

281 Series

Powerglide[®]

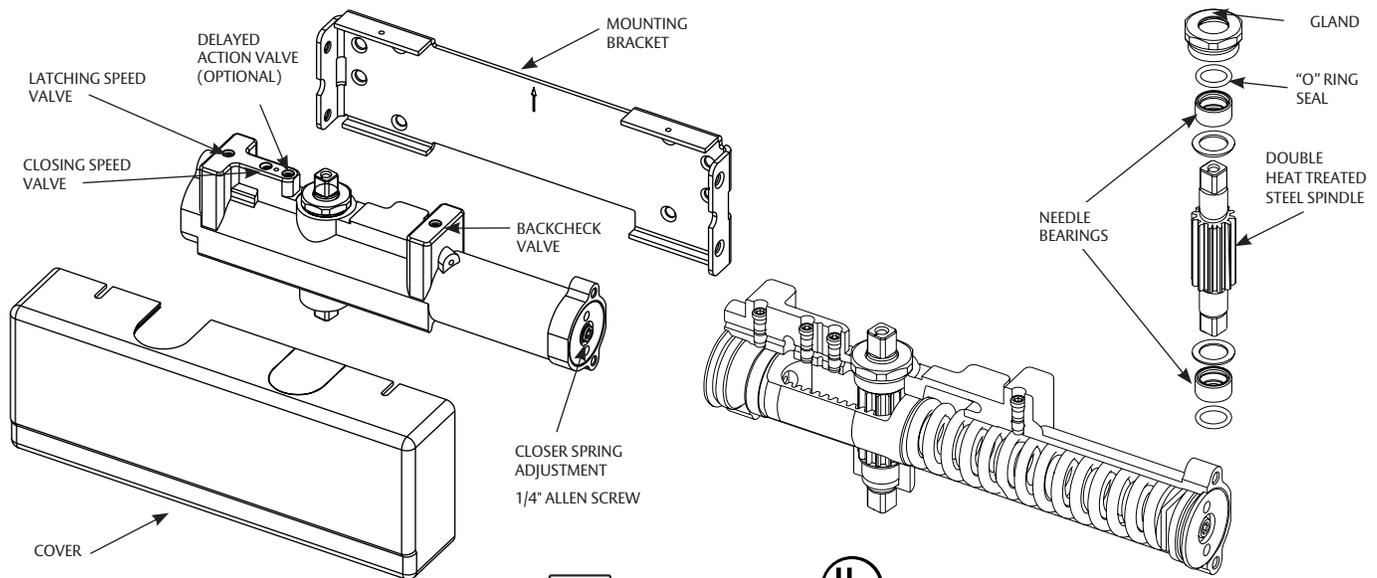
Cast Iron Door Closer



Suggested Architect's Specifications

281 Series Powerglide®

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ASSA ABLOY



The 281 Series complies with ADA for reduced open forces of 5 lbs. for interior and 8 lbs. for exterior doors.



Features

- Exceeds 25 million cycles
- Certified ANSI/BHMA A156.4 Grade 1
- UL 10C listed for positive pressure fire test
- UL / cUL Listed for use on fire rated doors
- 25 year limited warranty
- User friendly versatile mounting applications permit standard, top jamb, parallel and track installations
- Self sticking templates supplied for most applications
- Adjustable spring power allows 281 closers a size range of 1 through 6. They are adjusted to size 3 before leaving the factory
- One door closer body for all applications
- 281 are non-handed
- Meets ADA requirements in all applications, except Push Side Track application (except track)
- High impact non-corrosive plastic covers with two machine screws standard, ABS covers, metal covers and lead lined are optional
- All weather fluid allows closer to operate effectively in extreme temperatures without readjustment
- 1-1/2" diameter piston for superior door control
- Standard pressure relief valves for both opening and closing cycles protect the door & frame from damage caused by abuse

- Heavy duty mounting bracket for easy installation of full size iron closer
- Retrofits existing SARGENT 250 and 1250 Series Closer installations
- The Advanced Backcheck (ABC) option begins to slow the door down at approximately 15° sooner than standard backcheck in the open cycle. The (ABC) option is used when the door needs to slow down earlier than the standard back check of 70°

Heavy Duty Construction

- Heat treated full rack and pinion for high strength & wear resistance
- Heavy duty one piece cast iron body provides superior strength and wear resistance
- 1/2" arm engagement over a 7/16" square spindle ensures a wear-resistant tight joint

Fasteners

- Machine Screws and self tapping screws provided for closer and arm
- In addition, wood screws supplied when installed on wood doors without through bolts

Full Complement of Arm Types

- Standard and parallel arms
- Push and pull track arms
- Security track
- Security parallel arm
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 281 and 1431, 250, 1250 and 351 Series

Valves

- Separate brass low sensitivity control valves offer ability to separately regulate door speed, latching, backcheck and optional delayed action
- All valves are captured to prevent accidental removal, adjustable with an 1/8" allen wrench
- Adjustable backcheck protects the door and hardware from damage during the opening cycle. Not to be used in lieu of a door stop
- Adjustable delayed action (optional) permits easy access for physically impaired individuals

