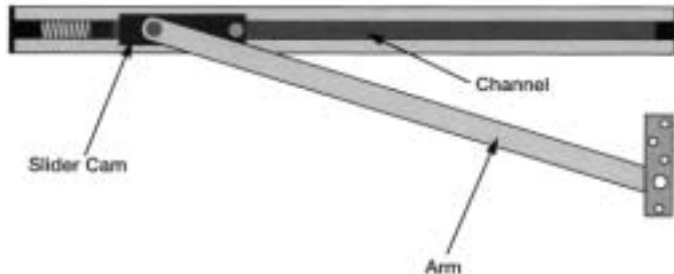


Checkmate® Overhead Holders and Stops



General Information

Overhead stops are used to protect door assemblies. They cut down the wear and tear of frequency, closing mechanisms, wind gusts, abuse and vandalism. By limiting door travel, they can add years to the life of the door, frame, and hanging means. Overhead holders and friction stays add convenience for the end user who already appreciates the need for the overhead stop.

Standard Features

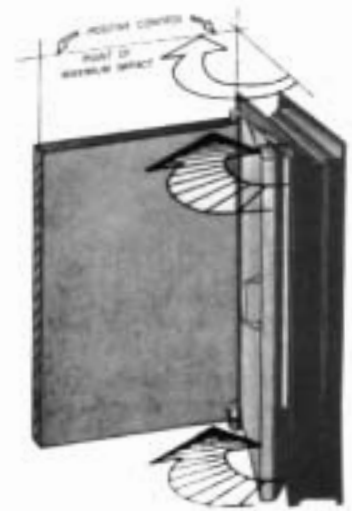
- Non handed.
- Standard duty product has multiple functions in a single model (stop, friction and hold open).
- Non-metal slider eliminates door movement noise.
- Standard duty and heavy duty models available.
- New design standard duty units make templating easier than ever before.
- Standard duty models allow you to select any degree of stop you choose up to 110° (after templating).
- Unique door and frame problems can be solved with our library of more than 300 special layouts.
- All units come with appropriate fasteners for any door material.
- Torx fasteners optional.
- All models comply to ANSI 156.8 Grade 1, see individual model description for exact match.
- Available in standard architectural and popular sprayed finishes.

Definitions

- Friction Stay—Adjustable resistance to door opening.
- Hold Open—A positive hold state, even when used with optional closing devices. Not for use on labeled openings.
- Stop—Keeps doors from traveling past a specified point.

Closer-Holder Packages

Recommended For Absolute door control-top and bottom-with a single packaged system for high traffic volume, entrance and exit conditions. Single source responsibility saves money; simplifies specification; eliminates coordination of templates.



Combinations Available

A dependable Rixson 20, 25, 27, 28 or 30-40 Series Closer—teamed with a “rugged” CheckMate® No. 1, 8, or 9 Series Overhead Holder eliminates door and frame damage caused by racking and twisting.

The combination closer-holder package cushions and dead stops the door top and bottom, at the selected degree of the opening. The hold-open function is controlled by the holder and will be approximately 5° to 7° less than dead stop desired. The 27, 28, 30 and 40 closer-holder combination is coordinated to dead stop at the same degree. The impact of opening is absorbed by the shock spring in the holder at the top, and the hydraulic backcheck and dead stop in the floor closer at the bottom of the door.

Ordering Information

To order a combination package, order the appropriate closer by number and degree of stop (i.e. 27-105). Order the stop/holder based on the duty rating and application. The degree of opening for stops/holders is determined by templating and should match the closer when installed.

Hold open features are often incorporated into certain door closers, but the function is best performed by a separated holder and stop, with a built in shock compression spring.

Overhead Holders

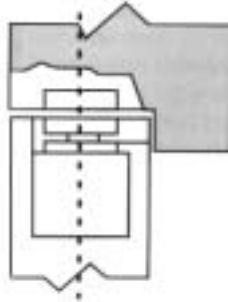
**Typical Applications
Concealed Mounting**

**Method A - Standard
Installation, Single Acting**

Nos. 1, 2, 6 Series

For single acting doors, the jamb bracket is mortised into the frame and the channel mortised into the top of the door. Both the bracket and channel are secured with wood or machine screws.

