fire doors or wood fire doors. Where wood door manufacturer's listing allows for the cutout required for installation, concealed overhead stops may be used on those wood fire doors. These units may be used on doors of any rating. As a reminder, the miscellaneous fire door accessories (GVUX) section is defined by UL as: "Miscellaneous fire door accessories are intended in the individual Listings. The accessories have been investigated to determine that when installed in accordance with the manufacturer's instructions, the accessories do not adversely affect the fire rating of the fire door and/or fire door frames."

Dead-stop templating

Dead-stop templating is recommended for applications where a wall or similar obstruction is in place at an opening angle of 110° or less (i.e., doors that open back-to-back). Dead-stop templating can be applied to hold-open, stop-only and friction models. The dead-stop position is

the point at which the shock-absorbing spring is fully compressed. Therefore, when dead-stop templating is used, the initial degree of opening will be 5° to 7° less than the dead-stop opening.

Example: If the holder is templated to a 100° dead stop, the door will hold open at an angle between 93° and 95° but no further than 100°.

Note: Do not use dead-stop templating on the 410SE Series since there is no shock-absorbing spring.

Environmental considerations

Environmental factors should always be considered when specifying overhead holders and stops. Doors that are positioned on a building's exterior or subject to corrosive conditions should be equipped with a holder constructed primarily of stainless steel, brass or bronze materials. For interior applications, steel is acceptable, though brass and bronze substrates generally provide a more attractive architectural-grade finish.

Heavy-use applications

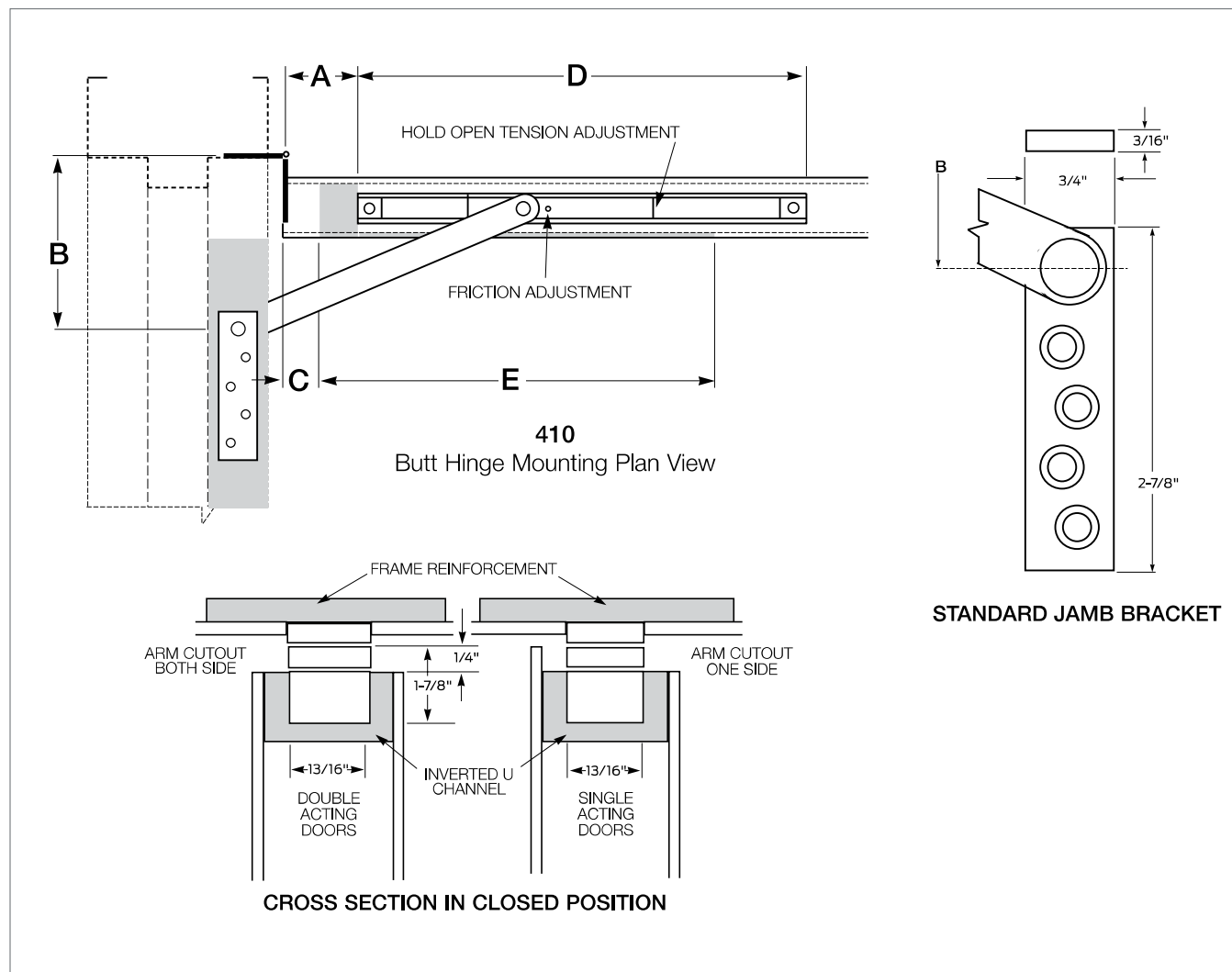
A heavy-duty holder or stop should be considered when doors and frames are subject to heavy, frequent use. Also, heavy-duty units should be considered on exterior doors subject to wind.

