

7400

—



Surface Applied Door Closers

# 7400 SERIES SURFACE CLOSERS



**The 7400 Series closers offer modern styling and versatility while providing safe and reliable door control.**

Featuring backcheck and adjustable spring sizes, DORMA's 7400 Series is the ideal solution in a wide variety of applications, including barrier-free. This Grade 1 hydraulic surface door closer is both flexible and easy to install. The 7400 Series offers a compact design and is available in a variety of sprayed finishes to complement any opening's decor.

**Technical Details**

- Available as 7414 with adjustable spring sizes 1–4 and 7436 with adjustable spring sizes 3–6.
-  7414 meets 5 lb interior barrier-free applications.
- Non-handed for regular, top jamb and parallel arm applications.
- Quick and easy to install.
- Compact design.
- Two noncritical adjusting valves (sweep and latch) with thermostatic properties work to provide consistent closing

speeds under a wide variety of temperatures.

- Adjustable backcheck standard. Provides cushioning when the door is abusively opened.
- Available with optional delayed action to delay door closing from maximum opening. Delay time is adjustable.
- Available with optional self-drilling screws for steel door and frame applications (DPK86).
- Available with optional self-tapping screws for aluminum door and frame applications (TPK86).
- BP640C mounting bracket can be used when installing into a 9-1/16" template hole pattern.

**Certification**

- ANSI/BHMA A156.4 Grade 1 certified.
- UL and CUL listed.
- Meets UL10C for positive pressure.
- CSFM approved.



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DORMA USA quality and environmental management systems in Reamstown, PA and Steeleville, IL are certified to ISO 9001:2008 and ISO 14001:2004.



Intertek



Intertek

**Specification**

All closers shall be DORMA 7400 Series hydraulic surface applied rack and pinion closers. The closer has two independent valves to separately control sweep and latch closing speeds and provide constant speeds when temperatures change. Standard with adjustable backcheck to provide cushioning effect in opening. All 7400 fully adjustable spring force door closers to include an integral design to positively stop adjustment of the spring at the minimum and maximum spring force settings.

**Optional Specification**

The 7400 Series closer to have delayed action (DA). Delayed action range will be effective from maximum opening to approximately 65°. All 7400 closers to have slim plastic cover (COV), full plastic cover (FC), or full plastic slotted cover (FCSL). Closers to have arm with a selective single point hold open between 80°–170° for regular

mount (FH), 70°–175° for parallel arm mount (specify FHP).

All closers to have sex nuts with machine screws for 1-3/4" door (SNB1) or 1-3/8" door (SNB2).

Closers to have self-drilling screws for steel doors and frames (DPK86). Closers to have self-tapping screws for aluminum doors and frames (TPK86).

Closers to have TORX security for all exposed fasteners (TX86).

All closers to be supplied with BP640C mounting bracket to match a 9-1/16" closer body hole pattern.

**Finishes**

**Standard Sprayed Finishes**

- Aluminum: 689.
- Bronze: 691 (Dull), 690 (Statuary), or 695 (Dark Duranodic).
- Gold: 696.
- Black: 693.

**Optional DORMA Custom Color or Designer Color Finishes**

Contact Customer Service.

**Warranty**

For details, refer to DORMA **Limited Warranty Policy** on our website at [go.dorma.com/terms](http://go.dorma.com/terms).

**REDUCED OPENING FORCE**

**INSTALLATIONS CAUTION:** Manual door closers, including those certified to meet ANSI/BHMA A156.4, when installed and adjusted to conform to ADA or other reduced opening force

requirements, may not provide sufficient power to reliably close and latch a door.

Refer to catalog for Low Energy Operator to meet reduced opening force requirements without affecting closing power.

Features	7414	7436
Spring sizes (shipped as size 4)	1-4*	3-6
Non-handed	•	•
Parallel arm bracket	•	•
Adjustable spring sizes	•	•
Fixed spring sizes	-	-
Controlled closing with two adjustment valves	180°-10° 10°-0°	180°-10° 10°-0°
Backcheck	•	•
Delayed action	•	•
Hold open	•	•
Self-drilling screws	•	•
Self-tapping screws	•	•
Tamper-resistant TORX screws	•	•
Slim plastic cover	•	•
Full plastic cover	•	•

• yes - no ○ optional

\* Meets 5 lb maximum opening force on 3'-0" wide interior doors.