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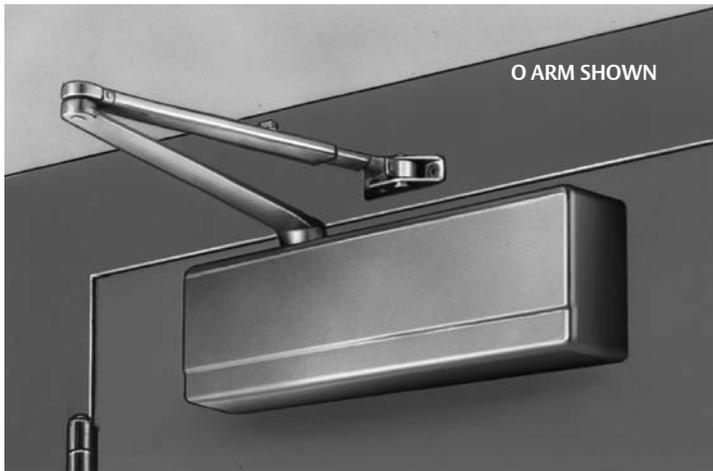
Finishes

Finishes	ANSI/BHMA	Description
EB	695	Bronze powder coated to match finish 10B
EN	689	Aluminum powder coated
ED	693	Black powder coated to match finish 20D
EAB	696	Brass powder coated
EP	691	Bronze powder coated to match finish 10
03	605	Bright brass, clear coated
04	606	Satin brass, clear coated
09	611	Bright bronze, clear coated
10	612	Satin bronze, clear coated
10B	613	Dark oxidized satin bronze, oil rubbed
10BE	613E	Dark oxidized satin bronze – equivalent
10BL	614	Oxidized satin, bronze, clear coated
14	618	Bright nickel plated, clear coated
15	619	Satin nickel, clear coated
20D	624	Statuary dark bronze, clear coated
26	625	Bright chromium plated
26D	626	Satin chromium plated
BSP	—	Black Suede Powder Coat
WSP	—	White Suede Powder Coat

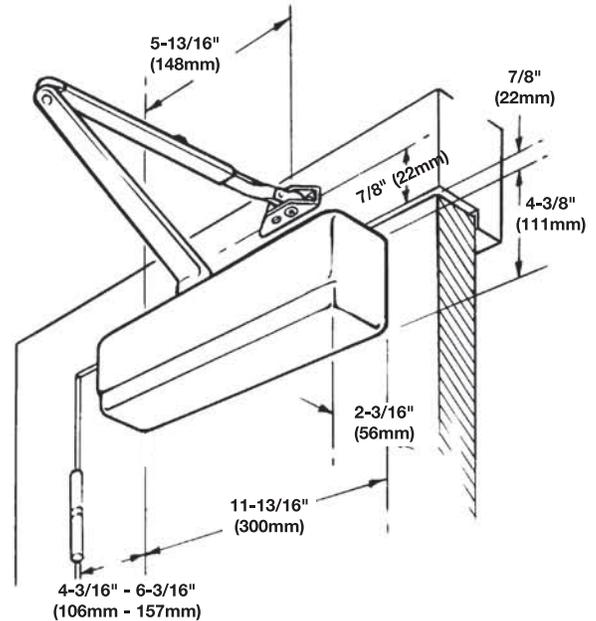
Standard Applications

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281-O Standard Application

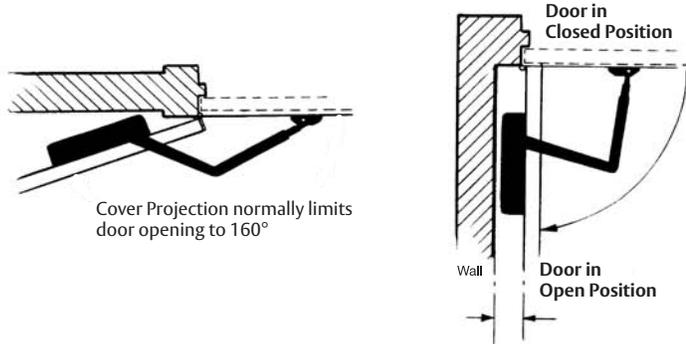


The standard application of the 281 door closer is the most common providing high degree of door control and range of power adjustment. The closer is mounted on the pull side of the door with the arm mounted on the face of the frame. When the door opens, the arm passes over the top of the door.

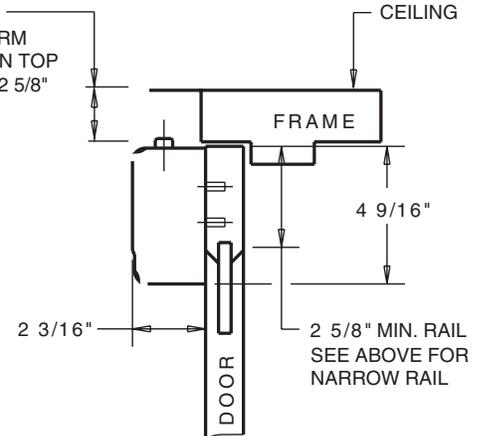
281 Standard Application for:

- Interior Doors Opening In or Out
- Exterior Doors Opening In
- 1-1/2" minimum frame face with a 2-5/8" door top rail or greater

Note: Base on the application & arm; verify door & frame requirements using the appropriate template



1 1/2" MIN. SPACE
REQUIRED FOR ARM
CLEARANCE WHEN TOP
RAIL OF DOOR IS 2 5/8"
OR GREATER.



