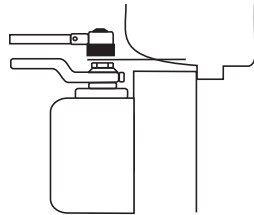
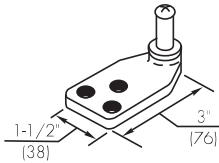


Accessories

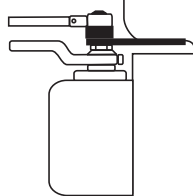
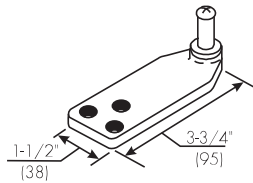
REGULAR ARM

Brackets for Non-Hold Open Arms



Molded/Bull Nose Trim - #291 Bracket

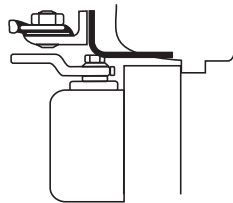
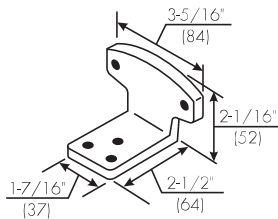
For use where the door frame has molded or bull nose trim which will not accept a standard non-hold open shoe. The bracket is mortised into the frame rabbet, and projects beyond the face of the frame. It will accommodate a frame rabbet up to 2" (51mm) deep.



Molded/Bull Nose Trim - #291A Bracket

This bracket is similar to - but longer than - the 291 bracket. It is designed to accommodate frame rabbets from 2" to 2-7/8" (51mm to 73mm) deep.

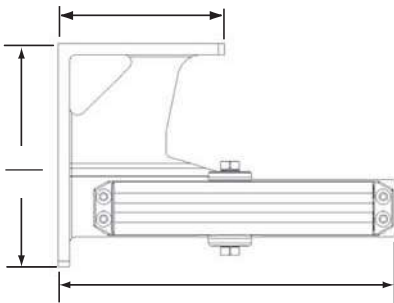
Brackets for Hold Open Arms



Molded/Bull Nose Trim - #292 Bracket

For use where the door frame has molded or bull nose trim which will not accept a standard hold open shoe. It is mortised into the frame rabbet, and projects beyond the face of the frame. It will accommodate a rabbet up to 2" (51mm) deep. This bracket is used in combination with the standard hold open mounting shoe.

Corner Brackets for Closer Mounting



For closer sizing information, use the Parallel Arm sizing chart on page 11.

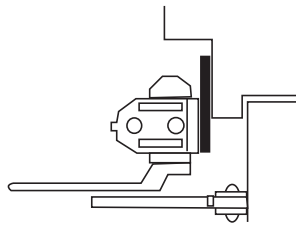
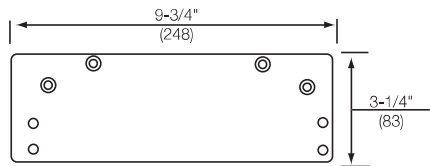
Mounting Opposite Hinge Side - #2350 Corner Bracket

For use where it is desired to mount the closer regular arm on the opposite to hinge side of the door. Can also be used to clear an overhead door holder.

Accessories

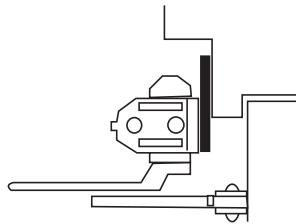
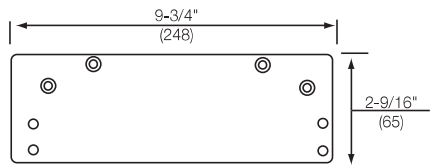
TOP JAMB

Closer Mounting Plates



Overhead Door Holder - #214 Drop Plate

For use where an overhead door holder prevents normal top jamb mounting. This places the center line of the arm mounting screws at 3-1/2" (89mm) from the top of the door.



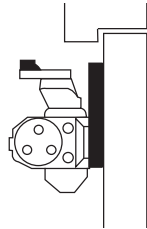
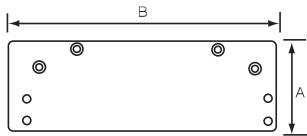
Low Ceiling Clearance - Overhead Door Holder - #587 Drop Plate

For use where the ceiling clearance is between 1-3/4" and 2-5/8" (44mm and 67mm). Or for use where an overhead door holder prevents normal top jamb mounting. This places the centerline of the arm mounting screws at 2-1/8" (54mm) from the top of door.

