

CLOSERPLUS® ARMS

Closer Mounting Plate

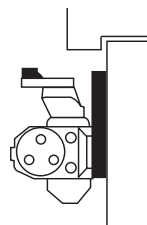
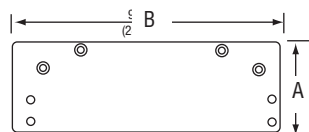
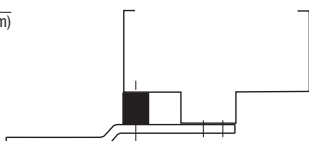
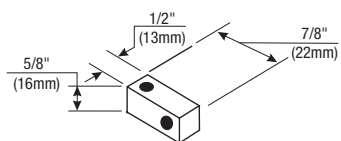


Plate No.	Dimensions	
	A (width)	B (length)
1688	3-1/4"(83mm)	9-3/4"(248mm)
1688C	4-1/8"(105mm)	9-7/8"(251mm)

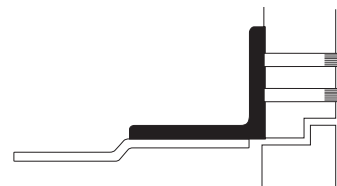
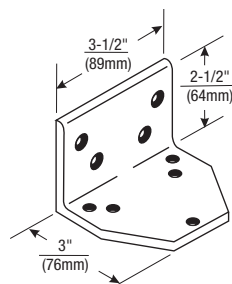
Note: #1688C - To be used when optional cover is specified.

Narrow Top Rail - #1688 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 2-5/8" (67mm) in height.

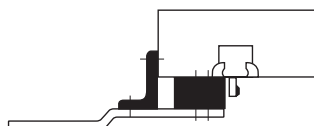
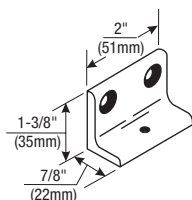
Brackets for Non-Hold Open Arms & Hold Open Arms



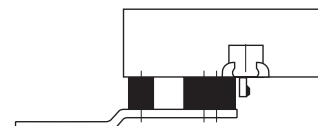
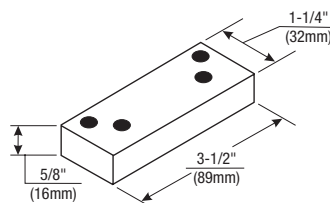
Standard - #2019S Spacer Block: For use where a narrow frame soffit does not provide adequate support for the soffit plate. Supplied as standard with all CloserPlus® arm closers. For use on frame with either 1/2" (13mm) or 5/8" (16mm) high frame stop.



Flush Rabbeted Transom - #2019L Angle Bracket: For use where flush transom conditions prevent mounting of the standard soffit plate. This bracket is used in combination with the arm's soffit plate.



Narrow Frame - #6890 Support Bracket: For use where the frame is narrow, and the soffit plate cannot be mounted directly to the frame soffit or rabbet. Used in combination with the #6891 Spacer Block on blade stop frames to provide extra support and needed clearance of the blade stop. Used on frame where frame stop does exceed 5/8" (16mm) in height.



Clearance/Support Blade Stop - #6891 Spacer Block: For use where the door frame has a blade stop and the soffit plate must be mounted on the frame rabbet. This accessory is used in combination with the standard 2019S Spacer Block to provide clearance of the blade stop. For clearance of 5/8" (16mm) high-frame stop.

Closer Mounting Plate (for Parallel Arm)

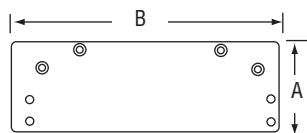
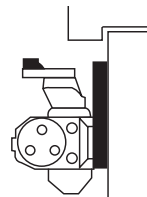


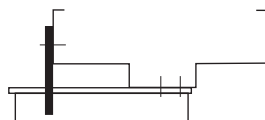
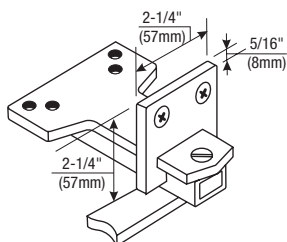
Plate No.	Dimensions	
	A (width)	B (length)
1688	3-1/4" (83mm)	9-3/4" (248mm)
1688C	4-1/8" (105mm)	9-7/8" (251mm)

Note: #1688C - To be used when optional cover is specified.