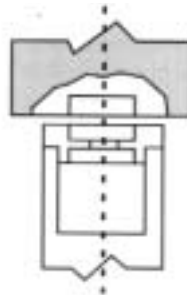
A cut for the arm is required on the stop side of the door only. A hole must be drilled for the control knob of the No. 1 Series holder only.



**Method B - Standard
Installation, Double Acting**

Nos. 1, 2, 6 Series

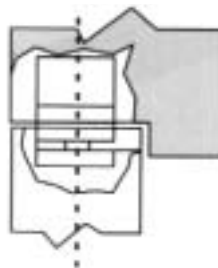
For double acting spring hinge and center hung floor closer or pivot applications. Mounting is similar to Method A, with the exception that the cut out for the arm is required on both sides of the door.



**Method C - Inverted
Installation, Single Acting**

No. 2 Series

Recommended for doors with minimum top rail depth. The arm and jamb bracket are mortised into the door, and the channel installed in the header with wood or machine screws. A cut out for the arm is required only on the stop side of the door.



**Method D - Rabbeted Door
Installation, Single Acting**

No. 2 Series

This method is designed for 1-3/4" doors with 1/2" maximum rabbet. The jamb bracket is mortised into the door. Wood or machine screws are used for fastening. The cut out for the arm is required on the stop side of the door only.

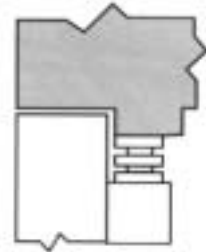


Surface Mounting

**Method No. 1 -
Standard Installation (Push
side of door)**

Nos. 8HD, 9, 10 Series

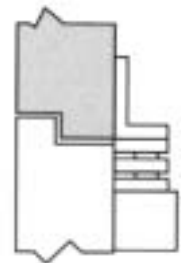
The jamb bracket mounts on the stop strip with wood or machine screws. The channel or door bracket mounts with sex bolts.



**Method No. 2 -
Rabbeted Door Installation
(Push side of door)**

Nos. 8HD, 9, 10 Series

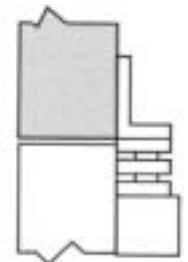
A special angle jamb bracket adapter mounts on the header with wood, machine screws or sex bolts. The jamb bracket attaches to the adapter with machine screws. The channel fastens to the door with sex bolts.



**Method No. 3 -
Flush Door Installation (Push
side of door)**

Nos. 8HD, 9, 10 Series

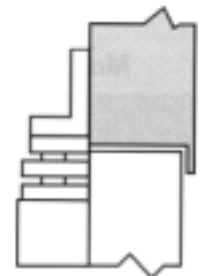
This method of installation is identical to Method No. 2 for Rabbeted Doors.



**Method No. 5 -
Reverse Installation
(Pull side of door)**

Nos. 9, 10 Series

The jamb bracket adapter is secured to the header with wood or machine screws. The jamb bracket fastens to the adapter with machine screws and the channel mounts on the door with sex bolts.



Heavy Duty 1 Series

Concealed mount - interior or exterior doors



Standard Features

- Doors may be single or double acting.
- Non-handed.
- Slide track design.
- For use on exterior and interior doors.
- Recommended for high traffic, heavy abuse installations.
- Heavy shock absorber spring provides 5°-7° compression before dead stop.
- Surface on/off knob on hold open models.
- Stop, friction stay or hold open functions.
- Complete screw packet allows for wood or metal door and frame applications.
- For security areas, torx screws optional.
- Standard architectural finishes.
- Non-metal slide block and shock block.
- 110° maximum opening.
- 1-3/4" minimum door thickness, for thicker doors, note thickness when ordering.
- LS option (less spring) available for doors being used with electromechanical closers & floor closers with dead stop.
- ANSI No.:
H.O.—C01511
Stop—C01541
- Available in a variety of sprayed, architectural and stainless steel finishes including 605 and 630.

