

Overhead Holders & Stops

Installation Methods - Concealed vs. Surface



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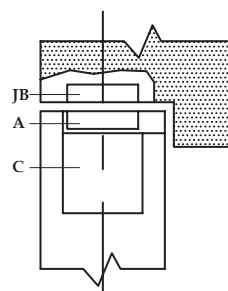
Concealed mount requires cut-outs in both the frame and door for installation. Surface mounted overhead holders mount on the face of the soffit and the face of the door, making it an easier installation for existing openings.

A	= Arm
AJB	= Angle Jamb Bracket
C	= Channel
JB	= Jamb Bracket

Concealed Mount Installation

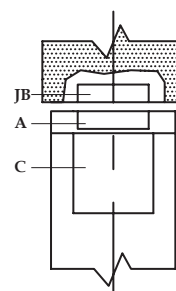
Example 1 – Single - Acting Doors

- Jamb bracket mortised into soffit (JB)
- Arm cut-out on stop side of door only (A)
- Channel mortised into top of door (C)



Example 2 – Double - Acting Doors

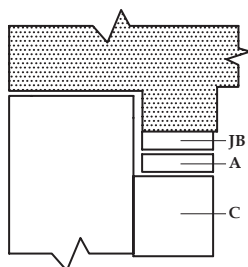
- Jamb bracket mortised into soffit (JB)
- Arm cut-outs on both sides of door (A)
- Channel mortised into top of door (C)



Surface Mount Installation

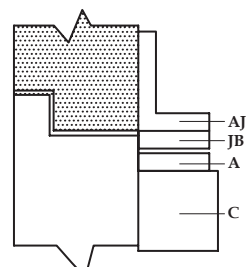
Example 3 – Standard (push side)

- Jamb bracket mounts on top of soffit (JB)
- Channel mounts to the face of the door (C)



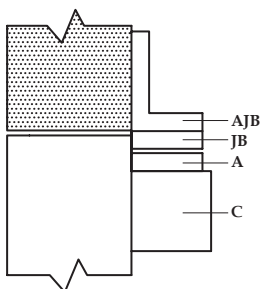
Example 4 – Rabbeted Door (push side)

- Angle jamb bracket mounts to the face of the header (AJB)
- Jamb bracket attaches to the angle jamb bracket (JB)
- Channel mounts to the face of the door (C)



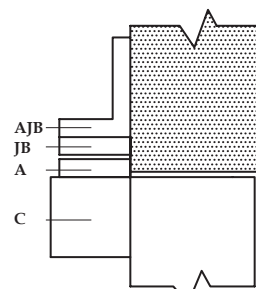
Example 5 – Flush Door (push side)

- Angle jamb bracket mounts to the face of the header (AJB)
- Jamb bracket attaches to the angle jamb bracket (JB)
- Channel mounts to the face of the door (C)



Example 6 – Pull Side Installation

- Angle jamb bracket mounts to the face of the header (AJB)
- Jamb bracket attaches to the angle jamb bracket (JB)
- Channel mounts to the face of the door (C)



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Options

"AJB" - Angle Jamb Brackets

Available for most surface mount models – converts standard installation to pull side mount or push side flush mount mounting (see page B-3 for details).

They are also available separately, as a part.

- **44443** – 3300A & 4400 Series
- **70377** – 7000 Series
- **90541** – 8000, 9000 & 9000A Series

"CL" - For Use with Cam Lift Hinges

Custom unit for use with cam lift hinges (½" maximum door lift)

"HC" - Hold Closed

Special mechanism is integrated into the overhead stop holding the door closed at 0° and essentially doubling as a roller latch (available for stop function only). Hold-closed mechanism can be disengaged.

"LL" - Lead Lined

Lead is provided to cover where mounting holes will pierce lead on lead-lined doors.

"LS" - Less Spring

Typically used with a single point electronic door closer, overhead stop is supplied without the shock absorbing spring (stop function only).