Regular Duty Standard Arms

For use in moderate duty institutional applications

- Two piece sliding arm provides flexibility and ease of installation
- Double jointed arms allow flexibility in vertical mounting position
- Friction hold open arm available
- Mortised feet available for special frame applications

Heavy Duty Standard Arms

For use in abusive or high use installations

- Solid forged steel arms provide strength
- Friction hold open arm available
- Oil bronze bearings provide a high degree of wear resistance
- 2 piece rigid arms for ease of installation

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Arms for Standard Applications

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Regular Duty Standard Arms

O - Standard Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening with standard mounting
- Permits 180° door opening with alternate mounting or corner bracket

Order as 25-O x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2216 - Foot assembly
63-3481 - Screw pack



H - Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjustable
- Permits 180° door opening
- Holds open from 80° – 180°

Order as 25-H x finish for arm only
Includes: 63-2229 - Main arm and swivel assembly
61-2303 - Foot assembly
63-3481 - Screw pack



O8 - Mortise Foot Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Permits 120° door opening
- Commonly used with bull nose frames

Order as 25-O8 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2273 - Foot assembly
63-3481 & 63-2391 - Screw packs



H8 - Mortise Foot Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Handed same as door
- Friction type holder easily adjusted by a wrench
- Holds open from 80° – 180°

Order 25 R-H8 for right hand and 25 L-H8 for left hand x finish for arm only
Includes: 63-2229 - Main arm & link assembly
63-2289 - Left hand foot assembly
63-2290 - Right hand foot assembly
63-2290RH - Foot assembly
63-3481 & 63-2391 - Screw packs



OLC - Standard Arm for Low Ceiling

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed
- Must be used when the distance between the top of door to ceiling is between 1 -1/4" – 1 -1/2"
- Permits 120° door opening with standard mounting

Order as 25-OLC x finish for arm only
Includes: 63-2549 - Main arm and link assembly
63-2216 - Foot assembly
63-3481 - Screw pack



UH Package

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications



Screw packs
63-3481 & 63-2391

125-PH9



UO Package

- Universal arm package provides brackets and arms to install closer in standard top jamb or parallel applications



Screw packs
63-3481 & 63-2391

125-P9



Heavy Duty Standard Arms

O10 Heavy Duty Standard Arm

- Forged Steel Arm
- Non-handed
- Permits 110° door opening with standard mounting
- Permits 180° door opening with alternate mounting

Order as 25-O10 x finish for arm only
Includes: 63-0792 - Main arm
63-4309 - Foot assembly
63-3481 - Screw pack



H10 - Hold Open Heavy Duty Standard Arm

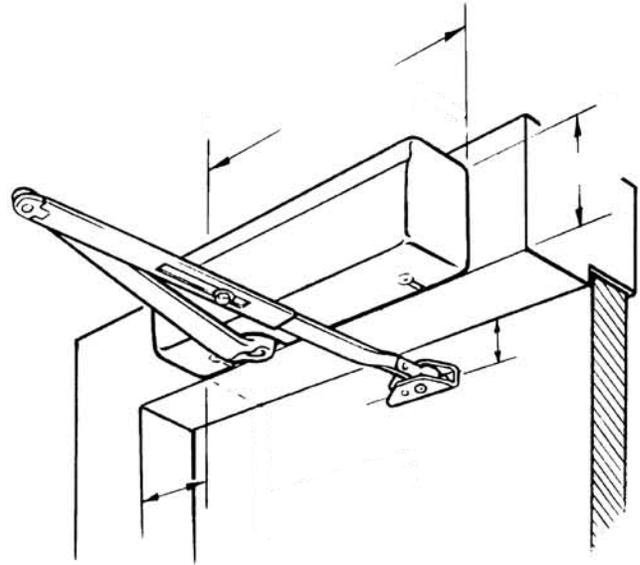
- Forged Steel Arm
- Non-handed
- Hand is changed by inverting the foot assembly
- Friction type holder easily adjusted by a wrench
- Permits 180° door opening
- Holds open from 80° – 180°

Order as 25-H10 x finish for arm only
Includes: 63-0792 - Main arm
63-4308 - Foot assembly
63-3481 - Screw pack

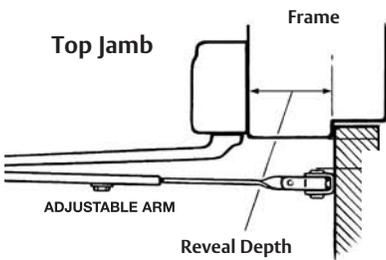




281-O Top Jamb Mounting Position



Top Jamb Application – The 281 closer is mounted on the frame face above the door. The foot is mounted on the push side of door. This application is for use on exterior doors opening out to protect the closer from the weather. The Frame Face must be at least 4-3/8". With the 281-B mounting plate, the rail must be at least 1-7/16" min.



281 Typical Reveal Top Jamb Applications

- For reveals up to 2" (51mm) maximum
- O Arm - Max. Door Opening: 180°
 - H Arm - Hold Open Range: 80°–180°

281 Deep Reveal Top Jamb Applications

- For reveals from 2-1/8" (54mm) to 5" (127mm)
- OZ Arm - Max. Door Opening: 140°
 - HZ Arm - Hold Open Range: 80°–140°

281 Extra Deep Reveal Top Jamb Applications

- For reveals from 5-1/8" (130mm) to 8" (203mm)
- OZA Arm - Max. Door Opening: 140°
 - HZA Arm - Hold Open Range: 80°–130°

Minimum Frame Face Required

- 4-3/8" minimum frame face for both single and double rabbeted frames
- 1-7/16" minimum frame face with 281-B Mounting Plate

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

Minimum Door Top Rail Required to Mount Closer Foot

- 1-7/8" (48mm) minimum
- Rail height used will vary depending on type and make of auxiliary holder