Options

Suffix SOC (Pin-in-socket security screw package)

A screw package with pin-in-socket screws for mounting the jamb bracket to the frame is provided instead of the standard screw package.

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410 Series sizing chart

Butts/offset pivots					Center hung			
Size	Door opening	Stop only	Hold open	Friction	Door opening	Stop only	Hold open	Friction
1	18" - 23"	411S	411H	411F	-	-	-	-
2	23 1/16" - 27"	412S	412H	412F	-	-	-	-
3	27 1/16" - 33"	413S	413H	413F	33 1/16" - 39"	413S	413H	413F
4	33 1/16" - 39"	414S	414H	414F	39 1/16" - 45"	414S	414H	414F
5	39 1/16" - 45"	415S	415H	415F	45 1/16" - 51"	415S	415H	415F

Note: This chart illustrates the most common types of hinging and door opening sizes.
For unusual door details, contact Glynn-Johnson for availability.

* Wood doors with automatic flush bolts or roller latches, consult factory.

BHMA/ANSI, A156.8 & Fed. spec. cross reference

G-J model	BHMA*	Fed. spec.
411-106 H	C04511	1166
411-106 S	C04541	1166A
411-106 F	C04531	1164

* First numeral (0) designates optional material.

To specify:
Brass material, change 0 to 1 (i.e. C14511)
Stainless steel material, change 0 to 5 (i.e. C54511)
Steel material, change 0 to 8 (i.e. C84511)

The template information on this page is for reference only and is not intended to serve as an installation template.
For complete dimensional information, refer to Glynn-Johnson template book.



How to order

	<u>41</u>	<u>1</u>	<u>H</u>	—	<u>US10B</u>	—	<u>SOC</u>
Overhead Series:							
41							
Size (door opening using butts or offset pivots):							
1	(18" - 23")						
2	(23 1/16" - 27")						
3	(27 1/16" - 33")						
4	(33 1/16" - 39")						
5	(39 1/16" - 45")						
Function:							
H	Hold-open						
F	Friction hold-open						
S	Stop-only						
SE	Special stop-only						
Finishes:							
US3	Polished brass						
US4	Satin brass						
US10	Satin bronze						
US10B	Oil rubbed bronze						
US32	Polished stainless						
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SP4	Powder coat brass						
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652	Chrome-like coating						
Options:							
SOC	Pin-in-socket security screws						