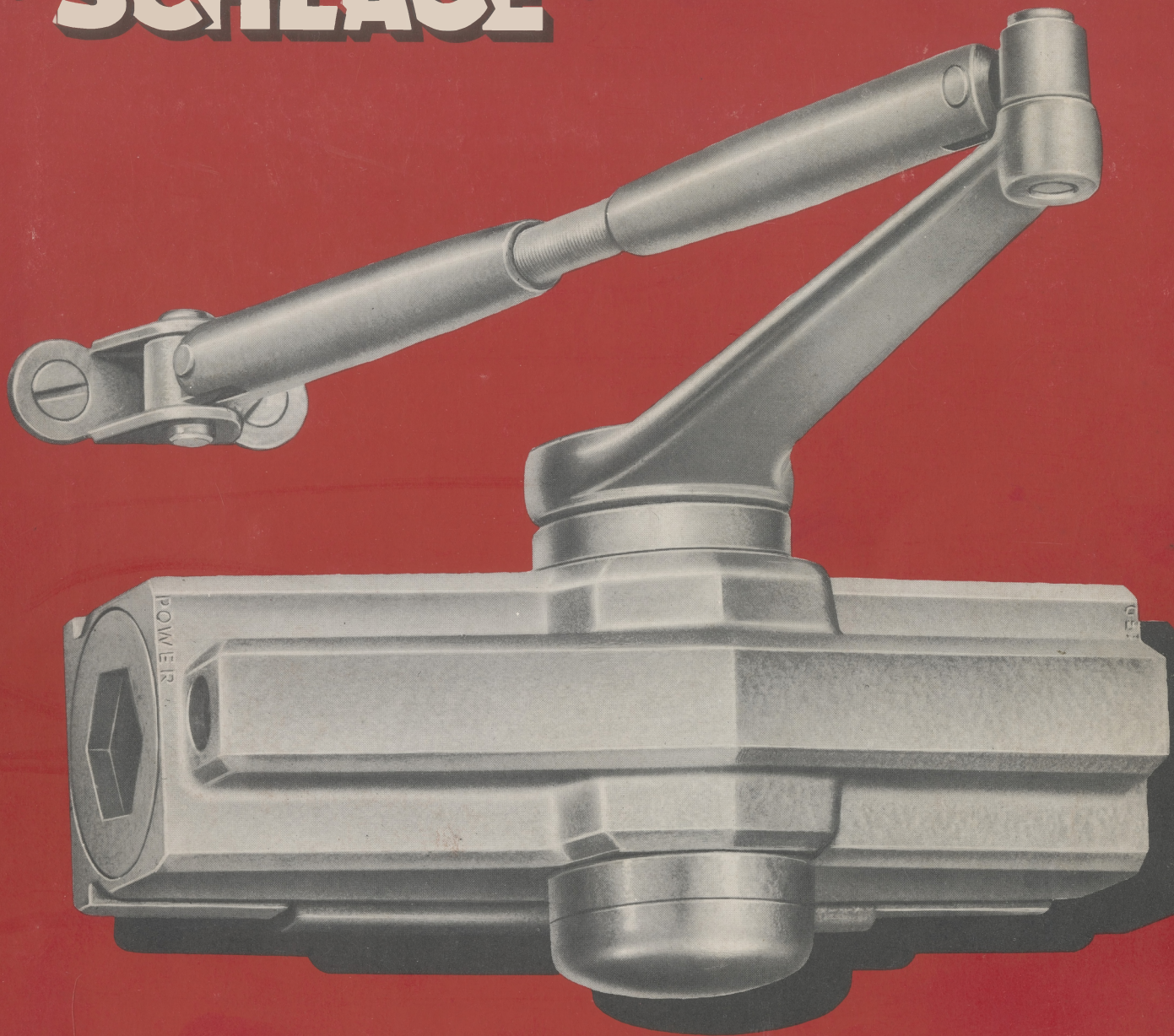


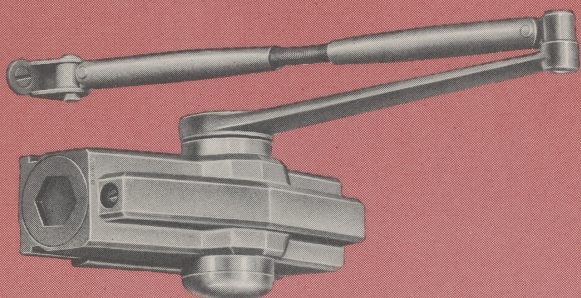
SCHLAGE



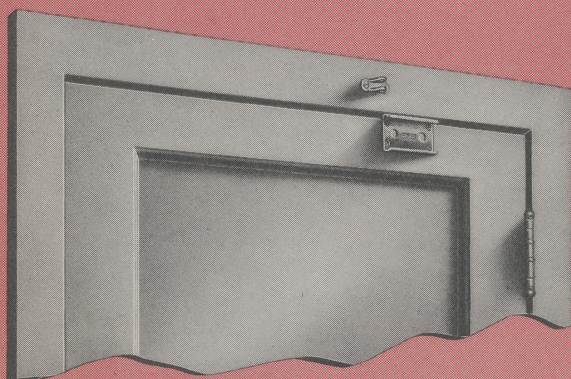
DOOR CLOSERS

BALANCED DESIGN — DEPENDABLE PERFORMANCE

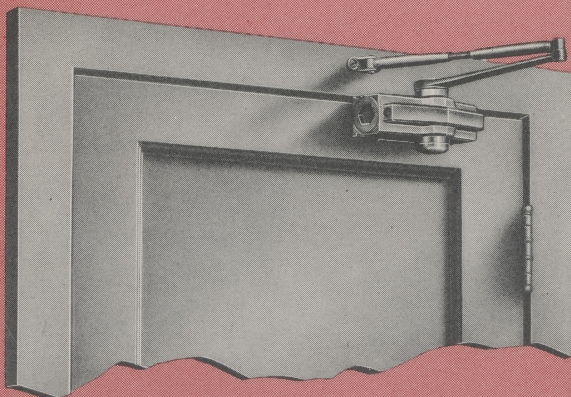
ZENITH DESIGN



The overall rectangular appearance of the Zenith design harmonizes with the horizontal lines of door and frame.



Installation is greatly simplified by separate mounting plate securely applied to door with four wood screws or thru bolts. Closer is then easily slipped into place. Arm is attached to shoe by a solid steel coupling pin.



When installation is completed, Closer is held firmly in mounting plate by self-locking machine screws.

COMPACT LIGHTWEIGHT CASE

A new principle in mechanical arrangement of working parts has made possible the compactness and balanced design of the Schlage Door Closer. It harmonizes perfectly with modern architectural style and occupies the minimum amount of space. The case measures 2" high, 7½" long, and 3½" projection when mounted. Including arm and shaft cover, the overall height is 3¾".

Available finishes are light gray, brown and prime coat. The gray harmonizes with chrome or aluminum, and the brown with brass or bronze. Both finishes are produced by a "hammertone lacquer." This provides a rich-textured surface that has sparkle and depth. Hammertone lacquer dries to a hard smooth finish that is chip-resistant and easy to clean.

Made of aluminum to provide lightness and durability, the Door Closer body castings are poured by hand into accurately machined metal molds. Only prime quality aluminum alloys are used.