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

Adjustable Closing Force

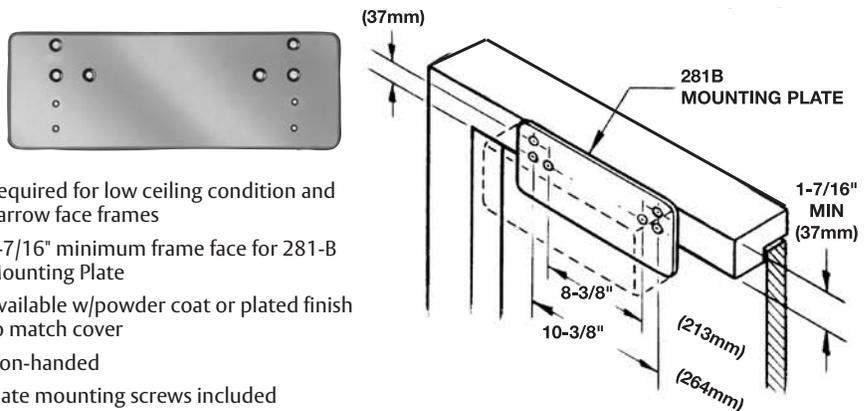
- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

Arm Leverage Adjustment

Closers using "O" arms have the provision to increase closing power by 15% by adjusting foot pivot



Top Jamb Application for Low Ceilings using 281-B Mounting Plate



- Required for low ceiling condition and narrow face frames
- 1-7/16" minimum frame face for 281-B Mounting Plate
- Available w/powder coat or plated finish to match cover
- Non-handed
- Plate mounting screws included
- Order as 281-B x finish

Arms for Top Jamb Applications

281 Series Powerglide®

Narrow Reveal Arms

O - Standard Arm

- Forged Steel Arm
11-1/4" (286mm) long
- For reveals up to
2" (51mm)
- Non-handed
- Permits
180° door opening



Order as 25-O x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2216 - Foot assembly
63-3481 - Screw pack

H - Hold Open Arm

- Forged Steel Arm
11-1/4" (286mm) long
- For reveals up to
2" (51mm)
- Adjustable friction
holder
- Non-handed
- Permits 180° door opening



Order as 25-H x finish for arm only
Includes: 63-2229 - Main arm and link assembly
61-2303 - Foot assembly
63-3481 - Screw pack

Deep Reveal Arms

OZ - Standard Arm for Deep Reveals

- Forged Steel Arm
11-1/4" (286mm) long
- For reveals from
2-1/8" (54mm) –
5" (127mm)
- Non-handed
- Permits 140° door opening



Order as 25-OZ x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2217 - Foot assembly
63-3481 - Screw pack

HZ - Hold Open Arm for Deep Reveals

- Forged Steel Arm
11-1/4" (286mm) long
- For reveals from
2-1/8" (54mm) –
5" (127mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening



Order as 25-HZ x finish for arm only
Includes: 63-2230 - Main arm and link assembly
61-2303 - Foot assembly
63-3481 - Screw pack

Extra Deep Reveal Arms

OZA - Standard Arm for Extra Deep Reveal

- Forged Steel Arm
11-1/4" (286mm) long
- For reveals
5-1/8" (130mm) –
8" (203mm)
- Non-handed
- Permits 140° door opening



Order as 25-OZA x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2218 - Foot assembly
63-3481 - Screw pack

HZA - Hold Open Arm for Extra Deep Reveal

- Forged Steel Arm
11-1/4" (286mm) long
- For reveals
5-1/8" (130mm) –
8" (203mm)
- Adjustable friction holder
- Non-handed
- Permits 140° door opening

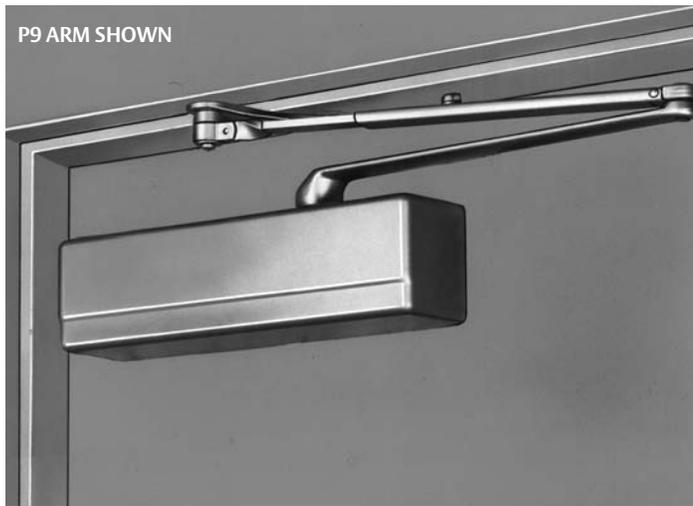


Order as 25-HZA x finish for arm only
Includes: 63-2231 - Main arm and link assembly
61-2303 - Foot assembly
63-3481 - Screw pack

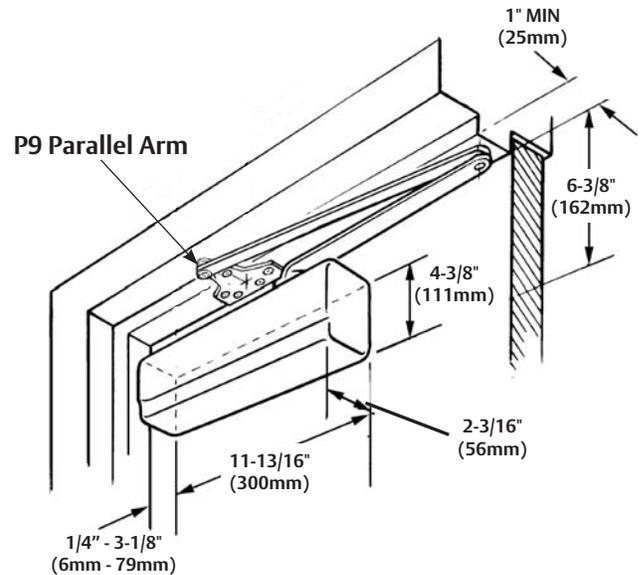
Parallel Arm Applications

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281-P9 Regular Parallel Arm Application



Parallel Arm Application – The 281 closer is mounted on the push side of the door. As the door opens, the closer swings with the door and gives full headroom in the door opening. Other advantages are that the closer arm does not project into the room, the frame can be quite narrow and the door can be swung open much further than in Top Jamb Applications. However, the closing force is not as great.

