

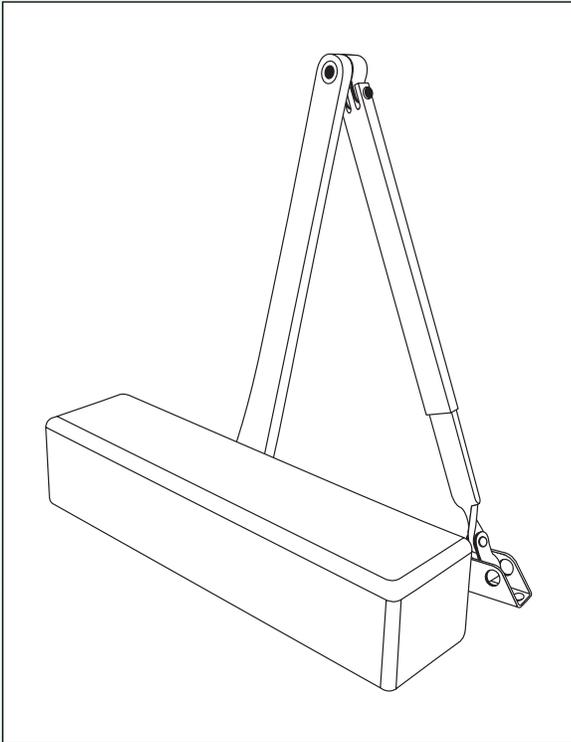
5100 Series

Architectural Door Control



AMERICAN
EAGLE
LOCK COMPANY INC.

5100 SERIES ARCHITECTURAL STYLE COMMERCIAL DOOR CONTROL



The American Eagle 5100 Series is a fully featured architectural style door control. The full cover and flat design arm assembly provide both durability and aesthetically pleasing appearance in commercial and institutional applications. The 5100 is ideally suited for installation on wood or metal doors and frames. The series is non-handed and fully adjustable size one through six for maximum flexibility. The standard tri-pack feature provides versatility to permit regular, top jamb and parallel arm installations. A range of sprayed and architectural finishes are available to compliment any decor.

SUGGESTED ARCHITECTURAL SPECIFICATIONS

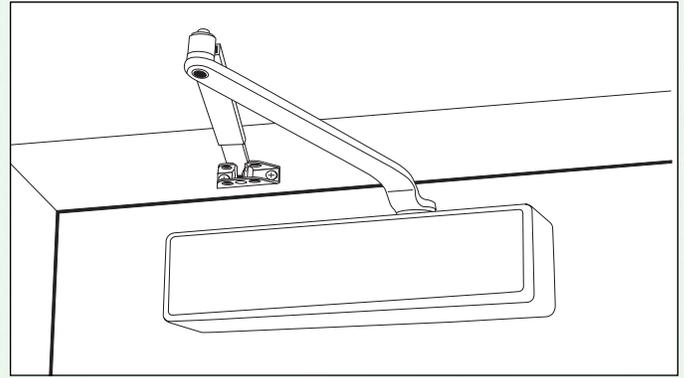
All door closers shall be American Eagle 5100 Series with full rack and pinion construction, heavy duty cast aluminum closer body, stamped flat style arm assembly and full architectural cover. Hydraulic control shall be through separate hex-key non-critical sweep, latch and backcheck adjustment. Optional delayed action to be effective from maximum opening to approximately 70 degrees. Closers shall be non-handed, suitable for regular, top jamb and parallel arm applications with fasteners for wood or metal doors and frames. Sex nuts and bolts shall be furnished standard. Spring adjustment to be provided throughout a range of sizes 1-6 and capable of meeting barrier free opening force requirements. All products carry a 10-year manufacturer's limited warranty. Closers shall be listed by U.L./U.L.C., comply with UL 10C and UBC 7-2 (1997) for positive pressure and conform to the requirements of ANSI A156.4 Grade 1.