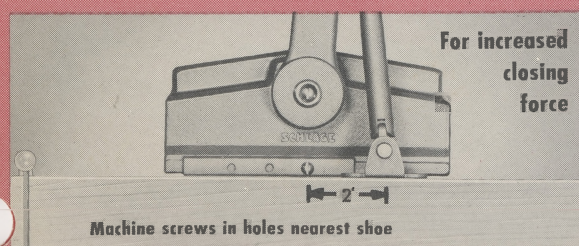
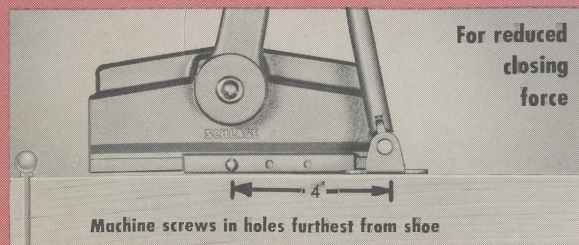
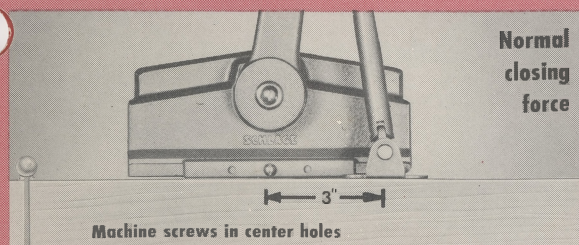
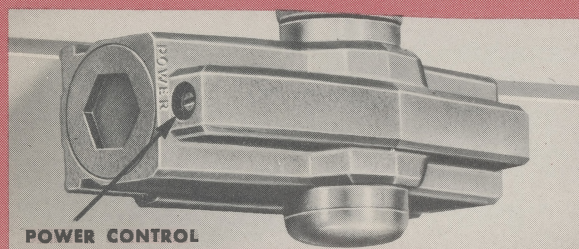
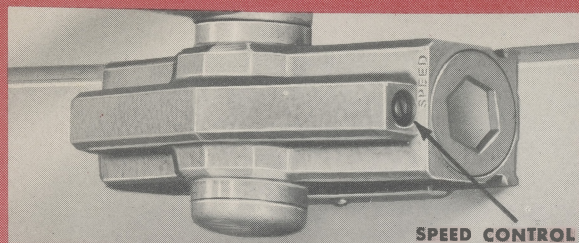
Schlage Closers are made in 3 sizes — B, C, and D, all having the same size case. This permits uniform appearance throughout a building.

GUARANTEE

Schlage Door Closers are fully guaranteed against mechanical failure for a period of two years provided proper size of Closer has been selected and same is correctly installed.

SCHLAGE

CONVENIENT SPEED AND POWER ADJUSTMENTS



SIMPLIFIED CONTROLS

Two separate adjusting screws control the speed of closing.

SPEED CONTROL: The speed screw controls the rate of closing in the swinging range of the door up to the point of final closing.

POWER CONTROL: The power screw controls the latching or final closing of the door.

Each screw works independently so that any combination of swinging and latching speeds can be obtained; for example, a slow swing and a fast latch, or a fast swing and a slow latch, etc. All Schlage Closers have built-in backchecking action unless ordered otherwise. Backcheck occurs at 85° when Closer is mounted for 110° opening.

CLOSING POWER

The closing power of the Closer may be increased by unscrewing the power valve slightly. This allows the full unchecked force of the spring to be applied to the door at the time it is most needed to overcome latch and draft resistance. This adjustment has the advantage of not affecting either the swinging speed of the door or the force required to open the door. The latter point is important when either small children or aged persons must be considered.

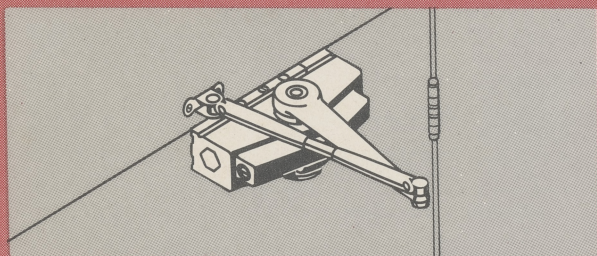
CLOSING FORCE

The closing force may be adjusted by utilizing the 3 positions in the mounting plate as illustrated at left. Moving the Closer nearer to the hinge decreases the closing force and provides easier opening when this is desirable. Moving the Closer away from the hinge increases closing force. This is helpful in overcoming excessive wind or draft conditions.

SCHLAGE

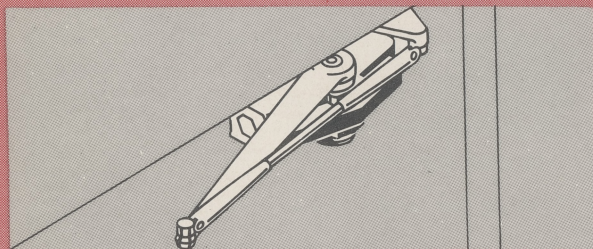
VERSATILE IN APPLICATION

THE DOUBLE-ENDED SHAFT MAKES POSSIBLE MANY



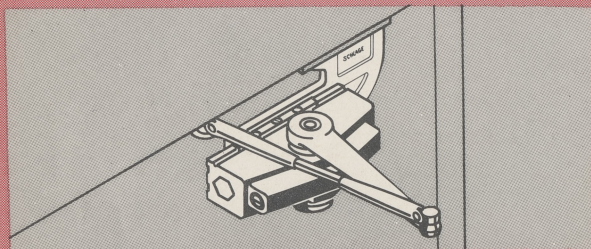
STANDARD SURFACE INSTALLATION

The normal surface application is on the hinge side of the door. The Closer is installed on the door, and the shoe is installed on the head jamb.