281-P9 Parallel Application

- 4-3/8" minimum door top rail with a minimum of 6-7/8" unobstructed door top rail

281-P10 Parallel Application

- 5" minimum door top rail with a minimum of 6-3/4" unobstructed door top rail
- 3" minimum soffit, when less than 3" use a 125V bracket

Note: Base on the application & arm; verify door & frame requirements using the appropriate template

Heavy Duty Parallel Arms For use in high traffic and abusive environments

- Forged steel arm and cast iron foot bracket for strength and durability
- Oiled bronze bearings for superior wear resistance
- 2 piece rigid arms for ease of installation
- Friction and positive hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Dead stop and compression stop arms available
- Security non-hold open arms available

Regular Duty Parallel Arms

- For use in moderate duty institutional applications
- Double jointed arm provides flexibility in the vertical mounting position of closer
- Flush frame arms available for use with Auxiliary Holders & Stops
- Flush frame, friction hold open arms available
- Friction hold open arms available
- Use friction hold open arms for doors subject to moderate hold open use
- Use offset bracket arms with auxiliary holders and stops

Non Hold Open Arms

- Two mounting positions for 120° and 180° maximum door openings

Stop & Stop/Hold Open Arms

- 6 mounting positions allow stop from 85°–110° with PS, PSH, CPS & CPSK arms

Standard Mounting Position

- 120° Maximum door opening
- Holding range of friction hold open arms: 75° – 110°

Alternate Mounting Position

- Maximum door opening: 180°
- Holding range of friction hold open arms: 85° – 170°

Heavy Duty Parallel Arms

281 Series Powerglide®

P10 - Heavy Duty Parallel Arm



- Forged Steel Arm, 11-1/4" (286mm) long
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting

Order as 25-P10 x finish for arm only
Includes: 63-0641 - Main arm
63-3727 - Arm and bracket assembly
63-3481 & 63-2392 - Screw packs

PH10 - Heavy Duty Friction Hold Open Parallel Arm



- Equipped with adjustable friction holder
- Adjustable hold open from 75° – 180°
- Forged steel arm, 11-1/4" (286mm) long
- Handed same as door
- Use friction hold open arms for doors subject to moderate hold open use

Order as 25-PH10 x finish for arm only
Includes: 63-0641 - Main arm
63-3839 - Left hand arm and bracket assembly
63-3840 - Right hand arm and bracket assembly
63-3481 & 63-2392 - Screw packs

PD10 - Heavy Duty Parallel Drop Arm



- Arm to be used with surface overhead applied stops
- Forged Steel Arm, 11-1/4" (286mm) long
- Lowers closer 1-1/4" on door
- Non-handed
- Easily installed
- Permits 120° opening at standard mounting
- Permits 180° opening at alternate mounting

Order as 25-PD10 x finish for arm only
Includes: 63-0641 - Main arm
63-4317 - Arm and bracket assembly
63-3481 & 63-2392 - Screw packs

Heavy Duty Hold Open and Stop Arms

Common features:

- Forged steel arms
- Non-handed
- Easy installed and adjusted
- Use positive stop hold open arms for doors subject to repetitive hold open

PS - Heavy Duty Parallel Arm with Positive Stop



- Provides built in stop from 85° – 110°

Order as 25-PS x finish for arm only
Includes: 63-0641 - Main arm
63-3837 - Arm and bracket assembly
63-3481 & 63-2392, 63-2396 - Screw packs

CPS - Heavy Duty Parallel Arm with Compression Stop



- Provides built in compression stop from 85° – 105°
- Dead stop within 3°

Order as 25-CPS x finish for arm only
Includes: 63-0641 - Main arm
63-3830 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3481 & 63-2398 - Screw packs

PSH - Heavy Duty Parallel Hold Open Arm with Positive Stop



- Adjustable hold open tension
- Hold open function may be disengaged
- Permits 85° – 110° door opening

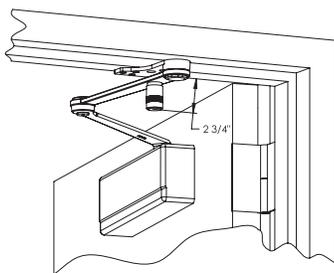
Order as 25-PSH x finish for arm only
Includes: 63-0641 - Main arm
63-3833 - Arm and bracket assembly
63-3481 & 63-2392, 63-2396 - Screw packs

CPSH - Heavy Duty Hold Open Parallel Arm with Compression Stop



- Adjustable hold open tension
- Hold open function may be disengaged
- Provides built in compression stop and holder mechanism from 85° – 105°
- Dead stop within 3°

Order as 25-CPSH x finish for arm only
Includes: 63-0641 - Main arm
63-3836 - Arm and bracket assembly
63-0516 - Bumper holder
63-3493 - Bumper
63-3481 & 63-3487 - Screw packs



The PSH and CPSH arms project 2-3/4" below the head stop

Regular Duty Parallel Arms

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Hold Open Arms

PH4 - Flush Frame, Friction Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed
- Use on frames where stop or soffit is too narrow to mount the standard hold open foot bracket



Order as 25-PH4 x finish for arm only
Includes: 63-2229 - Main arm and link assembly
61-2303 - Foot assembly
64-0050 - Foot bracket
63-3481 & 63-2391 - Screw packs