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# HOW TO ORDER 7400 SERIES

Series	Spring Size			Cover		Accessory Plates*		Other Accessories*						
	7400	14	36	COV	FC	DPXX	BPXX	ABXX	XXHD	PFT	PD	MJ	BS	BSHD
	Adjustable 1-4	Adjustable 3-6	Delay	Slim Cover	Full Plastic	Drop Plate	Back Plate	Angle Bracket	Heavy Duty Bracket	PA Transom Bracket	PA Drop Bracket	Mortise Jamb Bracket	Blade Stop Spacer	Blade Stop Heavy Duty
	74	14	DA	ARP	FC	COMBO								
					FCSL									
Round Arm Non-Hold Open, Tri-Pack				ARP		COMBO		600	Primed					
Round Arm Non-Hold Open, TJ 4"-8" Reveal				ARJ		SNB1		689	Aluminum					
Round Arm Non-Hold Open, TJ 0"-4" Reveal				AR		SNB2		690	Statuary Bronze					
Round Arm Secure Non-Hold Open, Tri-Pack				A08P		DPK86		691	Dull Bronze					
Round Arm Secure Non-Hold Open, Reg./TJ 0"-4" Reveal				A08		CMBDPK		693	Black					
Friction Hold Open, Tri-Pack				FHP		TPK86		695	Dark Duranodic Bronze					
Friction Hold Open, TJ 4"-8" Reveal				FHJ		CMBTPK		696	Gold					
Friction Hold Open, Reg./TJ 0"-4" Reveal				FH		TX86		PNT	Special Sprayed Finish (must specify)					
Door Saver Parallel Cushion Arm				DS		AWS								
Door Saver Parallel Cushion Arm Thumb Turn Hold Open				DST		METRIC								
Door Saver Parallel Cushion Arm Hex Key Turn Hold Open				DSK										
Spring Door Saver Parallel Dead Stop				SDS										
Spring DS Parallel Dead Stop Thumb Turn Hold Open				SDST										
Integra Cushion Arm Reg./TJ 0"-3-1/2" Reveal				IS										
Spring Integra Stop Reg./TJ 0"-3-1/2" Reveal				ISH	Integra Cushion Arm Hold Open, 0"-3-1/2" Reveal									
Integra Cushion Arm Top Jamb 3-1/2"-6-1/2" Reveal				SIS										
Spring Integra Stop Hold Open, Reg./TJ 0"-3-1/2" Reveal				SISH	Spring Integra Stop Hold Open, Reg./TJ 0"-3-1/2" Reveal									
Integra Cushion Arm Top Jamb 3-1/2"-6-1/2" Reveal				ISJ										
Spring Integra Stop Top Jamb 3-1/2"-6-1/2" Reveal				ISJH	Integra Cushion Arm Hold Open, Top Jamb 3-1/2"-6-1/2" Reveal									
Spring Integra Stop Top Jamb 3-1/2"-6-1/2" Reveal				SISJ										
Spring Integra Stop Top Jamb 3-1/2"-6-1/2" Reveal				SISJH	Spring Integra Stop Hold Open, Top Jamb 3-1/2"-6-1/2" Reveal									
Super Parallel Arm				SPA										
Super Parallel Arm Thumb Turn Hold Open				SPAT										
Track, Pull Side Door Mounted				T										
Jamb Track, Pull Side Frame Face Mounted				JT										
Push Track, Push Side Soffit Mounted				PT										
Track Double Egress, Pull Side Transom Mounted (7436 only)				TDE										
Flush Track, Push Side Transom Mounted				FT										
Track Hold Open, Pull Side Door Mounted				TH										
Push Track Hold Open, Push Side Soffit Mounted				JTH	Jamb Track Hold Open, Pull Side Frame Face Mounted									
Push Track Hold Open, Push Side Soffit Mounted				PTH										
Flush Track Hold Open, Pull Side Frame Face Mounted				TDEH	Track Double Egress Hold Open, Pull Side Frame Face Mounted (7436 only)									
Flush Track Hold Open, Pull Side Frame Face Mounted				FTH										

**NOTES:**

- All combinations of features and options are not available for all models.
- To simplify initial installation, a range of back plates (BPxx), drop plates (DPxx), brackets, and spacers are available. Refer to **Accessories** section for details

**Technical Drawing Symbols & Notes**

- – Recommended application
- N/A – Not applicable/application not recommended
- ⊗ – Opening force 5 lb or less on interior doors; 8.5 lb or less on exterior doors where door without closer attached requires 1 lb opening force or less.

## REGULAR × ROUND FORM ARM

7414 AR  
7436 AR

7414 A08  
7436 A08

4-1/2" x 4-1/2" Butt Hinges

Minimum door rail for mounting closer 2-1/2".  
Minimum door rail to bottom of slim plastic cover 2-5/8".  
Minimum door rail to bottom of optional full plastic cover 3-5/8".

(Right Hand)

Template Ref.	Approximate Maximum Opening	Approximate Backcheck	Approximate Delayed Action	Size Selection Chart					
				Door Width					
				2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	
7414	Interior	•	•	⊗	⊗	N/A	N/A	N/A	
	Exterior	•	•	⊗	N/A	N/A			
7436	Interior	N/A	N/A	•	•	•	•		
	Exterior	N/A	N/A	•	•	•	•		

## REGULAR × FRICTION HOLD OPEN

7414 FH  
7436 FH

4-1/2" x 4-1/2" Butt Hinges

Minimum door rail for mounting closer 2-5/8".  
Minimum door rail to bottom of slim plastic cover 2-3/4".  
Minimum door rail to bottom of optional full plastic cover 3-3/4".

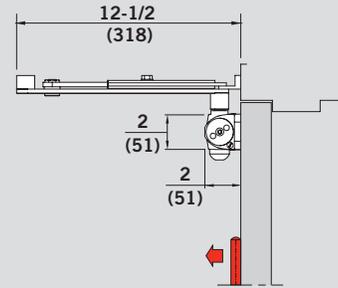
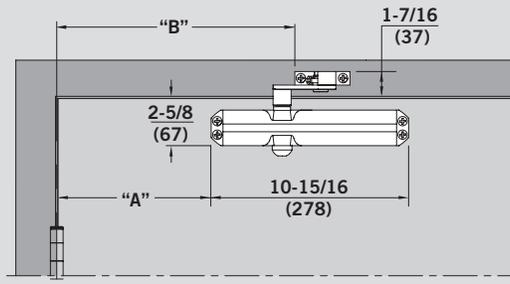
(Right Hand)