Accessories

PARALLEL ARM

Closer Mounting Plate



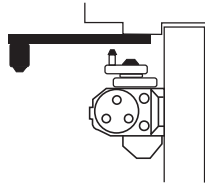
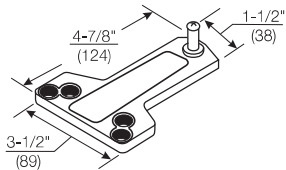
Note: #214C - To be used when optional cover is specified.

Narrow Top Rail - #214 Drop Plate

For use where a narrow top rail prevents the closer from being mounted directly to the door surface. This drop plate can be used to mount a closer on a top rail as narrow as 3-1/8" (79mm) in height for 50BC or 2-1/8" (54mm) for 50BCP.

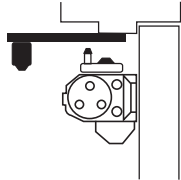
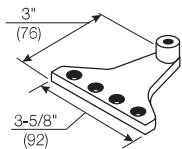
Plate No.	Dimensions	
	A (width)	B (length)
214	3-1/4" (83mm)	9-3/4" (248mm)
214C	4-1/8" (105mm)	9-7/8" (251mm)

Brackets for Non-Hold Open Arms



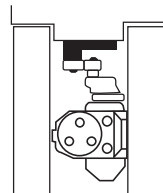
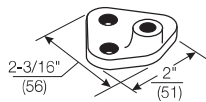
Standard Installation - #289A Soffit Plate

This soffit plate is supplied standard with parallel arm closers. It can be mounted where the frame soffit is as narrow as 1" (25 mm). Specify **289A-SS for stainless steel soffit plate**. With Series PA51S closers, a 289A-SS soffit plate fabricated of stainless steel is supplied standard.



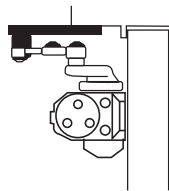
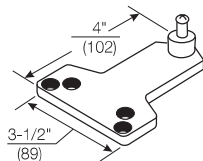
Narrow Frame/Removable Stop - #297 Soffit Plate

For use where a narrow frame or frame with removable stop does not permit use of the standard soffit plate. This soffit plate may be mounted on the frame soffit or the frame rabbet where the stop does not exceed 5/8" (16mm) in height. All of the screw holes are in a straight line, requiring as little as 1-1/4" (32mm) of frame reveal to mount bracket and maintain good closer arm geometry. Where the frame soffit is as wide as 2" (51mm), this soffit plate may be used to clear weather - stripping that is up to 1-3/8" (35mm) wide and 5/8" (16mm) in height.



Mounting Between Doors - #413A Soffit Bracket

For use where insufficient space between companion doors does not permit use of other soffit plates. This bracket permits mounting of the closer between doors with as little as 3" (76mm) of header space. Permits closer arm to clear up to 5/8" (16mm) high stop.



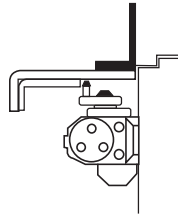
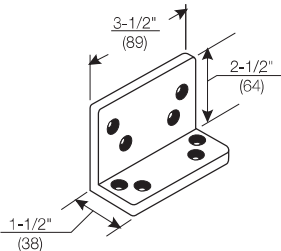
Blade/Applied Stop - #299 Soffit Plate

For use where a blade or applied stop does not permit installation of the standard soffit plate. Mounts to either the frame soffit or rabbet. Since this soffit plate projects 7/8" (22mm) less than a standard soffit plate, it requires a minimum frame reveal of 1-1/2" (38mm). Permits closer to clear up to a 5/8" (16mm) high frame stop.

Accessories

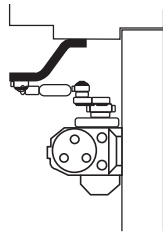
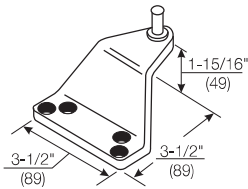
PARALLEL ARM

Brackets for Non-Hold Open Arms (Continued)



Flush Transom - #589L Angle Bracket

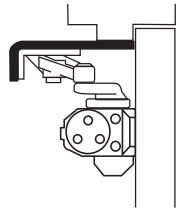
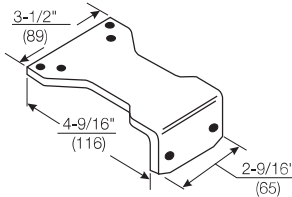
For use where rabbeted or flush transom conditions prevent installation of a soffit plate. Used in combination with the 289A soffit plate, or may be used in combination with the 290 soffit plate when it is necessary for the closer arm to clear a separate overhead door holder.