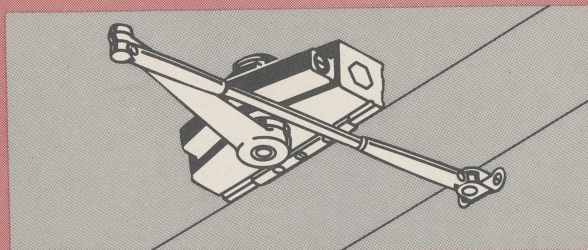
PARALLEL ARM INSTALLATION

Where there is insufficient room between doors to accommodate the projection of the arm using a regular bracket, the parallel arm may be used. This special installation reduces the effective closing power of the Closer, therefore a larger size is recommended. The Closer is installed on the side of the door opposite the hinge.



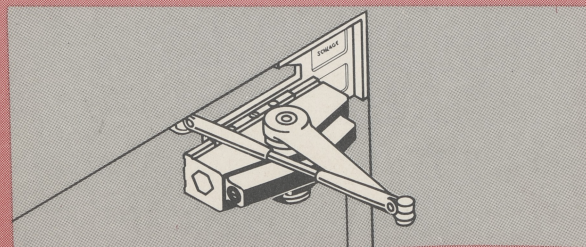
SOFFIT BRACKET INSTALLATION

When the Closer is to be installed on side of door opposite hinge and conditions call for variable positions, the Soffit Bracket is used. It permits normal 110° opening with maximum power.



TOP JAMB INSTALLATION

Where conditions require installation of Closer on side of door opposite hinge, this installation eliminates the need for brackets and parallel arms in most cases, and provides maximum headroom.