Template Ref.	Dim "A"	Dim "B"	Approximate Maximum Opening	Approximate Backcheck	Approximate Delayed Action	Min. Hold Open	Max. Hold Open	Size Selection Chart					
								Door Width					
								2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	
To 100°	7-1/8" (181)	12-5/8" (321)	110°	65°-110°	110°-65°	80°	110°						
100° to 120°	6-1/8" (155)	11-5/8" (295)	125°	70°-125°	125°-70°	90°	125°						
Over 120°	3-5/8" (92)	9-1/8" (232)	180°	85°-180°	180°-85°	100°	170°						

# REGULAR × CUSHION IS ARM

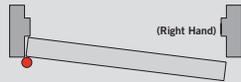
7414 IS/ISH

7436 IS/ISH



4-1/2" x 4-1/2" Butt Hinges

Minimum door rail for mounting closer 2".  
 Minimum door rail to bottom of slim plastic cover 2-5/8".  
 Minimum door rail to bottom of optional full cover 3-5/8".



Size Selection Chart

Closer	Interior/ Exterior	Door Width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	•	⊘	⊘	N/A
	Exterior	•	•	⊘	N/A	N/A
7436	Interior	N/A	N/A	•	•	•
	Exterior	N/A	•	•	•	•

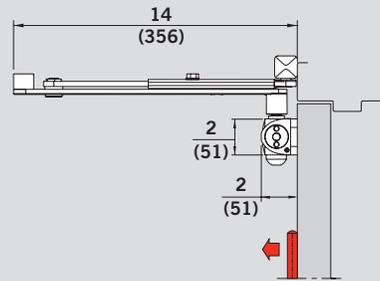
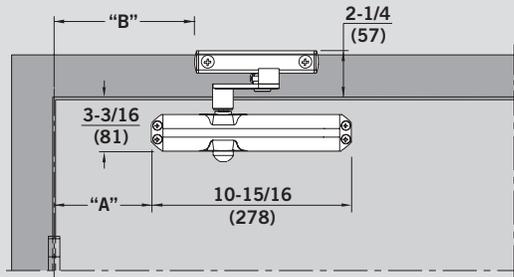
Template Ref.	Dim "A"	Dim "B"	*Cushion/ Hold Open	Approximate Backcheck	Approximate Delayed Action
85°	7-11/16" (195)	13-7/8" (352)	85°	55°-85°	85°-55°
90°	7" (178)	13-1/2" (343)	90°	60°-90°	90°-60°
95°	6-3/16" (157)	13-1/4" (337)	95°	65°-95°	95°-65°
100°	6-1/8" (156)	12-5/8" (321)	100°	70°-100°	100°-70°
105°	5-11/16" (144)	12-1/4" (311)	105°	75°-105°	105°-75°
110°	5-1/4" (133)	11-7/8" (302)	110°	75°-110°	110°-75°

\* Hold Open is approximately 5°-7° less than the cushion angle listed in the chart.

# REGULAR × SPRING STOP IS ARM

7414 SIS/SISH

7436 SIS/SISH



4-1/2" x 4-1/2" Butt Hinges

Minimum door rail for mounting closer 2-1/2".  
 Minimum door rail to bottom of slim plastic cover 2-5/8".  
 Minimum door rail to bottom of optional full cover 3-5/8".



Size Selection Chart

Closer	Interior/ Exterior	Door Width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	•	⊘	⊘	N/A
	Exterior	•	•	⊘	N/A	N/A
7436	Interior	N/A	N/A	•	•	•
	Exterior	N/A	•	•	•	•

Template Ref.	Dim "A"	Dim "B"	*Dead Stop/ Hold Open	Approximate Backcheck	Approximate Delayed Action
85°	9" (229)	11-9/16" (294)	85°	55°-85°	85°-55°
90°	8-1/2" (215)	11-1/16" (281)	90°	60°-90°	90°-60°
100°	7-1/2" (191)	10-1/16" (256)	100°	70°-100°	100°-70°
110°	6-3/4" (172)	9-5/16" (237)	110°	75°-110°	110°-75°

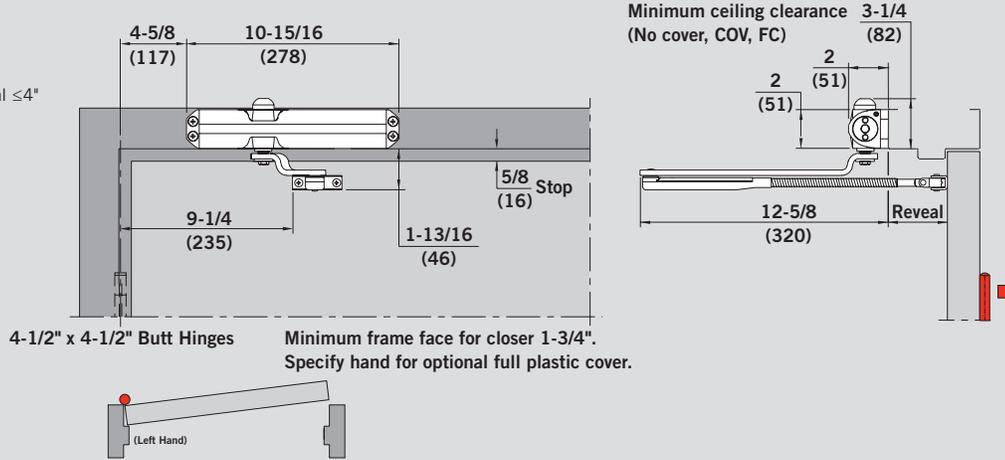
\* Hold Open is approximately 5°-7° less than the dead stop angle listed in the chart.