Door Opening Chart (in inches)

Butts Offset Pivots	Center Hung Pivots	Model number		
		Friction	H.O.	Stop
*24-28	—	1-116	1-126	1-136
28-1/16-33	30-36	1-216	1-226	1-236
33-1/16-38	36-1/16-41	1-316	1-326	1-336
38-1/16-43	41-1/16-46	1-416	1-426	1-436
43-1/16-48	46-1/16-50	1-516	1-526	1-536

*Butt hung only on this size door.

Standard Duty 2 Series

Concealed mount - interior or exterior doors



Standard Features

- Doors may be single or double acting.
- Non-handed.
- Slide track design.
- For use on exterior and interior doors.
- Recommended for medium traffic, medium weight doors.
- Degree of opening is fully adjustable and can be adapted to changing needs.
- Heavy shock absorber spring provides 5°-7° compression before deadstop.
- Multi-function slider for field selection of hold-open, friction stay or stop only.
- Complete screw packet allows for installation in wood or metal door and frame.
- Torx screws available but, heavy duty units should be considered for high security applications.
- Standard architectural finishes.
- Non-metal slide block and shock block.
- 110° maximum opening.
- ANSI No.:
Friction—C04511
H.O.—C04531
Stop—C04541
- Available in a variety of sprayed, architectural and stainless steel finishes including 605, 630, 652 and 689.

Door Opening Chart (in inches)

Butts Offset Pivots	Center Hung Pivots	Model number
24-1/16-30	27-32	2-246
30-1/16-36	32-1/16-38-1/2	2-346
36-1/16-42	38-9/16-45	2-446
42-1/16-48	45-1/16-48	2-546

*Butt hung only on this size door.

Overhead Holders

Heavy Duty 4 Series

Surface mount—interior or exterior doors



Standard Features

- Single acting.
- Non-handed.
- Rod design.
- For use on interior or exterior doors.
- Recommended for industrial areas.
- Hold open and stop combined.
- Shock absorber.
- Metal screws and sex nuts and bolts.
- Standard architectural finishes.
- 110° maximum opening.
- ANSI No.:
H.O./Stop—C08511
- Available in a variety of sprayed and architectural finishes including 689.

Door Opening Chart (in inches)

Butts Offset Pivots	Model Number Hold Open and Stop
29-34-1/2	4-126
35-40-1/2	4-226
41-46-1/2	4-326
47-53	4-426

Heavy Duty 6 Series

Concealed mount—interior or exterior doors



Standard Features

- Low profile concealed channel slide track design.
- Stop function with hold open adapter kit.
- Designed for installation in aluminum door webbing.
- Non-handed.
- Heavy shock absorber spring provides 5°-7° compression before deadstop.
- Complete screw packet allows for wood or metal door and frame.
- Standard architectural finishes.
- Non-metal slide block.
- 110° maximum opening.
- 1-3/4" minimum door thickness.
- ANSI No.:
H.O.—C04511
Stop—C04541
- Available in a variety of sprayed, architectural and stainless steel finishes including 630.

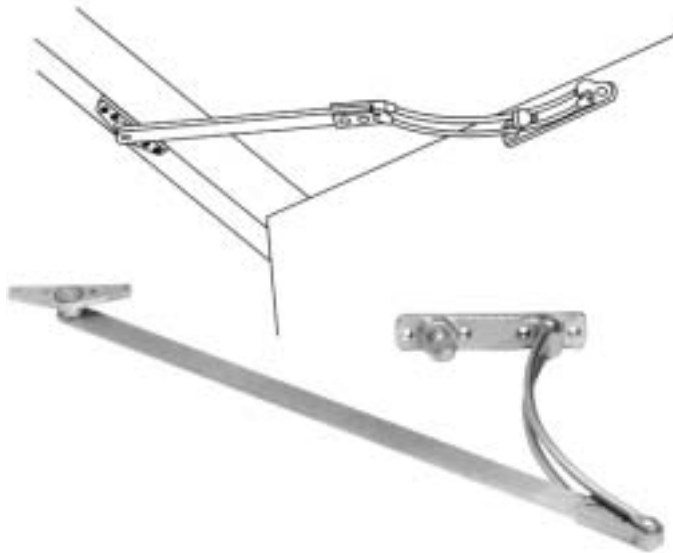
Door Opening Chart (in inches)