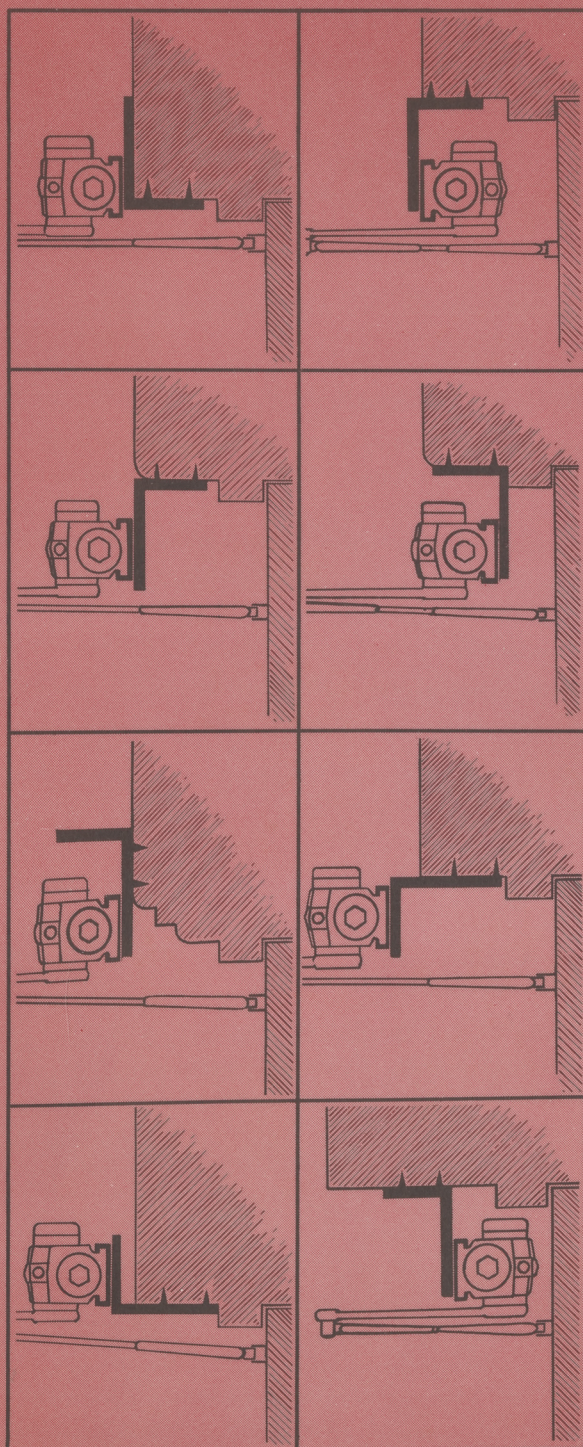
CORNER BRACKET INSTALLATION

When the Closer is to be installed on side of door opposite hinge and can be permanently located at specified distance from hinge edge, the Corner Bracket is used. Corner bracket can be fastened firmly to two sides of frame. Recommended when hold-open arms are used. Corner bracket provides 180° door opening.

SCHLAGE

FRAME BRACKET INSTALLATIONS

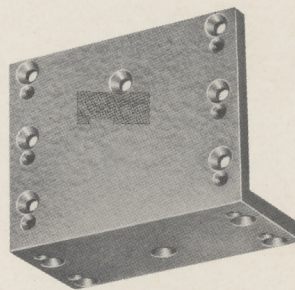
DIFFERENT APPLICATIONS OF THE STANDARD CLOSER



The above illustrations are suggested methods for installing Frame Brackets to meet various top jamb conditions.

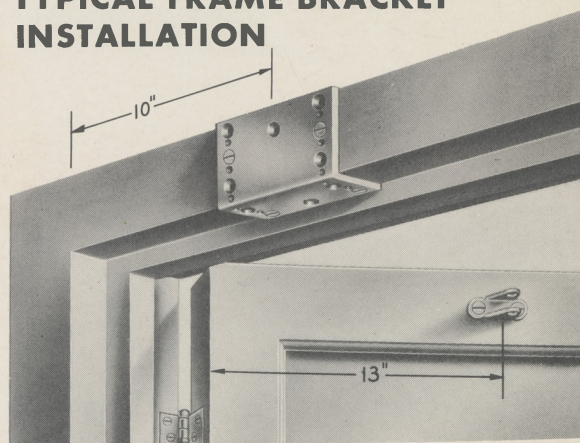
ALL-PURPOSE ADAPTABILITY