# TOP JAMB x ROUND FORM ARM

7414 ARJ  
(>4" to 8" reveal)

7436 ARJ  
(>4" to 8" reveal)

NOTE: Use AR for reveal ≤ 4"



Size Selection Chart

Closer	Interior/ Exterior	Door Width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	•	⊗	⊗	N/A
	Exterior	•	•	⊗	N/A	N/A
7436	Interior	N/A	N/A	•	•	•
	Exterior	N/A	•	•	•	•

Template Ref.	Reveal	Arm	Approximate Maximum Opening	Approximate Backcheck	Approximate Delayed Action
To 180°	0"	AR	180°	70°-180°	180°-60°
	4"	AR	180°	75°-180°	180°-70°
	>4"	<b>ARJ</b>	<b>180°</b>	<b>75°-180°</b>	<b>180°-70°</b>
	8"	<b>ARJ</b>	<b>165°</b>	<b>80°-165°</b>	<b>165°-75°</b>

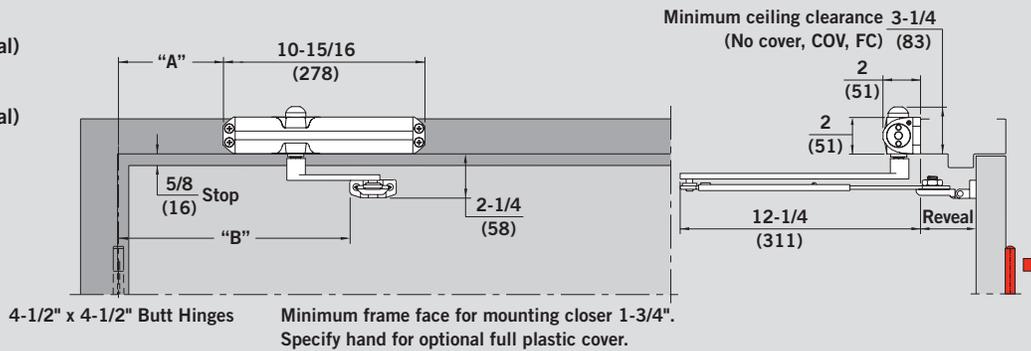
NOTE: Bold type shows supplied arm.

# TOP JAMB x FRICTION HOLD OPEN

7414 FHJ  
(>4" to 8" reveal)

7436 FHJ  
(>4" to 8" reveal)

NOTE: Use FH for reveal ≤ 4"



Size Selection Chart

Closer	Interior/ Exterior	Door Width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	•	⊗	⊗	N/A
	Exterior	•	•	⊗	N/A	N/A
7436	Interior	N/A	N/A	•	•	•
	Exterior	N/A	•	•	•	•

Template Ref.	Dim "A"	Dim "B"	Reveal	Arm	Approx. Maximum Opening	Approx. Backcheck	Approx. Delayed Action	Min. Hold Open	Max. Hold Open
To 100°	7-5/8" (194)	13-1/8" (333)	0"	FH	110°	70°-110°	110°-70°	70°	105°
			4"	FH	105°	75°-105°	105°-75°	70°	100°
			>4"	<b>FHJ</b>	<b>105°</b>	<b>75°-105°</b>	<b>105°-75°</b>	<b>70°</b>	<b>100°</b>
			8"	<b>FHJ</b>	<b>100°</b>	<b>80°-100°</b>	<b>100°-80°</b>	<b>70°</b>	<b>95°</b>
To 120°	6-1/8" (155)	11-5/8" (295)	0"	FH	125°	75°-125°	125°-75°	75°	120°
			4"	FH	120°	80°-120°	120°-80°	75°	115°
			>4"	<b>FHJ</b>	<b>120°</b>	<b>80°-120°</b>	<b>120°-80°</b>	<b>75°</b>	<b>115°</b>
			8"	<b>FHJ</b>	<b>115°</b>	<b>85°-115°</b>	<b>115°-85°</b>	<b>75°</b>	<b>110°</b>
Over 120°	3-5/8" (92)	9-1/8" (232)	0"	FH	180°	85°-180°	180°-85°	80°	170°
			4"	FH	180°	90°-180°	180°-90°	80°	170°
			>4"	<b>FHJ</b>	<b>180°</b>	<b>90°-180°</b>	<b>180°-90°</b>	<b>80°</b>	<b>170°</b>
			8"	<b>FHJ</b>	<b>165°</b>	<b>100°-165°</b>	<b>165°-100°</b>	<b>85°</b>	<b>155°</b>

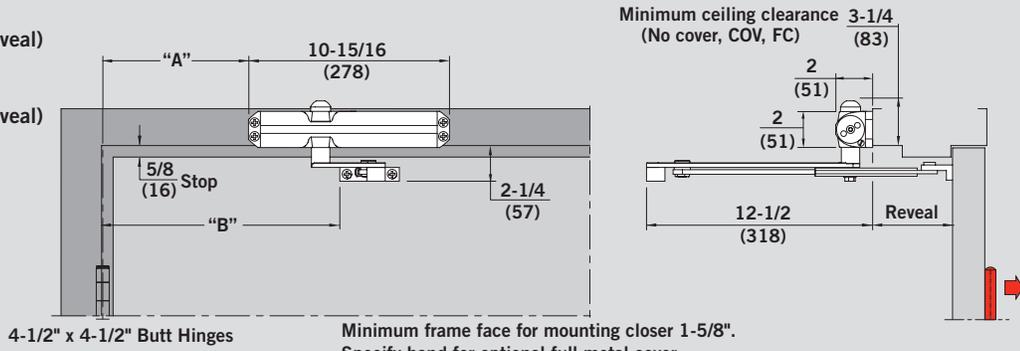
NOTE: Bold type shows supplied arm.