Butts Offset Pivots	Center Hung Pivots	Model Number
*24-28	—	6-146
28-1/16-33	30-36	6-246
33-1/16-38	36-1/16-41	6-346
38-1/16-43	41-1/16-46	6-446
43-1/16-48	46-1/16-50	6-546

**Butt hung only on this size door.*

Heavy Duty 7 Series

Surface mount—interior or exterior doors



Standard Features

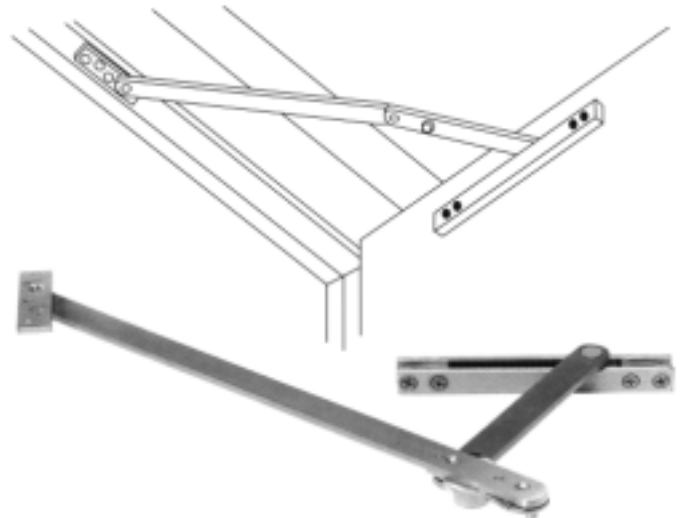
- Single acting.
- Non-handed.
- Cantilever design.
- Double spring arm absorbs shock.
- Self lubricating bronze bearings.
- Sprayed finishes only.
- Complete screw packet allows for installation on wood or metal door and frame.
- 110° maximum opening.
- ANSI No.:
H.O./Stop—C09511.
- Available in a variety of sprayed finishes including 689.

Door Opening Chart (in inches)

Butts Offset Pivots	Model number Hold Open and Stop
24-30	7-126
30-1/16-34	7-226
34-1/16-39	7-326
39-1/16-48	7-426

Heavy Duty 8HD Series

Surface mount—interior or exterior doors



Standard Features

- Single acting doors.
- Non-handed.
- Pivot design.
- For use on exterior or interior doors.
- Recommended for high traffic, heavy abuse installations.
- Heavy shock absorber spring provides 6° compression before dead stop.
- Fingertip hold open or stop only.
- Complete screw packet allows for wood or metal door and frame.
- For security areas torx screws, optional.
- Standard architectural finishes.
- 110° maximum opening.
- 1-3/4" minimum door thickness.
- To mount on pull side of door use angle bracket 5458 LH or 5459 RH.
- ANSI No.:
H.O.—C04531
Stop—C04541
- Available in a variety of powder-coat, architectural and stainless steel finishes including 626.

Door Opening Chart (in inches)

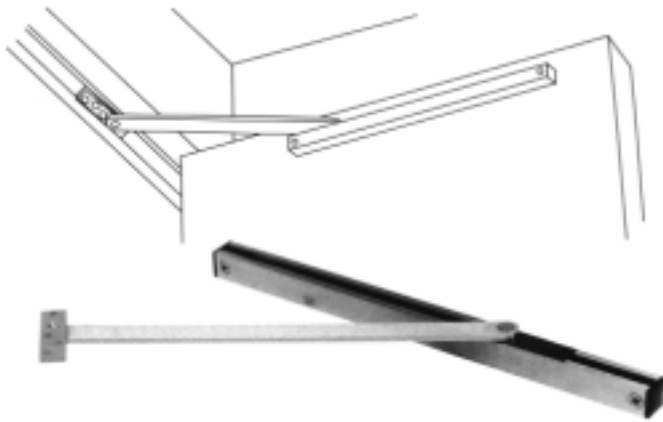
Butts Offset Pivots	Center Hung Pivots	Model Number H.O.	Model Number Stop
*24-27	26-29-1/2	8-126	8-136
27-1/16-32-1/2	29-9/16-35	8-226	8-236
32-9/16-38-3/4	35-1/16-41-1/2	8-326	8-336
38-13/16-42-1/2	41-9/16-45	8-426	8-436
42-9/16-48	45-1/16-48	8-526	8-536