5100 SERIES SPECIFICATIONS

HANDING:	Non-handed
OPERATION:	Rack and pinion design
BODY:	High strength aluminum alloy
ARM:	Flat style arm assembly / Optional hold open arm / Optional DS/DSHO heavy duty parallel stop arm
ADJUSTMENT:	Adjustable controlled closing / Separate hydraulic backcheck standard / Separate sweep, latch and backcheck intensity valves / Optional adjustable delayed action
SIZE:	Adjustable size 1-6 / Can meet 5 lbf. and 8.5 lbf. barrier free requirements
MOUNTING:	Tri-packed for regular, top jamb and parallel arm installations / Fasteners furnished for wood and metal doors and frames / Sex nuts and bolts standard
COVER:	Full plastic cover standard (non-handed)
FINISHES:	Sprayed aluminum, dark duranodic bronze and gold / Optional polished brass and satin chrome finishes
CERTIFICATION:	U.L. and U.L.C. listed / Complies with UL 10C and UBC 7.2 (1997) / Conforms to the requirements of ANSI A156.4 Grade 1 / Meets the requirements of ANSI A117.1 and ADA.
WARRANTY:	Ten (10) year limited warranty

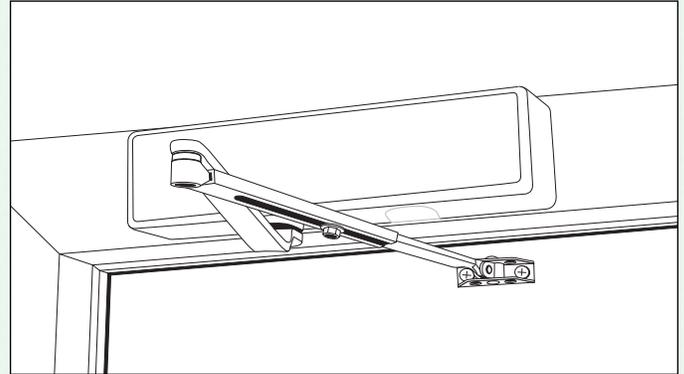
REGULAR ARM

Regular arm mount is a pull side application with double lever arm. The closer mounts on the door and the arm mounts to the frame. It provides the most efficient operation for a door control and is commonly used on in-swing doors from corridors or other interior doors. Regular arm mount is a poor choice for exterior out-swinging doors as it would put the closer on the exterior of the building. The arm assembly projects directly out from the frame. That may be a concern for vandalism or aesthetics. Regular arm application can be used with non-hold open or hold open arms.



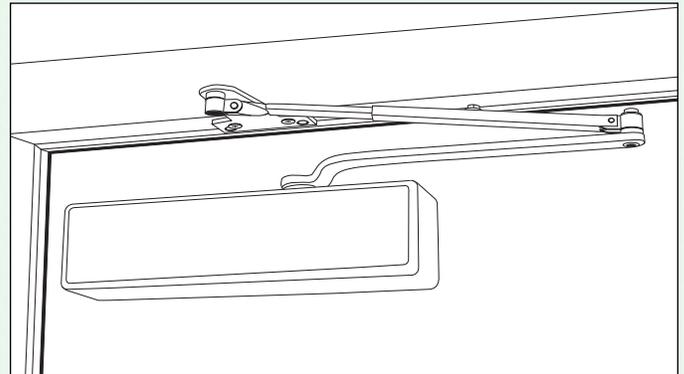
TOP JAMB

Top jamb mount is a push side double lever arm application that offers the best alternative to regular arm mount. The closer mounts to the frame and the arm mounts to the door. This application is commonly used on exterior out-swinging doors. It is a poor application for in-swinging doors from a corridor as it places the closer arm in a visible application projecting into the corridor. The arm projects out similar to regular arm mount. Therefore, it can be a concern for vandalism or aesthetics. Top jamb application can be used with non-hold open or hold open arms.