# TOP JAMB × CUSHION IS ARM

7414 ISJ/ISJH  
(>3-1/2" to 6-1/2" reveal)

7436 ISJ/ISJH  
(>3-1/2" to 6-1/2" reveal)

NOTE: Use IS for reveal ≤3-1/2"



4-1/2" x 4-1/2" Butt Hinges

Minimum frame face for mounting closer 1-5/8".  
Specify hand for optional full metal cover.



Template Ref.	Dim "A"	Dim "B"	Reveal	Arm	*Cushion/ Hold Open	Approximate Backcheck	Approximate Delayed Action
85°	6-1/2" (165)	12-5/8" (321)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	IS <b>ISJ</b>	85° <b>85°</b>	55°-85° <b>55°-85°</b>	85°-55° <b>85°-55°</b>
90°	5-3/4" (146)	12-1/8" (308)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	IS <b>ISJ</b>	90° <b>90°</b>	60°-90° <b>60°-90°</b>	90°-60° <b>90°-60°</b>
95°	5-1/2" (140)	11-3/4" (298)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	IS <b>ISJ</b>	95° <b>95°</b>	65°-95° <b>65°-95°</b>	95°-65° <b>95°-65°</b>
100°	5-1/4" (133)	11-1/4" (286)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	IS <b>ISJ</b>	100° <b>100°</b>	70°-100° <b>70°-100°</b>	100°-70° <b>100°-70°</b>
105°	5" (127)	11" (279)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	IS <b>ISJ</b>	105° <b>105°</b>	75°-105° <b>75°-105°</b>	105°-75° <b>105°-75°</b>
110°	4-3/4" (121)	10-3/4" (273)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	IS <b>ISJ</b>	110° <b>110°</b>	75°-110° <b>75°-110°</b>	110°-75° <b>110°-75°</b>

Size Selection Chart

Closer	Interior/ Exterior	Door Width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	•	⊘	⊘	N/A
	Exterior	•	•	⊘	N/A	N/A
7436	Interior	N/A	N/A	•	•	•
	Exterior	N/A	•	•	•	•

\* Hold Open is approximately 5°-7° less than the cushion angle listed in the chart.

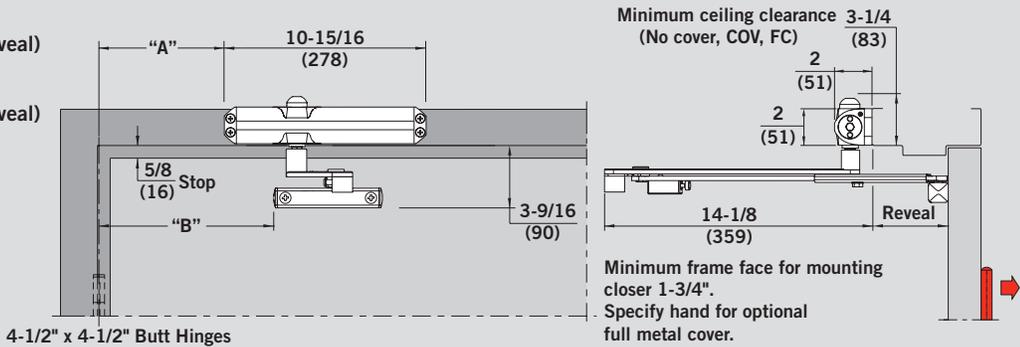
NOTE: Bold type shows supplied arm.

# TOP JAMB × SPRING STOP IS ARM

7414 SISJ/SISJH  
(>3-1/2" to 6-1/2" reveal)

7436 SISJ/SISJH  
(>3-1/2" to 6-1/2" reveal)

NOTE: Use SIS for reveal ≤3-1/2"



4-1/2" x 4-1/2" Butt Hinges

Minimum frame face for mounting closer 1-3/4".  
Specify hand for optional full metal cover.



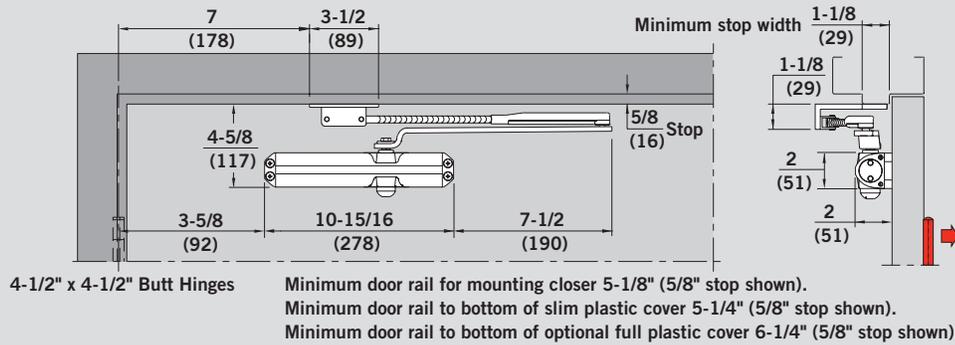
Template Ref.	Dim "A"	Dim "B"	Reveal	Arm	*Dead Stop/ Hold Open	Approximate Backcheck	Approximate Delayed Action
85°	8-1/2" (216)	11-1/16" (281)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	SIS <b>SISJ</b>	85° <b>85°</b>	55°-85° <b>55°-85°</b>	85°-55° <b>85°-55°</b>
90°	7-7/8" (200)	10-7/16" (266)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	SIS <b>SISJ</b>	90° <b>90°</b>	60°-90° <b>60°-90°</b>	90°-60° <b>90°-60°</b>
100°	7" (178)	9-9/16" (243)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	SIS <b>SISJ</b>	100° <b>100°</b>	70°-100° <b>70°-100°</b>	100°-70° <b>100°-70°</b>
110°	6-3/8" (162)	8-15/16" (227)	0"-3-1/2" <b>&gt;3-1/2"-6-1/2"</b>	SIS <b>SISJ</b>	110° <b>110°</b>	75°-110° <b>75°-110°</b>	110°-75° <b>110°-75°</b>