*Butt hung only on this size door.

Overhead Holders

Heavy Duty 9 Series

Surface mount—interior or exterior doors



Standard Features

- Non-handed.
- Slide track design.
- Recommended for high traffic, heavy abuse installations.
- Heavy shock absorber spring provides 5°-7° compression before dead stop.
- On/off knob on hold open models.
- Stop, friction stay or hold open function.
- Complete screw packet allows for installation in wood or metal door and frame.
- For security areas, torx screws optional.
- Standard architectural finishes.
- Non-metal slide block and shock block.
- 110° maximum opening.
- 1-3/4" minimum door thickness.
- LS option (less spring) is available for doors being used with electro-mechanical closers and floor closers with dead stop.
- To mount on pull side of door use bracket 5458 LH or 5459 RH.
- ANSI No.:
H.O.—C02511
Stop—C02541
- Available in a variety of sprayed, architectural and stainless steel finishes including 605 and 630.

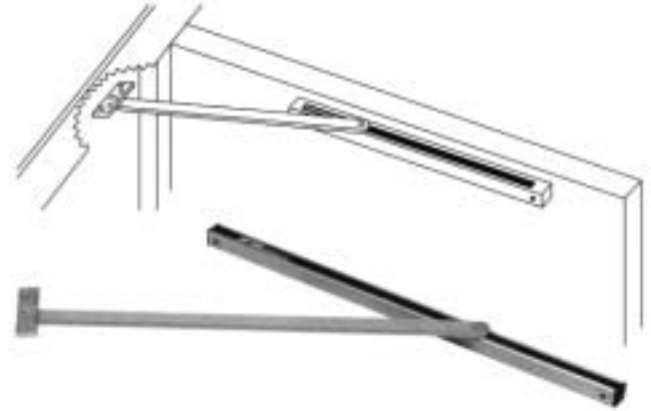
Door Opening Chart (in inches)

Butts Offset Pivots	Center Hung Pivots	Model Number		
		Friction	H.O.	Stop
*24-28	25-1/2-30	9-116	9-126	9-136
28-1/16-33	30-1/16-36	9-216	9-226	9-236
33-1/16-38	36-1/16-41	9-316	9-326	9-336
38-1/16-43	41-1/16-46	9-416	9-426	9-436
43-1/16-48	46-1/16-50	9-516	9-526	9-536

*Butt hung only on this size door.

Standard Duty 10 Series

Surface mount—interior or exterior doors



Standard Features

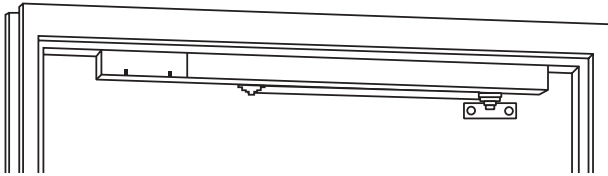
- Single acting doors.
- Non-handed.
- Slide track design.
- Recommended for medium traffic, medium weight doors
- Degree of opening fully adjustable and can be adapted to changing needs.
- Heavy shock absorber spring provides 5°-7° compression before deadstop.
- Multi-function slider for field selection of hold-open, friction stay or stop only.
- Complete screw packet allows for installation in wood or metal door and frame.
- Torx screws available but, heavy duty units should be considered for high security applications.
- Standard architectural finishes.
- Non-metal slide block and shock block.
- 110° maximum opening.
- To mount on pull side of door use angle bracket 5258.
- ANSI No.:
Friction—C05511
H.O.—C05531
Stop—C05541
- Available in a variety of sprayed, architectural and stainless steel finishes including 605, 630 and 652.