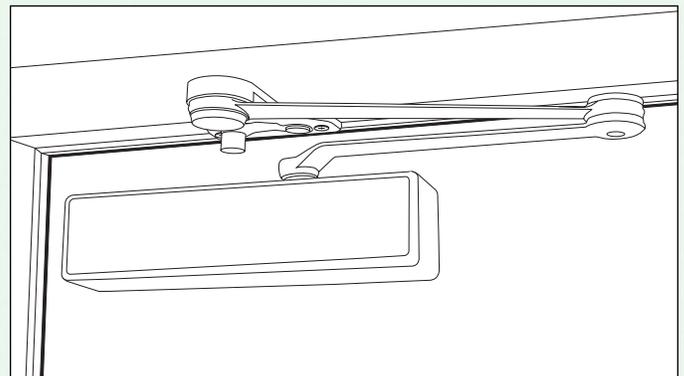
PARALLEL ARM

Parallel arm mount is a push side double lever arm application. The closer is installed on the push side of the door and the arm is mounted to a parallel arm adapter plate installed to the frame soffit. The arm is approximately parallel with the face of the door, eliminating the projection condition evident with regular arm and top jamb applications. Parallel arm is often preferred where aesthetics or vandalism are concerns. Parallel arm is less efficient than regular or top jamb mounts due to the geometry of the arm. Parallel arm application can be used with non-hold open or hold open arms.

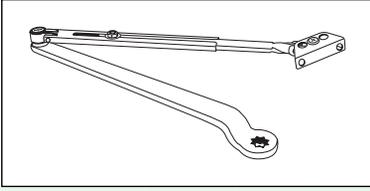


PARALLEL (DS/DSHO) STOP ARM

The parallel stop arm mount is an enhanced version of the parallel arm application. It is similar to the parallel arm mount but incorporates a heavy duty rigid arm and soffit plate with limiting dead stop. The dead stop feature is field handed. The closer's backcheck function should be adjusted to cushion the impact of the stop. The parallel stop arm is intended for use where an auxiliary stop cannot be utilized. The parallel stop arm is available in non-hold open (DS) and hold open (DSHO) applications.

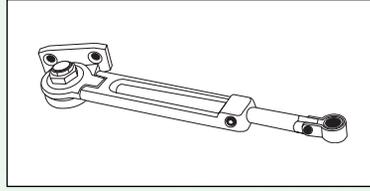


ACCESSORIES/OPTIONS



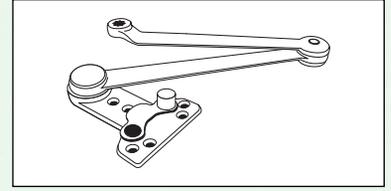
REGULAR ARM - RA

Complete arm assembly with stamped steel main arm and flat form style arm and shoe assembly. (#519003)



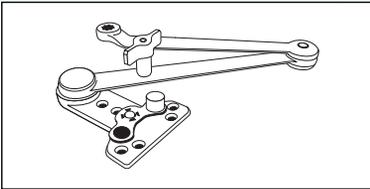
HOLD OPEN ARM - HO

Friction hold open arm assembly. Provides single point hold open from maximum opening to approximately 80 degrees. (#519002)



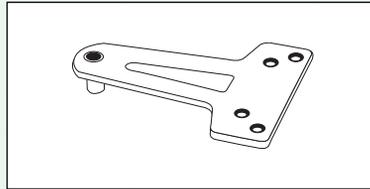
DOOR SAVER ARM - DS

Enhanced version of parallel arm application. Heavy duty rigid arm assembly and soffit plate with field reversible dead stop. Non-hold open version. (#519005)



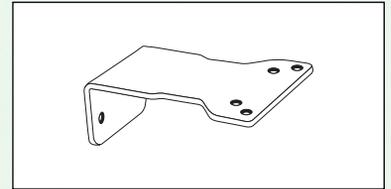
DOOR SAVER HOLD OPEN - DSHO

Similar to DS arm but incorporates a thumb turn hold open function. (#519016)



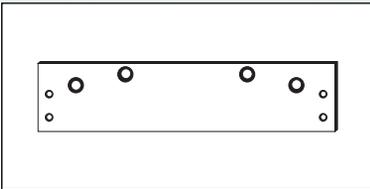
PARALLEL ARM BRACKET - PA

Bracket used when mounting parallel arm with regular arm non-hold open assembly. (#519001)