\* Hold Open is approximately 5°-7° less than the dead stop angle listed in the chart.

NOTE: Bold type shows supplied arm.

# PARALLEL ARM × ROUND FORM ARM

7414 ARP  
7436 ARP  
7414 AO8P  
7436 AO8P



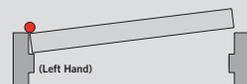
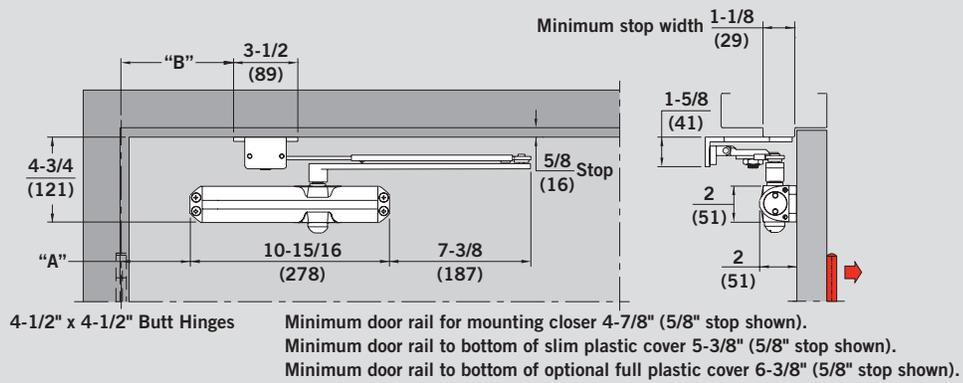
Size Selection Chart

		Door Width			
Closer	Interior/ Exterior	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	⊘	N/A	N/A
	Exterior	•	N/A	N/A	N/A
7436	Interior	•	•	•	•
	Exterior	•	•	•	N/A

Template Ref.	Approximate Maximum Opening	Approximate Backcheck	Approximate Delayed Action	Minimum door Width
To 180°	180°	75°-180°	180°-75°	26"

# PARALLEL ARM × FRICTION HOLD OPEN

7414 FHP  
7436 FHP



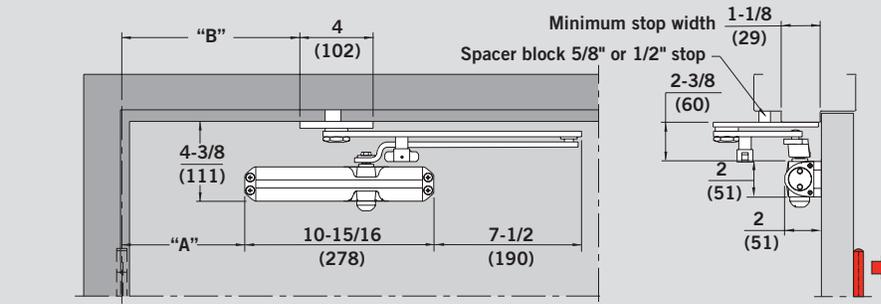
Size Selection Chart

		Door Width			
Closer	Interior/ Exterior	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	⊘	N/A	N/A
	Exterior	•	N/A	N/A	N/A
7436	Interior	•	•	•	•
	Exterior	•	•	•	N/A

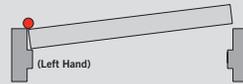
Template Ref.	Dim "A"	Dim "B"	Approximate Maximum Opening	Approximate Backcheck	Approximate Delayed Action	Min. Hold Open	Max. Hold Open	Min. Door Width
To 100°	5-1/2" (140)	9" (228)	110°	80°-110°	110°-80°	45°	105°	29"
Over 100°	3" (76)	6-1/2" (165)	180°	95°-180°	180°-95°	45°	175°	24"

# HEAVY-DUTY SUPER PARALLEL ARM

7436 SPA/SPAT



4-1/2" x 4-1/2" Butt Hinges  
 Minimum door rail for mounting closer 4-5/8" (5/8" stop shown).  
 Minimum door rail to bottom of slim plastic cover 4-3/4" (5/8" stop shown).  
 Minimum door rail to bottom of optional full cover 5-3/4" (5/8" stop shown).

