81 Surface Overhead Door Holders/Stops



81 Series Heavy-Duty

Glynn-Johnson offers the most complete line of overhead holders and stops, providing solutions for the most complex door control problems. These surface-mounted holders and stops offer the most effective shock-absorbing capacity, helping protect doors, frames and hardware.

Glynn-Johnson 81 series holders and stops provide rugged, heavy-duty door control. The jointed-arm design provides the most effective stop mechanism available. The shock absorber bracket is surface mounted, usually with sex bolts. The jamb bracket is mounted to the stop of the frame, so a minimum of door and frame preparation is required.

Two Models:
- 81H Series Hold-Open
- 81S Series Stop-Only

Four Sizes:
- Simple
- Standardized
- Each model is available in four sizes

Three Options:
- J—Angle Jamb Bracket
- SHIM—Blade Stop Shims
- SOC—Pin-in-Socket Security Screw Package

Unmatched Convenience:
- Reversible
- Single-Acting Doors
- Interior/Exterior Applications
- Durable
- Easy to Install

Materials and Finishes:
In Brass, Steel or 300 Stainless Steel, these models offer the broadest range of finishes in the industry, complementing any design. Stainless Steel models offer the highest resistance to corrosion. Available in the following finishes:

Finishes	Description
US3	Polished Brass
US4	Satin Brass
US10	Satin Bronze
US10B	Oil Rubbed Bronze
US32	Polished Stainless Steel
US32D	Satin Stainless Steel
652	Chrome-like Coating

Models

Designed for heavy-duty applications, these models provide long-lasting protection for doors, frames, hardware and surrounding walls or obstructions. They are compatible with most door closers and feature an extremely reliable Hold-Open function and rugged shock absorption. All models feature jointed-arm design and centered jamb bracket.

Designed for heavy-duty applications, 81 series models are ideal for doors that are opened frequently. They provide long-lasting protection to doors, frames, hinges, related hardware and surrounding walls or obstructions.

81H Series Hold-Open

(Suffix H) The Hold-Open model should be used when doors will need to be held open at a preset position for an extended period. This allows unobstructed traffic flow. Hold-Open model provides a selective Hold-Open function. A simple turn of the thumbturn disables the Hold-Open function, allowing the unit to serve as a shock absorbing stop.

The Hold-Open mechanism is selective and may be turned on or off with a simple turn of the thumbturn. In the “off” position, these models act as stops and shock absorbers. In the “on” position, they hold the door open at a preset position between 85º and 110º. The Hold-Open force is not adjustable in the 81H Series.

81S Series Stop-Only

(Suffix S) When the Hold-Open function is not required, the Stop-Only models provide the same effective door control, without the Hold-Open feature. The Stop-Only model may be used on fire doors.

Application Information

UL Classification

The 81 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. 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:

If a wall or similar obstruction is in place at an opening angle of 110º or less (i.e. doors that open back-to-back), Dead Stop Templating should be used for all Hold-Open and Stop-Only models. The Dead Stop position is reached when the shock-absorbing spring is fully compressed. The initial degree of opening will be 5º to 7º less than the Dead Stop opening.

Example: If the holder is templated to 100º Dead Stop, the door will hold open somewhere between 93º to 95º, but no further than 100º.

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 or brass materials. For interior applications, steel is acceptable, though brass substrates generally provide a more attractive architectural-grade finish.

Options

Suffix J (Angle Jamb Bracket):

An option on the 81 series is the "J" angle jamb bracket, which converts the standard model to hinge side mounting (on Stop-Only models) or to flush transom mounting. The angle jamb bracket affixes to the standard jamb bracket. If ordered with unit add suffix J. If need separately order 81J by finish needed.

Suffix SOC (Pin-in-Socket Security Screws):

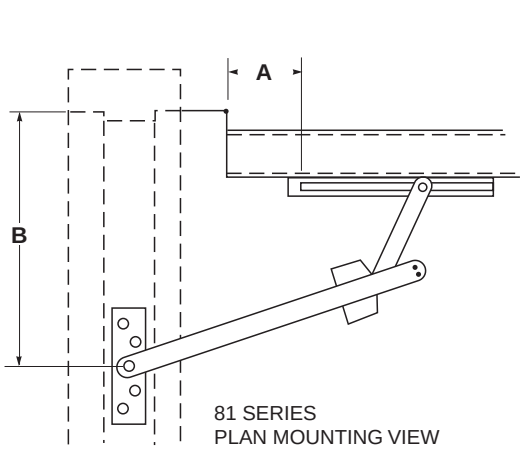
A screw package with pin-in-socket screws for mounting the door bracket and the jamb bracket is provided instead of the standard screw package.