The Schlage Frame Bracket, made of extruded aluminum, features full adaptability to a wide range of door and jamb designs. Various methods of application are illustrated at left, showing different ways in which the Bracket and Closer may be installed for maximum convenience. Frame Bracket is primarily used for top jamb installations where dimensions or shape of top jamb do not provide firm support for Closer mounting plate, or where door stop does not provide sufficient clearance for arm.



Countersunk holes are for securing Bracket to door frame or soffit. Tapped holes are used for securing Closer mounting plate to Frame Bracket.

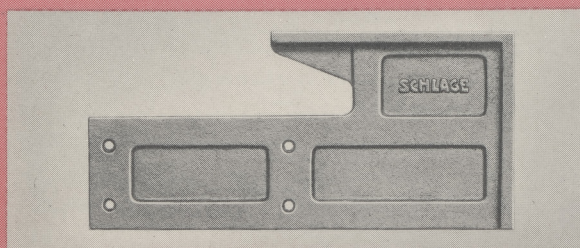
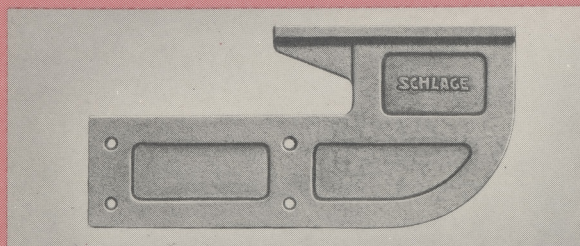
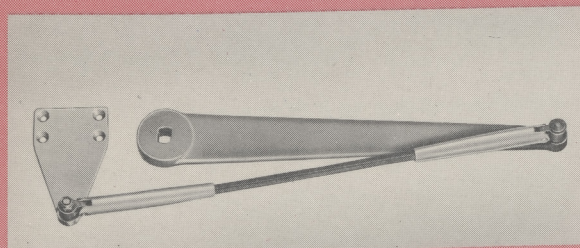
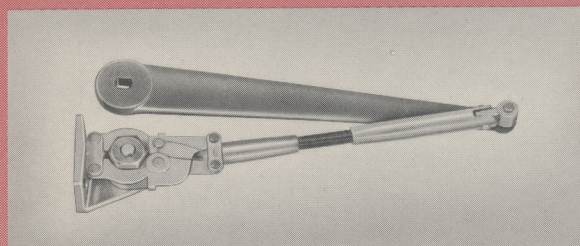
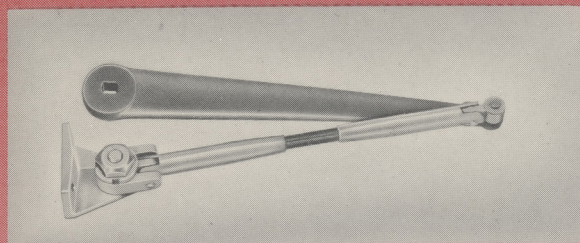
TYPICAL FRAME BRACKET INSTALLATION