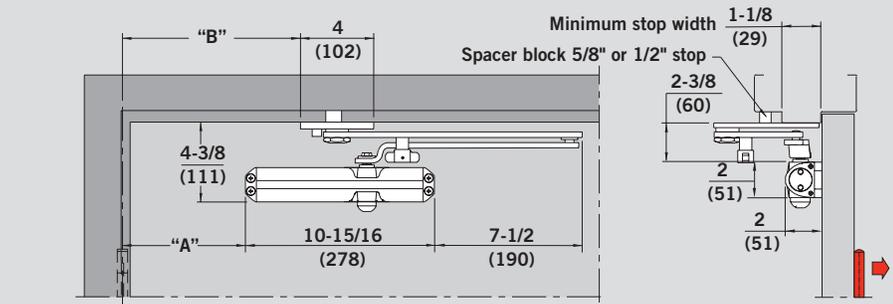


Size Selection Chart		Door Width				
Closer	Interior/ Exterior	2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	N/A	•	•	•	•
	Exterior	•	•	•	•	N/A

Template Ref.	Dim "A" Closer	Dim "B" Soffit Plate	Approximate Maximum Opening	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
To 100° H.O. 90°	5-5/8" (143)	9-1/8" (232)	100°	60°-100°	100°-75°	26"
To 180° H.O. 123°	2" (51)	5-1/2" (140)	180°	80°-180°	180°-95°	23"

# HEAVY-DUTY PARALLEL ARM DOOR SAVER × CUSHION

7436 DS/DST/DSK



4-1/2" x 4-1/2" Butt Hinges  
 Minimum door rail for mounting closer 4-5/8" (5/8" stop shown).  
 Minimum door rail to bottom of slim plastic cover 4-3/4" (5/8" stop shown).  
 Minimum door rail to bottom of optional full cover 5-3/4" (5/8" stop shown).



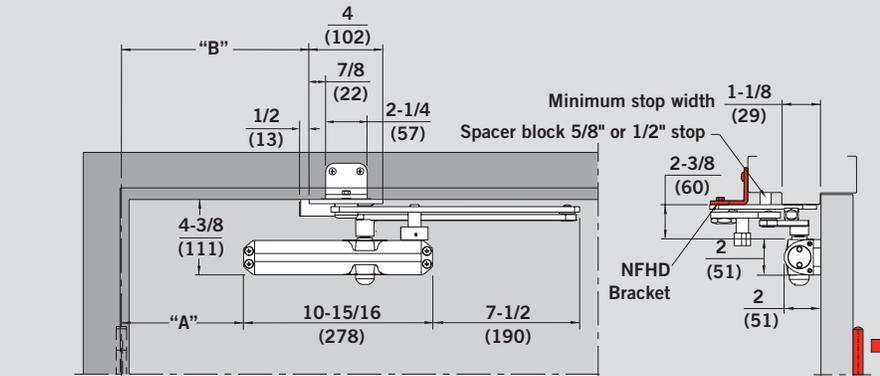
Size Selection Chart		Door Width				
Closer	Interior/ Exterior	2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	N/A	•	•	•	•
	Exterior	•	•	•	•	N/A

Template Ref.	Dim "A" Closer	Dim "B" Soffit Plate	*Cushion/ Hold Open	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
85°	6" (153)	10" (254)	85°	50°-85°	85°-65°	26"
90°	5-1/8" (131)	9-1/4" (235)	90°	55°-90°	90°-70°	25"
100°	4" (102)	8" (203)	100°	60°-100°	100°-75°	24"
110°	2-3/4" (70)	6-7/8" (175)	110°	65°-110°	110°-80°	23"

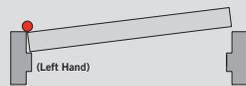
\* Hold Open is approximately 1°-2° less than the cushion angle listed in the chart.

# HEAVY-DUTY PARALLEL ARM × SPRING DOOR SAVER

7436 SDS/SDST



4-1/2" x 4-1/2" Butt Hinges  
 Minimum door rail for mounting closer 4-5/8" (5/8" stop shown).  
 Minimum door rail to bottom of slim plastic cover 4-3/4" (5/8" stop shown).  
 Minimum door rail to bottom of optional full cover 5-3/4" (5/8" stop shown).



Size Selection Chart

Closer	Interior/ Exterior	Door Width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	N/A	•	•	•	•
	Exterior	•	•	•	•	N/A

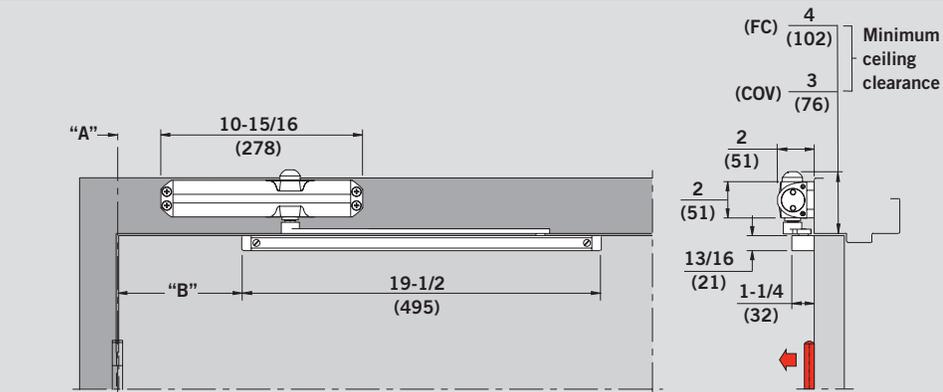
Template Ref.	Dim "A" Closer	Dim "B" Soffit Plate	*Dead Stop/ Hold Open	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
85°	6" (153)	10" (254)	85°	50°-85°	85°-65°	26"
90°	5-1/8" (131)	9-1/4" (235)	90°	55°-90°	90°-70°	25"
100°	4" (102)	8" (203)	100°	60°-100°	100°-75°	24"
110°	2-3/4" (70)	6-7/8" (175)	110°	65°-110°	110°-80°	23"

\* Hold Open is approximately 5°-7° less than the dead stop angle listed in the chart.