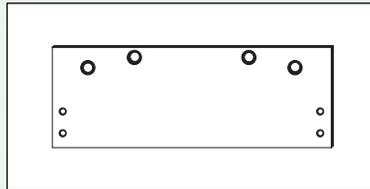
PARALLEL ARM HO BRACKET - PAHO

Bracket used when mounting parallel arm with hold open arm assembly. (#519022)



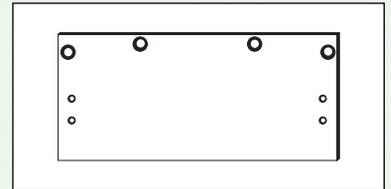
BACK PLATE - BP

For top jamb mount with limited overhead clearance or regular arm to clear a mortised stop/holder. (#519008)



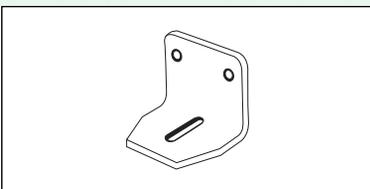
TOP JAMB DROP PLATE - DPTJ

For top jamb mount with limited overhead clearance or to provide clearance for a surface applied stop/holder. (#519023)



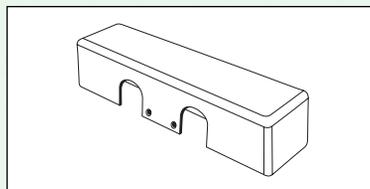
PARALLEL ARM DROP PLATE - DPPA

For parallel arm mount with narrow top door rail. (#519018)



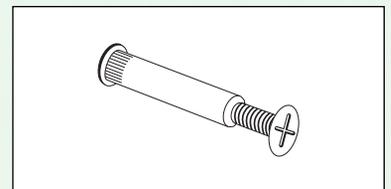
NARROW FRAME BRACKET - NFB

Used with DS/DSHO applications where narrow frame conditions require additional reinforcement of soffit plate. (#519011)



FULL COVER - FC

Full plastic cover, non-handed. (#519006)



SEX NUTS AND BOLTS - SNB

Recommended for unreinforced wood or composite labeled fire doors. For 1-3/4" thick doors only. (#519004)

HOW TO ORDER

SERIES		SIZE		APPLICATION		OPTIONS	
Closer Series		Adjustable Size 1-6 		PA – Tri-Pack (standard) HO – Hold Open, Tri-Pack DS – Door Saver Arm DSHO – Door Saver Hold Open Arm		Blank – SNB (standard) BP – Back Plate DPTJ – Top Jamb Drop Plate DPPA – Parallel Arm Drop Plate NFB – Narrow Frame Bracket	
51	0	1	BC	PA	689	BP	
0 – Non-Delayed Action 4 – Delayed Action		BC – Adjustable Hydraulic Backcheck (Standard)		689 – Aluminum 695 – Duro Bronze 696 – Gold 605 – Polished Brass 626 – Satin Chrome			
DELAYED ACTION		BACKCHECK		FINISH			