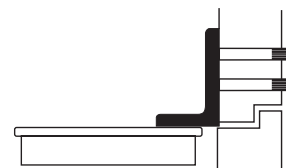
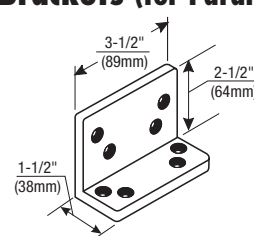


Narrow Top Rail - #1688 Drop Plate: For use where a narrow top rail prevents the closer from being mounted directly to the door surface. This drop plate can be used to mount a closer on a top rail as narrow as 2-5/8" (67mm) in height.

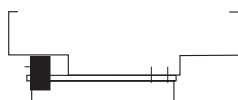
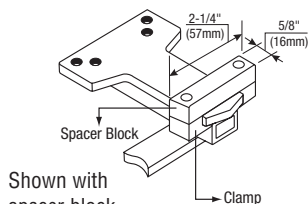
Soffit Plate Reinforcing Brackets (for Parallel Arm)



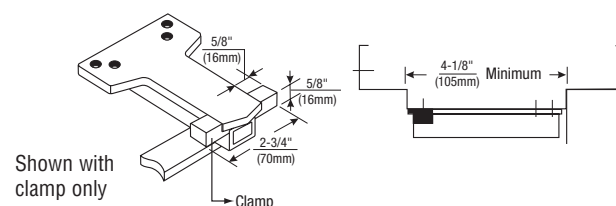
Additional Support - #6190 Reinforcing Bracket: Standard for use with all Parallel Arm *UniTrol* Door Controls. Provides additional support to the soffit plate on installations with door frame reveals from 1-7/8" to 4-5/8" (48mm to 117mm).



Flush Rabbeted Transom - #2022 Angle Bracket: Optional for use with all Parallel Arm *UniTrol* Door Controls. For use where rabbeted or flush transom conditions prevent installation of the soffit plate assembly. This bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly.



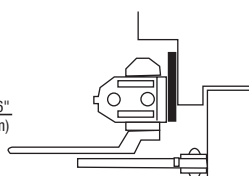
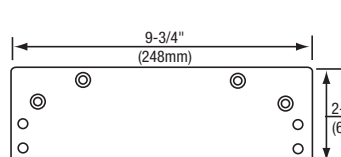
Shown with spacer block and clamps



Shown with clamp only

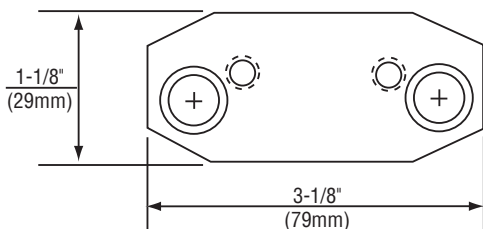
Wide Frame - #6191 Reinforcing Kit: Optional for use with all Parallel Arm *UniTrol* Door Controls. Used to support the soffit plate on installations with deep frames. Clamps may be used with or without the spacer block, depending on frame conditions.

Closer Mounting Plate (for Top Jamb)

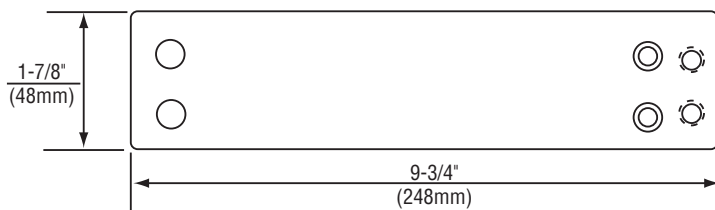
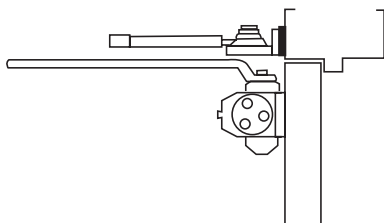


Low Ceiling Clearance - #1687 Drop Plate: For use where the ceiling clearance is between 1-3/4" and 2-5/8" (44mm and 67mm). This places the centerline of the arm mounting screws at 2-5/8" (67mm) from the top of door.