The above mounting gives full closing power equal to the standard Surface type of installation. 110° opening is obtained with the standard 9½" arm. To obtain 180° opening with the standard arm, the Frame Bracket and Shoe should be moved 3" nearer the hinge, reducing closing power by approximately ⅓. For full closing power with 180° opening a 13" arm must be used. Frame Bracket is then applied in its normal position 10" from hinge edge of door.

SCHLAGE

A C C E S S O R I E S



HOLD-OPEN ARM

The hold-open device is incorporated in a special shoe plate. The hold open mechanism can be set for any desired position after Closer has been installed. After setting, it will retain its grip under normal building vibration. The adjustment range for parallel arms is 15° to 180°. For all other arms the range is 40° to 180°. Applicable to installations shown on pages 6 & 7.

FUSIBLE LINK ON HOLD-OPEN ARM

Designed for easy assembly to standard hold-open arms, this fusible link can be applied in the field. It releases hold-open device at 160°F. Applicable to installations shown on pages 6 & 7.

PARALLEL ARM

Made of ductile iron and supplied with parallel arm bracket for installation on underside of top jamb. Can be adjusted for increased or decreased closing power by changing angle of arm.

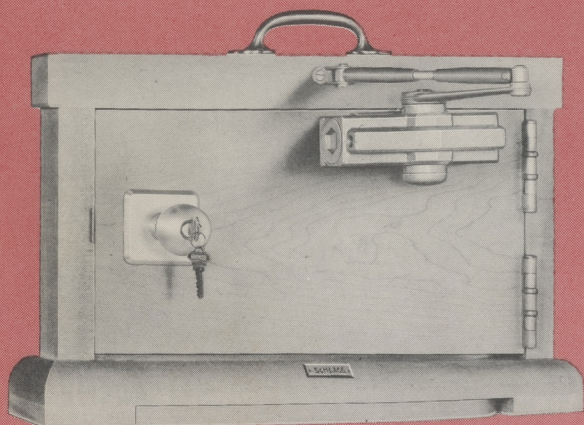
SOFFIT BRACKET

Made of high tensile cast iron alloy and finished to match Closer. Compact design keeps headroom at a maximum for soffit bracket installations. Standard 9½" arm for 110° opening, or 13" arm for 180° opening provide full power.

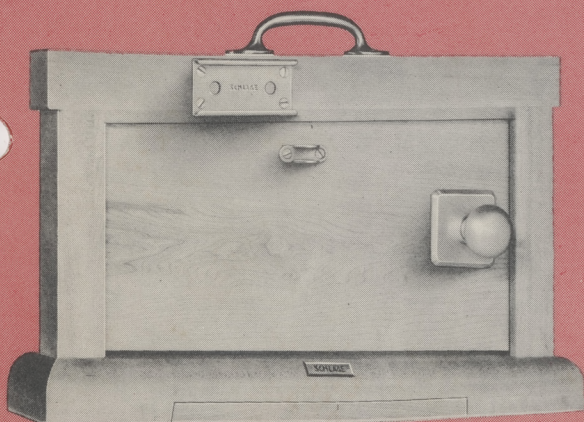
CORNER BRACKET

High tensile cast iron alloy, finished to match the Closer. Designed along same lines as the Soffit Bracket with additional screw holes for double support. Used for 180° door opening, but reduced power. Corner Bracket for use with Glynn-Johnson Door Holders also available.