SIZE SELECTOR

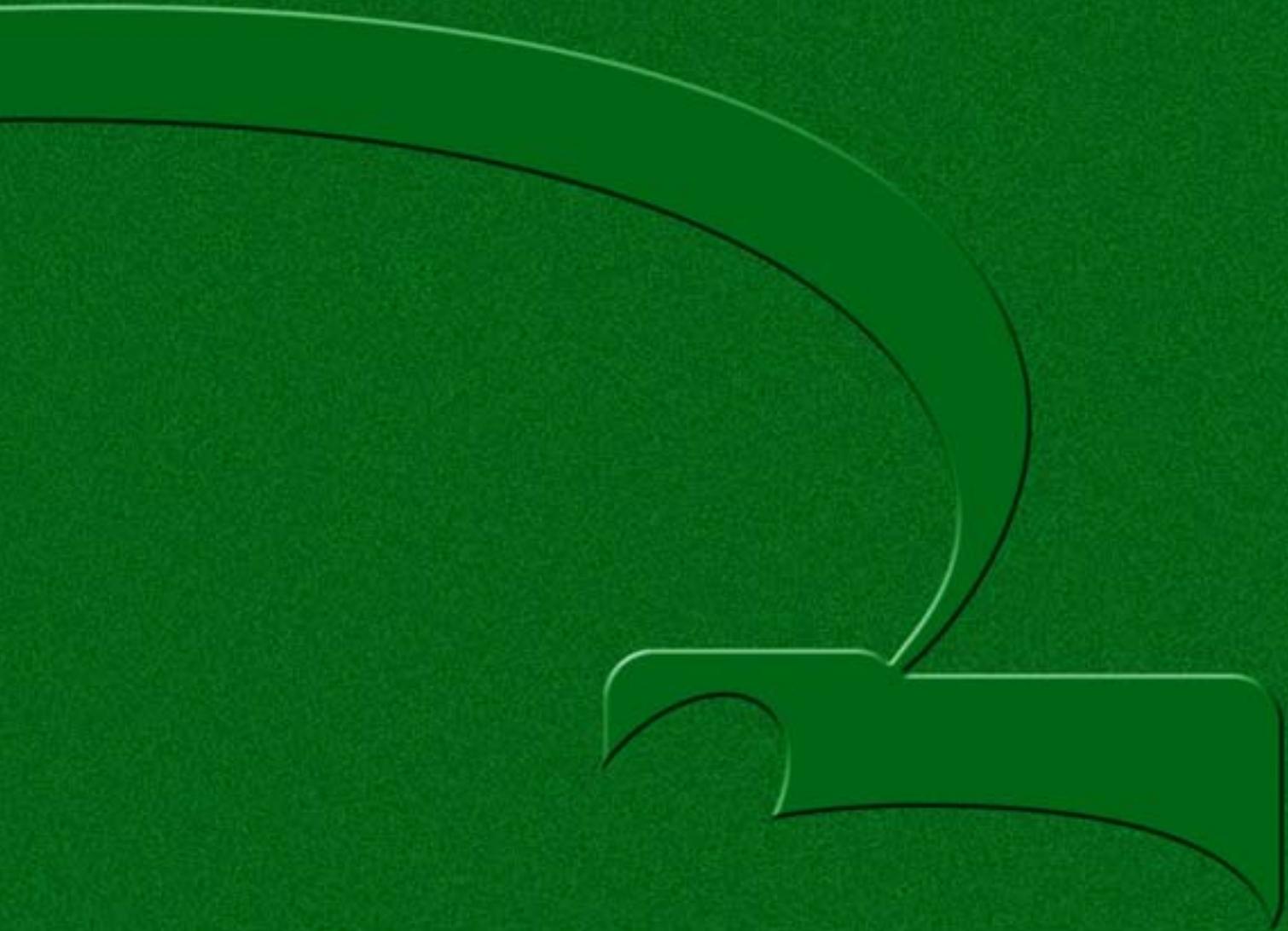
CLOSER SIZE	INTERIOR	EXTERIOR
1	2'8"	2'4"
2	3'0"	2'8"
3	3'6"	3'0"
4	4'0"	3'6"
5	4'6"	4'0"
6	4'10"	4'6"

Note: 5100 Series Closers can be installed and adjusted to meet 5 lbf. and 8.5 lbf. barrier free applications. However, it can not be guaranteed the door will close and latch while complying with barrier free restrictions.

CROSS REFERENCE

AMERICAN EAGLE	CAL ROYAL	CORBIN/RUSSWIN	DOR-O-MATIC	DORMA	HAGER	LCN	NORTON	SARGENT	YALE
5100	900	DC3200	SC80FC	8600FC	5200	1460FC	8500	1430	3500

No products are exactly alike. This cross reference represents our judgement of products that are most similar. Information has been obtained from trade sources. It is not represented nor guaranteed that any product exactly equals any other product.



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