PH9 - Friction Hold Open Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Holds open from 75° – 180°
- Easily adjusted by wrench
- Non-handed



Order as 25-PH9 x finish for arm only
Includes: 63-2229 - Main arm and link assembly
61-2303 - Foot assembly
64-0039 - Foot bracket (125 PH9)
63-3481 & 63-2391 - Screw packs

Offset Bracket Arms

P3 - 1" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is offset 1" more than P-9, allowing door closer to be lowered on door face
- Non-handed



Order as 25-P3 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2270 - Foot assembly
63-3481 & 63-2391 - Screw packs

P3A - 1-3/4" Offset Bracket for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders and door coordinators
- Foot bracket lowers door closer an additional 3/4" below P3 bracket
- Non-handed



Order as 25-P3A x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2274 - Foot assembly
63-3481 & 63-2391 - Screw packs

P4 - 1" Offset Flush Frame Arm for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- Foot bracket is attached to frame or transom face
- Foot bracket is offset 1" more than P9, allowing door closer to be lowered on door face
- For use where stop or soffit is too narrow for the standard P9
- Permits 120° opening with standard mounting
- Permits 180° opening with alternate mounting
- Non-handed



Order as 25-P4 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2295 - Foot assembly
63-3481 & 63-2391 - Screw pack

P4A - 1-3/4" Offset Flush Frame Arm for use with Auxiliary Holder/Stop

- Forged Steel Arm 11-1/4" (286mm) long
- For use with auxiliary surface overhead stops and holders
- Foot bracket is attached to frame or transom face
- Foot bracket lowers door closer an additional 3/4" below P4 bracket
- Non-handed



Order as 25-P4A x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-2272 - Foot assembly
63-3481 & 63-2391 - Screw packs

P9 - Standard Parallel Arm

- Forged Steel Arm 11-1/4" (286mm) long
- Non-handed



Order as 25-P9 x finish for arm only
Includes: 63-2607 - Main arm and link assembly
63-3405 - Foot assembly
63-3481 & 63-2391 - Screw packs

UO Package

- Universal arm package provides arms and brackets to install closer in standard top jamb or parallel application



Screw packs
63-3481 & 63-2391

125-P9

UH Package

- Universal hold open arm package provides brackets and arms to install closer in top jamb, standard or parallel applications



Screw packs
63-3481 & 63-2391

125-PH9

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Experience a safer
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Accessories For Parallel Applications

281 Series Powerglide®

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Heavy Duty Parallel Arm Accessories

581-2 Blade Stop Spacer Kit



- For frames with 1/2" blade stops
- For use with P10, PH10, PS, PSH, CPS and CPSH arms
- 125-V bracket included
- Packed with 1-1/4" long screws
- Use P/N 64-0157 to order blade stop only

125-V/125-VF Brackets



125-V

- For use with all heavy duty parallel arms
- Use 125-V for narrow stop and frame conditions
- Use 125-VF for flush door and frame conditions



125-VF

Spacer 63-0191

- 1/2" x 5/8"
- Included standard with PS, PSH, PH10, P-10 CPS and CPSH arm for use with rabbited frames



Regular Duty Parallel Accessories

125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel arm



125-P3 Arm Conversion Unit

- Converts O or P9 arm to P3 Parallel arm



125-P3A Arm Conversion Unit

- Converts O or P9 arm to P3A Parallel arm



125-PH9 Parallel Arm Foot

- Converts standard hold open (H) arm to PH9 Parallel Hold Open Arm



125-P4 Conversion Unit

- Converts O or P9 arm to P4A arm



125-P4A Arm Conversion Unit

- Converts O or P9 arm to P4A arm



581-1 Blade Stop Spacer Kit



- For frames with 1/2" blade stops
- For use with P9, PH9 and PF9 arms only
- Packed with 1-1/4" long screws

Miscellaneous Accessories

281-J Cover Plate

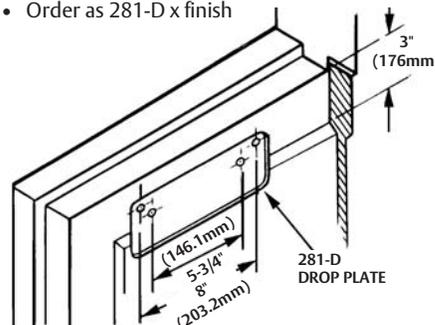


- Can be used to improve appearance when narrow door rail permits closer to be viewed through glass panel
- Use 281-J-2 plate when retrofitting 250/251 Series door closer

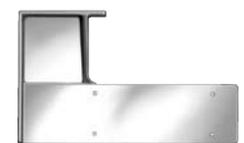
281-D Drop Plate



- Required for parallel arm applications when top rails are less than 5 3/4"
- Requires 3" (76mm) minimum top rail
- Available with powder coat or plated finish to match closer
- Non-handed – Plate mounting screws included
- Order as 281-D x finish



281-W Corner Bracket



- Fastens securely to both the head and jamb
- Malleable iron, painted to match closer finish
- Non-handed
- Requires 1-1/4" (32mm) minimum wide stop
- Order as 281-W x finish

Covers

- Available in plastic (standard), ABS, Metal, or Lead Lined
- Lead Lined covers are available as a special. Consult factory for pricing

Track Type Applications

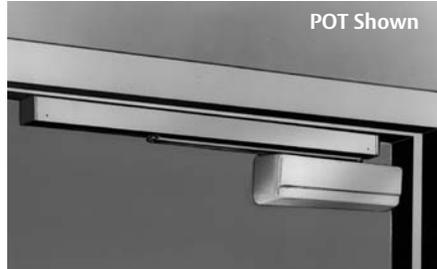
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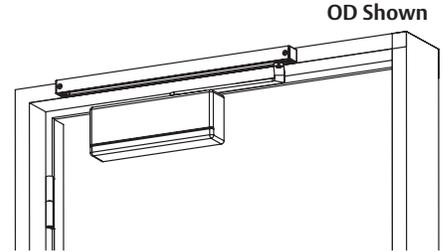
Pull Side Mounting (Hinge Side)



Push Side Mounting (Stop Side)



Double Egress Frame Mounting (Stop Side Deep Reveal)



281 Track Type Application offers a number of options such as built in bumpers and holders. Along with its clean appearance, it is a favorite for many interior designers. It has the versatility of being mounted on either side of a door for the clean unobstructed appearance without the cost of concealed closers and tracks.