M I S C E L L A N E O U S



**Demonstration Sample
(Standard Installation)**



**Demonstration Sample
(Top Jamb Installation)**



**Door Closer
Packed for Shipment**

DEMONSTRATION SAMPLE

Mounted samples for demonstration purposes are furnished complete with all necessary hardware. Specify as follows:

- | | |
|---|-------|
| 1—T500 B ZEN GREY | } MTD |
| 1—D70PD HB MON AL | |
| 1—T5025 Extra Mounting Plate GREY | |
| 1—T5037 Extra Shoe GREY | |
| 1—M39 Natural Mount for above.
(Mount includes 3½" x 3½" Oilite hinges and 810 handle) | |

Hardware finish on lock and hinges can be chrome, bronze or aluminum. Finish on handle can be bronze or chrome. Closer can be GREY or BROWN. Lock design and function can be specified as desired. Extra mounting plate and shoe permit demonstration of Top Jamb installation.

TOP JAMB INSTALLATION

Shown at left is the other side of the demonstration sample, with mounting plate and shoe affixed for top jamb installation.

SERVICING

Schlage Door Closers are engineered to require minimum field servicing. High standards in factory testing and inspecting assure durability on the job. When servicing is necessary, the mechanical design of the Closer provides easy removal from the door, and simplifies disassembly for oil refill. When servicing or refilling, remove hexagon plug and valve assembly on end marked "Speed." Care should be taken when end plug is removed as spring is compressed about 2", and releases with force.

PACKING AND SHIPPING

Schlage Door Closers are packed 5 to a case. Each Closer is fully protected in shipment by special padded inserts in the individual box. Shipping weights: 8½ lbs. each; 44 lbs. per case of 5. Brackets are packed in separate boxes—one to a box. Shipping weights: Corner Bracket—2¾ lbs., Soffit Bracket—2¾ lbs., Frame Bracket—1½ lbs.

SCHLAGE

SCHLAGE T500 DOOR CLOSER

SPECIFICATIONS AND ORDERING

BASE NUMBER	T 500	With Backchecking Action
	T 501	No Backcheck

SIZE OF CLOSER	B	Equal to Fed. Spec. Size II
	C	Equal to Fed. Spec. Size III
	D	Equal to Fed. Spec. Size IV

DESIGN NAME	ZEN	Zenith (Rectangular shape)
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FINISHES	GRAY	Sprayed "Hammertone" Lacquer
	BROWN	Sprayed "Hammertone" Lacquer
	P.C.	Gray Prime Coat

SPECIAL ARMS	HOA	Hold-Open Arm
	FLA	Fusible Link Hold-Open
	PA	Parallel Arm
	HPA	Hold-Open Parallel Arm
	FPA	Fusible Link Parallel Arm
	13" ARM	Long Arm for 180° opening

BRACKETS	T 101	Corner Bracket
	T 102	Corner Bracket For use with Glynn-Johnson Door Holders
	T 103	Soffit Bracket
	T 104	Top Frame Bracket (for overhead installation)
	T 105	Drop Bracket (for overhead installation)

(Brackets should be ordered separately, designated by the symbols above. They are available in Finishes: Gray, Brown, and Prime Coat.)

MISCELLANEOUS	<i>When ordered with Closer:</i>	
	TB	Thru Bolts
	AC	Adjustment Key Caps
	<i>When ordered separately:</i>	
	T 155	Thru Bolts
	T 160	Adjustment Key Caps

Note: T150 Fusible Link for attachment to Hold-Open Arm can also be ordered separately.

SIZE DETERMINATION

To find size of Closer needed for interior or exterior doors, measure the height, width and thickness of the door and consult this chart:

		Door Width		Under 3'-0"		3'-0" to 3'-4"		3'-6" to 4'-0"	
		Door Height		Under 7'-0"	7'-0" & Over	Under 7'-0"	7'-0" & Over	Under 7'-0"	7'-0" & Over
Interior Doors	Door Thickness	1 3/4" & Under		B	B	B	C	C	D
		Over 1 3/4"		B	C	C	D	D	D
Exterior Doors	Door Thickness	1 3/4" & Under		C	C	D	D	D	E*
		Over 1 3/4"		C	D	D	D	E*	E*

The above chart is applicable in the following installations:

- Standard Surface
 - Top Jamb
 - Frame Bracket
 - Soffit Bracket
 - Drop Bracket
- } Closer mounted 10" from door hinge

Closers one size larger than indicated above, should be specified for:

- Corner Bracket installations
- Parallel Arm installations
- Extreme Wind conditions

*E size Closer not yet available.