Extra-Clearance - #290 Offset Soffit Plate

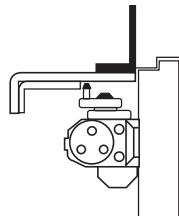
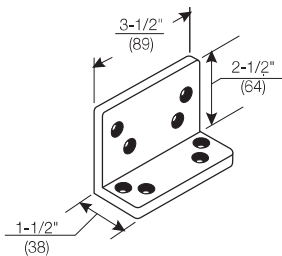
For use where the need for additional clearance prevents use of the standard soffit plate. This plate mounts to the frame soffit to provide up to 2" (51mm) of clearance when a separate overhead door holder is used. Standard mounting requires a 2-5/8" (67mm) wide frame soffit. It may also be used where unusually high frame stops or weather-stripping prevent the use of other soffit plates.

Brackets for Hold Open Arms



Parallel Hold Open - #588 Adapter Plate

This Adapter Plate is supplied standard with all parallel arm hold open closers. It can also be used to convert regular arm or top jamb hold open arms to parallel arm installation. It can be mounted where the frame soffit is as narrow as 1" (25mm).



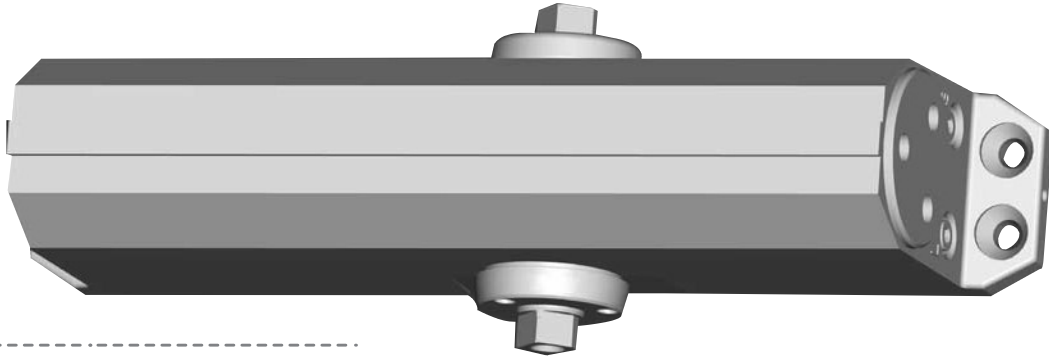
Flush Transom Hold Open - #589L Angle Bracket

For use where rabbeted or flush transom conditions prevent installation of the standard 588 hold open adapter plate. It is used in combination with the 588 adapter plate.



Accessories

DOOR CLOSER BODY ASSEMBLIES



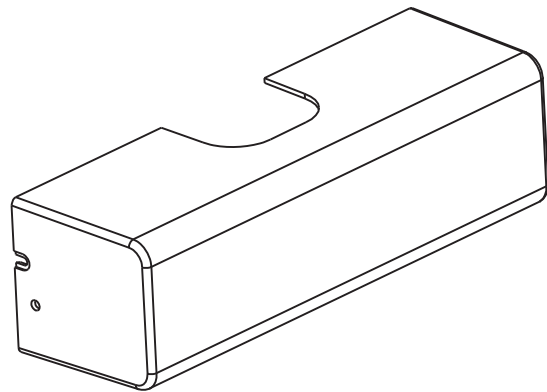
**Body Only
(Standard)**

51LAP

Multi-sized

LAP = Less All Parts

* Specify closer size. Pinion cap and mounting screws supplied standard.

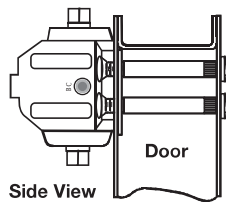


Cover (optional) - specify 50P

Dimensions (RA and PA applications):

2-7/8"(73mm) height x 3-1/16"(78mm) deep x
9-7/8"(251mm) long

To order with closer use "P" suffix; i.e. 54BCP.



Side View

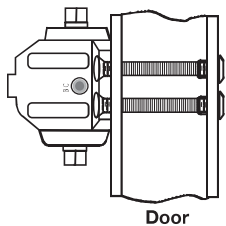
Door

Door	SN's	SNB's
1-3/4"	SN-134	SNB134-38
2"	SN-200	SNB200-38
2-1/4"	SN-214	SNB214-38
S.S. SNB's 1-3/4"	SN-134SS	SNB134SS-38

Aluminum and Wood Door Application

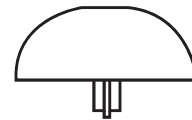
(Aluminum Door Shown)

Through-Bolt & Grommet Nut : "TBGN" (4 per pack)



Door

Door	TBGN's
1-3/8"	TBGN138-38
1-3/4"	TBGN134-38
2-1/4"	TBGN214-38



1639 Pinion Cap