OT Track Arm

- Track mounts on frame face "OT"
- Minimum top rail required without mounting plate: 2-3/8"

Note: Based on the application; verify door & frame requirements using the appropriate template

Maximum Door Opening

- 160° with standard track
- 120° with optional bumper track
- 180° with ideal conditions for standard track

Hold Open Range

- 85° – 120°

POT Track Arm

- Track mounts on frame stop "POT"
- Minimum top rail required without drop plate: 4-3/4" (121mm)
- With 281D Drop Plate 3" (76mm)

Maximum Door Opening

- 100° with standard track
- 95° with optional bumper track

Hold Open Range

- 85° – 95°

Minimum Soffit Required

- 1-9/16" (40mm) wide

OD Double Egress Track Arm

- Forged steel arm
- Handed
- Special frame profile required
- For use with 3" – 4" reveals
- Non standard frame required

Maximum Door Opening

- 160° with standard track
- 120° with optional bumper track

Hold Open Range

- 85° – 120°

Track

- Extruded aluminum track
- End caps finished to match track

Arm

- Forged steel
- Bearing roller

Bumper (Optional)

- Mounts in track to assist backcheck
- Not designed to be used as a stop
- Auxiliary stop is required
- Available for both regular or hold open tracks

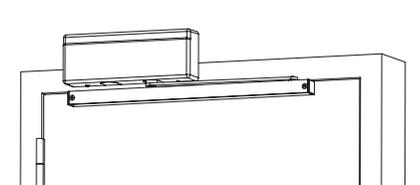
Holder (Optional)

- Mounts within the track
- Adjustable latch tension and position

Finishes

- EAB, EB, ED, EN, EP powder coat on all exposed surfaces

281 OT - Installed in Top Jamb Application. Use template A7975A



Arm & Track	Description/Options
281—OT	Pull
281—OTB	Pull with Bumper
281—HT	Pull with Holder
281—HTB	Pull with Holder and Bumper
281—OD	Pull Double Egress (Handed) (Non-standard frame required)
281—ODB	Pull Double Egress with Bumper (Handed) (Non-standard frame required)
281—HD	Pull Double Egress with Holder (Handed) (Non-standard frame required)
281—HDB	Pull Double Egress with Holder and Bumper (Handed) (Non-standard frame required)
281—POT	Push
281—POTB	Push with Bumper
281—PHT	Push with Holder
281—PHTB	Push with Holder and Bumper

Note: Two mounting applications are available

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Standard and Parallel Arm Security Solutions

281 Series Powerglide®

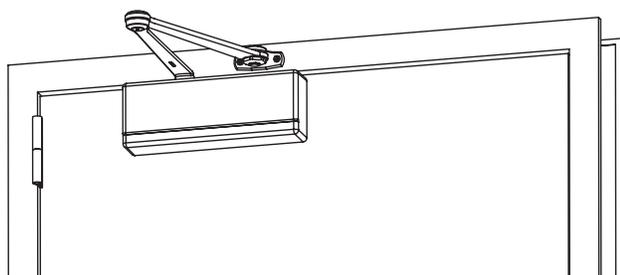
SARGENT
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With its heavy duty cast iron construction, the 281 door closer is an ideal choice when selecting a closer for detention or security applications. While no surface mount door closer is impervious to all situations, the forged steel arms, metal cover and security screws give the 281 line of security closers a high tolerance for extreme abuse.

Standard Heavy Duty Security Applications

When the strongest closing forces are required in rough environments, the SARGENT SSO arm is the best choice.

SSO - Standard Heavy Duty (Pull Side)



O10 Heavy Duty Standard Arm

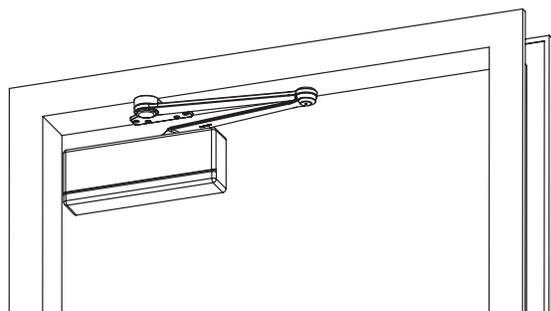
SSO Features:

- Metal cover (handed) with tamper proof security screws
- Factory assembled arm to prevent tampering
- Heavy duty forged steel arms that will endure abuse
- Oil bronze bearings in arms for superior wear resistance
- Non-handed arms and closer – only the cover is handed
- Permits 180° opening with alternate mounting if adjacent frame does not interfere with cover
- All exposed fasteners are Security Torx machine screws

Parallel Arm Security Application

The SARGENT parallel application security arm provides increased resistance to abuse with a similar range of closing forces as the SSO.