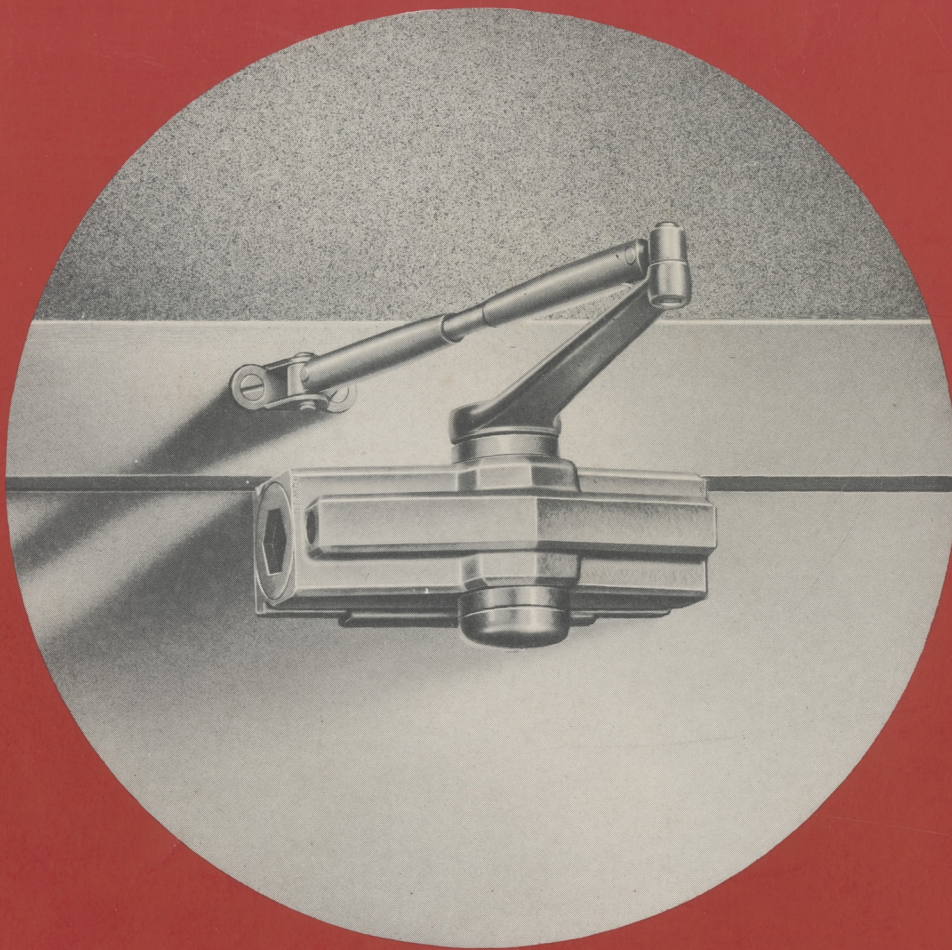
EXAMPLE OF HOW TO ORDER

1—T500 C ZEN BROWN HOA AC
1—T101 C BROWN

This symbolized description defines that the Closer selected is: Standard Backcheck/Size C/Zenith Design/With Brown Hammertone Finish/With Hold-open Arm/With Adjustment Caps. The bracket is: Corner Bracket/Size C/With Brown Hammertone Finish.

SCHLAGE LOCK COMPANY

SAN FRANCISCO • NEW YORK • VANCOUVER, B. C.



**SCHLAGE DOOR CLOSERS ARE PRODUCED
TO THE SAME HIGH STANDARD OF QUALITY
AS SCHLAGE LOCKS**

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San Francisco

New York Sales Office
Empire State Bldg.
New York City

Schlage Lock Company
of Canada Ltd.
Vancouver, B. C.