Suffix SHIM (Blade Stop Shims):

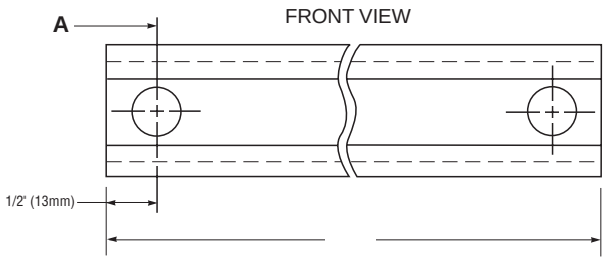
Shim kits are available in 3 sizes
81 SHIM1 is a 1/4" Shim Kit
81 SHIM2 is a 1/2" Shim Kit
81 SHIM3 is a 3/4" Shim Kit

If ordered with overhead, add suffix SHIM (1, 2 or 3). If needed separately order 81 SHIM 1, 2, or 3 by finish needed.

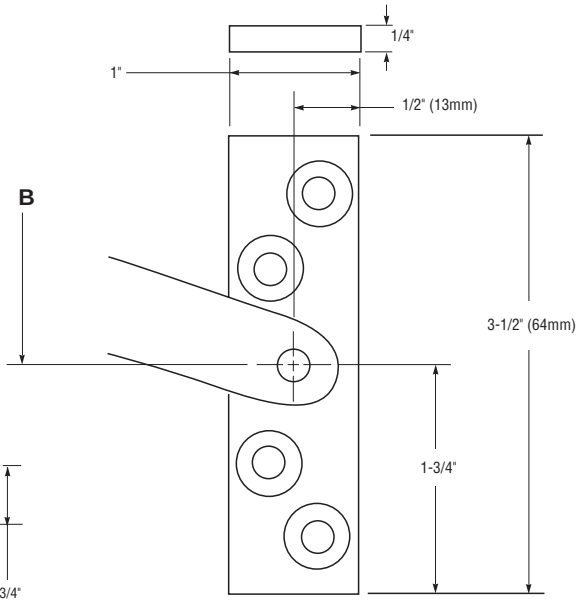
81 Series Surface Overhead Holders/Stops



81 SERIES
PLAN MOUNTING VIEW

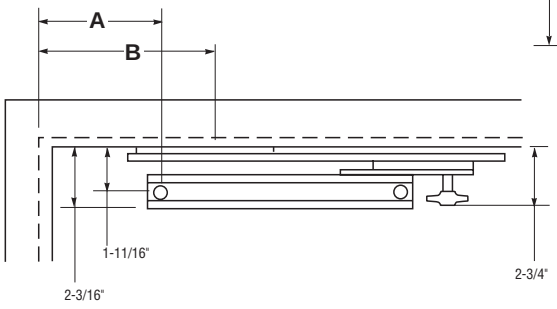


FRONT VIEW



DOOR BRACKET

STANDARD JAMB BRACKET



FRONT ELEVATION

81 Series Sizing Chart

	BUTTS/OFFSET PIVOTS			CENTER HUNG		
SIZE	DOOR OPENING	STOP ONLY	HOLD OPEN	DOOR OPENING	STOP ONLY	HOLD OPEN
1	-----	-----	-----	-----	----	----
2	-----	-----	-----	-----	-----	-----
3	27-1/16"–33"	813S	813H	33-1/16"–39"	813S	813H
4	33-1/16"–39"	814S	814H	39-1/16"–45"	814S	814H
5	39-1/16"–45"	815S	815H	45-1/16"–51"	815S	815H
6	45-1/16"–51"	816S	816H	51-1/16"–59"	816S	816H

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

BHMA/ANSI, A156.8 & FED. Spec. Cross Reference

G-J Model	BHMA*	FED. Spec.
813-816 H	C03511	G-J 80
813-816 S	C03541	G-J 80

** First numeral (0) designates optional material.*

To specify:
Brass material, change 0 to 1 (i.e. C13511)
Stainless Steel material, change 0 to 5 (i.e. C51511)
Steel material, change 0 to 8 (i.e. C83511)

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:

81 4 H – US32D – SOC

Overhead Series:
- **81**

Size (Door Opening Using Butts or Offset Pivots):
- **3** (27-1/16" –33")
- **4** (33-1/16"–39")
- **5** (39-1/16"–45")
- **6** (45-1/16"–54")

Function:
- **H** Hold-Open
- **S** Stop-Only

Finishes:
- **US3** Polished Brass
- **US4** Satin Brass
- **US10** Satin Bronze
- **US10B** Oil Rubbed Bronze
- **US32** Polished Stainless Steel
- **US32D** Satin Stainless Steel
- **652** Chrome-like Coating

Options:
- **J** Angle Jamb Bracket
- **SHIM** Blade Stop Shims—
  - SHIM1–1/4" Kit
  - SHIM2–1/2" Kit
  - SHIM3–3/4" Kit
- **SOC** Pin-in-Socket Security Screws