SSP - Heavy Duty (Push Side)



P10 Heavy Duty Parallel Arm

SSP Features:

- Metal cover (handed) with tamper resistant security screws
- Factory assembled arm to prevent tampering
- Heavy duty forged arms that will endure abuse
- Non-handed arm and closer – only the cover is handed
- Oil bronze bearings in arms for superior wear resistance
- Permits 180° opening with alternate mounting if adjacent wall and frame do not interfere with cover
- All exposed fasteners are Security Torx machine screws

Security Track Arm Applications

With the arm tucked tightly between the top of the closer and the bottom of the track, SARGENT track type security closers provide the greatest resistance to abuse of any surface mount closer. Push and pull side applications are available.

General Features

- Forged steel arm with integrated roller
- Tamper proof security torx machine screws are provided for all exposed fasteners
- Metal cover (handed)
- Track is mounted to frame with four screws
- Track design ejects foreign objects from within track

SSPT - Pull Side Mounting (Hinge Side)

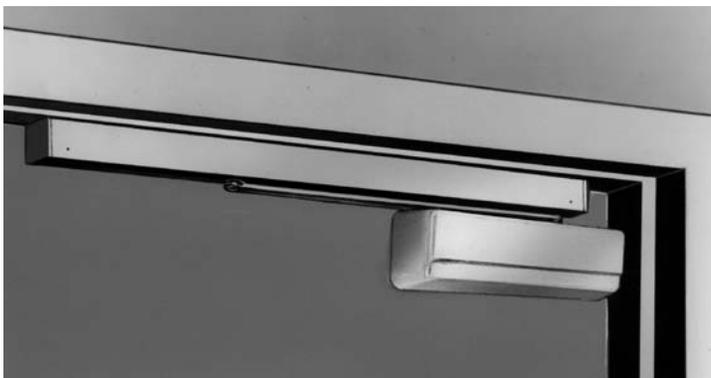


SSPT Features

- Security track with adapter bar mounted on pull side
- Track mounts to the frame face; minimum width 2-3/8"
- Maximum door opening 160°

Note: Based on the application; verify door & frame requirements using the appropriate template

PSSPT - Push Side Mounting (Stop Side)



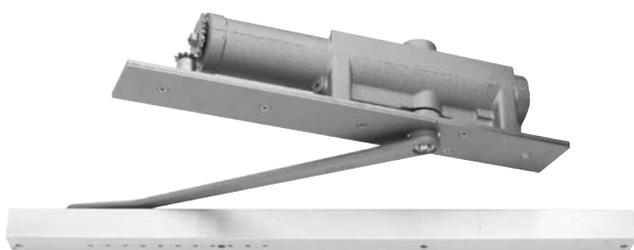
PSSPT Features

- Security track mounts on stop for push side
- Track mounts on frame stop; Minimum stop required 1-11/16"
- Maximum door opening 100°

Note: Based on the application; verify door & frame requirements using the appropriate template

268 Concealed Security Closers

For the highest degree of security and resistance to abuse, select a SARGENT 268/269 concealed door closer. See our Concealed Door Closer Catalog



How to Order and Options

281 Series Powerglide®

Packing

- Closer assemblies are packaged 2 per carton - total weight 20lbs

How to Order

Options	Series	Closer Arm	Finish	Hand
CPC-DA	281-	P4H	26	LH
31- 36- 74- ABC- CPC- DA- MC- SG- SRI- TB- EC-	281	Standard Page 7 Top Jamb Page 9 Parallel Pages 11 & 12 Track Type Page 14	EB ED EN EP EAB 03* 04* 09* 10* 10B* 10BE 10BL* 14* 15* 20D* 26* 26D* BSP	LH RH

* These finishes are automatically provided with a metal cover

Options Available

Specify	Detailed Description
31-	For doors 1-7/8" – 2-1/4" thick, specify door thickness, doors over 2-1/4" thick contact factory
36-	Security Torx Screws
74-	Lead lined cover
ABC-	Advanced Back Check
CPC-	Clear Powder Coat (available on 26 & 26D)
DA-	Delayed Action
EC-	ABS Cover
MC	Handed Metal Cover
SRI-	Special Rust Inhibitor finish for powder coated finishes (closer body only)
TB-	Through Bolt (1-3/4" Std) For others, specify TB- & door thickness

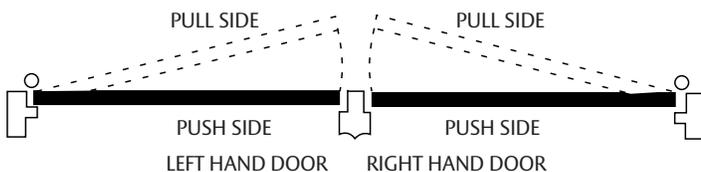
Note:

- The MC- option is used when a metal cover is desired on a powder coated finish
- When MC- is added to a plated finish, the MC- option indicates that only the cover is to be plated, the arms will be powder coated to match
- Do not specify the MC- option if both the cover and arms are to be plated

How To Order Accessories

		Example
Arm only	Specify: 25- arm required x finish	25-PSH EN x hand
Closer Body only	Specify: CB-281 (Options DA & ABC available)	CB-281
Arm Conversion Units	Specify: Unit x finish	125-P4 x EB
Cover (Standard plastic)	Specify: 281-C x finish	281-C x EB
Cover (ABS)	Specify: 281-CEC x finish	281-CEC x EP
Accessories	Specify: accessory x finish See applicable catalog section	281-D EB

Note: When complete closer assembly is ordered with an accessory, order accessory as a separate item



Special Rust Inhibitor Process (SRI)

Additional process provides an extra layer of protection for extreme corrosive environments. Available with powder coated finishes only, specify SRI- as an option when ordering.