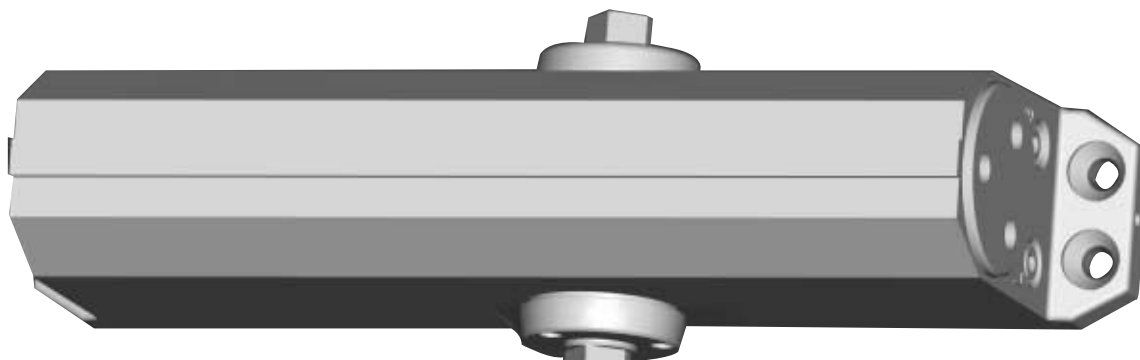
SPECIAL ACCESSORIES



Converting Old Hold Open Installations - #2017 Adapter Plate: For use on old hold open installations with 2-1/2" (64mm) hole spacing on the holder bracket. Plate uses existing holes in either door or frame and accepts the new hold open bracket with 1-3/4" (44mm) hole spacing. For regular arm or top jamb installations.



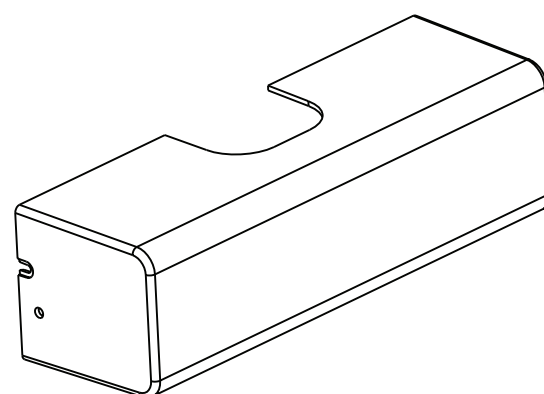
1699 Adapter Plate:
Converts old 1602/1603 closer installations with 3/4" (19mm) x 8-3/16" (208mm) - spacing to new 1602, 1603 or 1601BF using existing mounting holes in door or frame.

**DOOR CLOSER
BODY ASSEMBLIES**


Body Only (Standard)	
160*BCLAP	Sized Closer
1601LAP	Multi-sized
1601BFLAP	Barrier Free
1601DALAP	Delayed Action
1601BFDALAP	Barrier Free Delayed Action
1601SSLAP	Stainless Steel
1601SSDALAP	Stainless Steel Delayed Action

LAP = Less All Parts

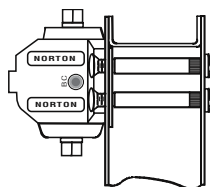
* Specify closer size. Pinion cap and mounting screws supplied.


Optional Cover- 1600P

2-7/8"(73mm) height x 3-1/6"(78mm) deep x 9-7/8"(251mm) long
To order with closer use "P" suffix; ie 1604BCP.

Steel Door Application

**Sex-nut / Sleeve-nut : "SN" (4 per pack) or
Sex-nut / Sleeve-Nut & Screw: "SNB" (4 per pack)**



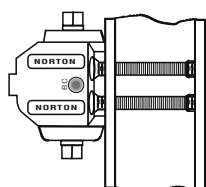
Door	SN's	SNB's
1-3/8"	SN-138	SNB138-38
1-3/4"	SN-134	SNB134-38
2-1/4"	SN-214	SNB214-38
S.S. SNB's 1-3/4"	SN-134SS	SNB134SS-38



1634 Pinion Cap.

**Aluminum and Wooden Door Application
(Aluminum Door Shown)**

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



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