Door Opening Chart (in inches)

Butts Offset Pivots	Center Hung Pivots	Model Number
		10-146
18-24	21-26-1/2	10-146
24-1/16-30	26-9/16-32	10-246
30-1/16-36	32-1/16-38	10-346
36-1/16-42	38-1/16-45	10-446
42-1/16-48	45-1/16-48	10-546

Electro-Mechanical Hold Open 99 Series

Surface mount – interior doors



Standard Features

- Single-action.
- Non-handed.
- Used with independent closers.
- 85° - 110° hold open.
- Push side or pull side.
- Detected or non-detected.
- 24VAC/24VDC (.090 Amps@24V) or 120 VAC (.018@120V).
- For doors 32" - 54" wide.
- Surface or concealed wiring.
- UL listed door holder.
- Available in a variety of sprayed finishes including 689.

Models/ANSI

MODEL NUMBERS

	DETECTED	NON-DETECTED
Push Side Mount	99-626	99-726
Pull Side Mount	99-826	99-926

ANSI NUMBERS

	DETECTED	NON-DETECTED
Push Side Mount	C00521	C00511
Pull Side Mount	C00481	C00471

Overhead Holders

During 1997, Rixson re-designed and improved the Checkmate® Series. The functions of some models were combined to offer greater flexibility and additional options. If you are replacing an

old model, there may be some templating changes. Consult us if you have any questions concerning older Checkmate® holders and stops.

Checkmate® Conversion Chart

OLD MODEL NUMBER(S)	NEW MODEL NUMBER	OLD MODEL NUMBER(S)	NEW MODEL NUMBER
1-111, 1-113	1-116	8-1211, 8-1221	8-226
1-211, 1-213	1-216	8-2211, 8-2221	8-326
1-311, 1-313	1-316	8-3211, 8-3221	8-426
1-411, 1-413	1-416	8-4211, 8-4221	8-526
1-511, 1-513	1-516	8-0311, 8-0321	8-136
1-211, 1-213	1-126	8-1311, 8-1321	8-236
1-221, 1-223	1-226	8-2311, 8-2321	8-336
1-321, 1-323	1-326	8-3311, 8-3321	8-436
1-421, 1-423	1-426	8-4311, 8-4321	8-536
1-521, 1-523	1-526	9-111, 9-113	9-116
1-131, 1-133	1-136	9-211, 9-213	9-216
1-231, 1-233	1-236	9-311, 9-313	9-316
1-331, 1-333	1-336	9-411, 9-413	9-416
1-431, 1-433	1-436	9-511, 9-513	9-516
1-531, 1-533	1-536	9-121, 9-123	9-126
3-111, 3-121, 3-131, 5-113, 5-123, 5-133	2-146	9-221, 9-223	9-226
3-211, 3-221, 3-231, 5-213, 5-223, 5-233	2-246	9-321, 9-323	9-326
3-311, 3-321, 3-331, 5-313, 5-323, 5-333	2-346	9-421, 9-423	9-426
3-411, 3-421, 3-431, 5-413, 5-423, 5-433	2-446	9-521, 9-523	9-526
3-511, 3-521, 3-531, 5-513, 5-523, 5-533	2-546	9-131, 9-133	9-136
4-12	4-126	9-231, 9-233	9-236
4-22	4-226	9-331, 9-333	9-336
4-32	4-326	9-431, 9-433	9-436
4-42	4-426	9-531, 9-533	9-536
7-12	7-126	33-111, 33-121, 33-131, 55-113, 55-123, 55-133	10-146
7-22	7-226	33-211, 33-221, 33-231, 55-213, 55-223, 55-233	10-246
7-32	7-326	33-311, 33-321, 33-331, 55-313, 55-323, 55-333	10-346
7-42	7-426	33-411, 33-421, 33-431, 55-413, 55-423, 55-433	10-446
8-0211, 8-0221	8-126	33-511, 33-521, 33-531, 55-513, 55-523, 55-533	10-546