"N" - All Stainless Steel (Non-Ferrous) Components

Designed for use in wet environments - all stainless steel or non-ferrous components are provided with the unit, including all internal components and screws.

"SEC" - Security Fasteners

Security fasteners are provided in lieu of standard fasteners for all exposed mounting holes – specify door and frame material when ordering.

"SNB" - Sex Bolts

Sex bolt fasteners are added to 3500 series surface mount model screw pack, as they are not supplied standard.

"T" - Threaded Pivot Screw and Nylon Washer in Lieu of Jamb Bracket

Typically used when space is limited in the frame head for installation or when installing a concealed model in an existing frame with minimal field prep.

"THICK" - Door Thickness other than 1-¾"

Custom fasteners will be supplied to accommodate various door thicknesses other than 1-¾" – specify door thickness.

"SPECIAL" - Special Layout

ABH can provide custom units for countless non-standard applications. See page B-6 for order form or contact factory for assistance.

Overhead Holder Options - Compatibility Chart											
Series		AJB	CL	HC	LL	LS	N	SEC	SNB	T	SPECIAL
Concealed Mount	1000			•	•	•	•	•		•	•
	1000A			•	•	•	•	•			•
	1000SL				•	•	•	•		•	•
	1000SA				•	•	•	•			•
	4000			•	•		•	•		•	•
Surface Mount	3300A	•	•	•	•	•	•	•		•	•
	3400			•	•	•	•	•			•
	3500				•			•	•		•
	4400	•	•	•	•	•	•	•		•	•
	7000	•			•		•	•			•
	HD7000				•		•	•			•
	8000	•			•	•		•			•
	9000	•	•	•	•	•	•	•		•	•
	9000A	•	•	•	•	•	•	•		•	•



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4400 Series Surface Mount, Medium Duty



Standard Features

- Surface mount
- Medium duty
- Stop, hold-open and friction functions available
- Single acting doors only
- Non-handed
- For interior use on moderate traffic and medium weight doors
- Standard installation from 85° to 110° of opening (5° increments)
- Shock absorbing spring provides 3° to 5° cushion before dead-stop
- Standard fasteners supplied with sex bolts for 1-3/4" to 1-7/8" thick door (see options for other door thicknesses)
- UL Listed as Miscellaneous Fire Door Accessories for use on wood fire doors rated up to 90 minutes and metal fire doors rated up to 3 hours (stop function only)
- Average weight per unit = 2 lbs.

Door Frame Opening		Model Number		
Hinges, Swing Clear, Offset Pivots	Center Hung	Hold Open	Stop	Friction
18" - 23-15/16"	22" - 27-7/16"	4411	4421	4431
24" - 29-15/16"	27-1/2" - 33-7/16"	4412	4422	4432
30" - 35-15/16"	33-1/2" - 38-15/16"	4413	4423	4433
36" - 48"	39" - 48"	4414	4424	4434
ANSI Code		C05511	C05541	C05531

Options Available

(see page B-5 for details)

- **THICK** - Fasteners for doors other than 1-3/4" to 1-7/8" thick - Specify door thickness
- **SEC** - Security fasteners
- **AJB** - 44443 Angle jamb bracket for pull side mount or push side flush mount
- **LL** - For lead-lined door applications
- **LS** - Less shock-absorbing spring for special applications
- **N** - All stainless steel (non-ferrous) components for wet environments to prevent corrosion
- **T** - Jamb bracket is replaced with a threaded pivot screw and nylon washer
- **HC** - Hold closed
- **CL** - For use with cam lift hinges
- **HC** - Hold Closed
- **SPECIAL** - Contact ABH if the dimensions, hardware or specifications differ from what is shown on the template or if additional hardware is being used at the top of the door. A custom application and/or unit may be required.
- If using a closer, please go to our website and reference "ABH Overhead Holder & Stop Compatibility Chart" to determine possible conflict.

Material

- **Stainless steel** is the standard base material for arm, channel and jamb bracket for all finishes.

Specify When Ordering

- Model Number
- Finish
- Option(s), if applicable



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