# TRACK — PULL SIDE DOOR MOUNTED

7436 T

7436 TH



4-1/2" x 4-1/2" Butt Hinges  
 Minimum frame face for mounting closer 2-7/8".  
 Optional BP86T plate required for slim plastic cover.  
 Optional BP86TFC plate required for full cover.  
 Specify hand.



Size Selection Chart

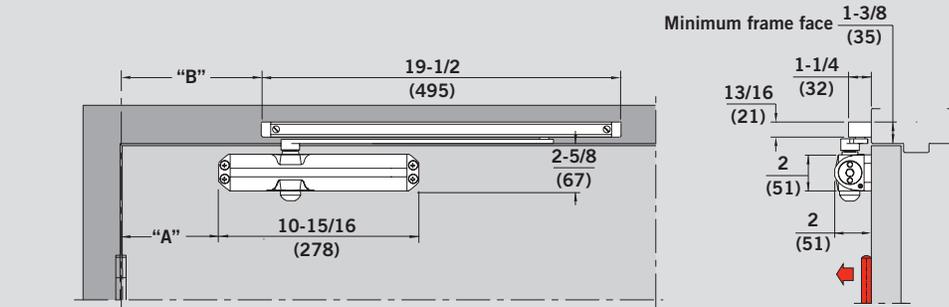
Closer	Interior/ Exterior	Door Width			
		2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	•	•	•	N/A
	Exterior	•	•	N/A	N/A

Template Ref.	Dim "A"	Dim "B"	Cushion	Maximum Hold Open	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
85°	2-5/8" (60)	9-5/8" (244)	85°	83°	65°-85°	85°-65°	31"
90°	2-5/8" (60)	8-5/8" (219)	90°	88°	65°-90°	90°-65°	30"
110°	1-3/8" (44)	6-3/4" (171)	110°	108°	70°-110°	110°-70°	27"
180°	7/8" (22)	4-1/8" (105)	180°	160°	80°-180°	180°-80	25"

# JAMB TRACK — PULL SIDE FRAME MOUNTED

7436 JT

7436 JTH



4-1/2" x 4-1/2" Butt Hinges

Minimum door rail for mounting closer 2-3/8".  
 Minimum door rail to bottom of slim plastic cover 2-1/2".  
 Minimum door rail to bottom of optional full cover 3-1/2".



Size Selection Chart

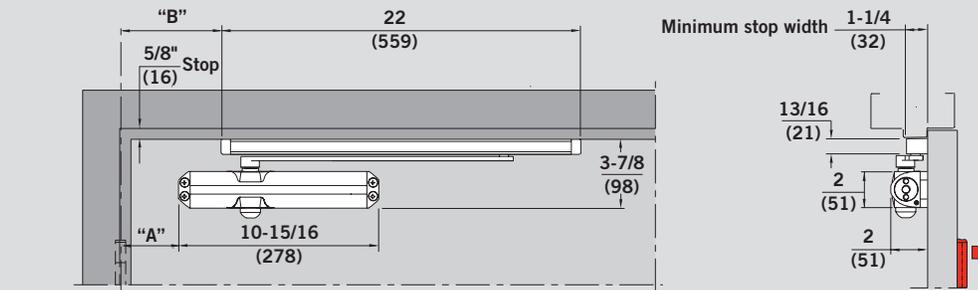
Closer	Interior/ Exterior	Door Width			
		2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	•	•	•	N/A
	Exterior	•	•	N/A	N/A

Template Ref.	Dim "A"	Dim "B"	Cushion	Maximum Hold Open	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
85°	6-1/8" (156)	8" (203)	85°	80°	60°-85°	85°-60°	31"
90°	6-5/8" (168)	7-1/2" (191)	90°	85°	65°-90°	90°-65°	30"
100°	4-3/8" (111)	5-3/4" (146)	110°	100°	80°-110°	110°-80°	28"
110°	3-7/8" (98)	3-3/8" (86)	175°	145°	95°-180°	175°-95°	25"

# PUSH TRACK — PUSH SIDE SOFFIT MOUNTED

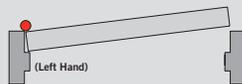
7436 PT

7436 PTH



4-1/2" x 4-1/2" Butt Hinges

Minimum door rail for mounting closer 4-3/8" (5/8" stop shown).  
 Minimum door rail to bottom of slim plastic cover 4-1/2" (5/8" stop shown).  
 Minimum door rail to bottom of optional full cover 5-1/2" (5/8" stop shown).



Size Selection Chart

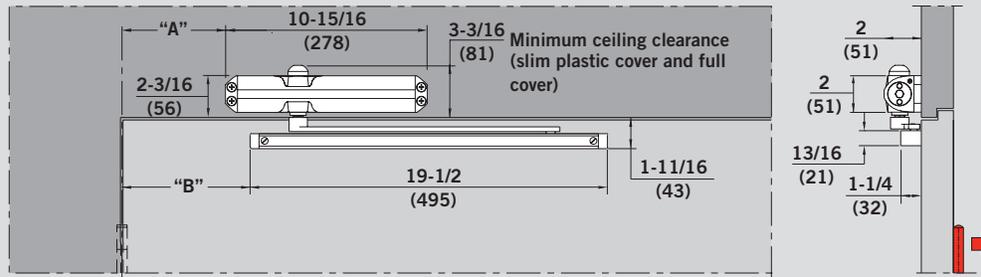
Closer	Interior/ Exterior	Door Width			
		2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	•	•	•	N/A
	Exterior	•	•	N/A	N/A

Template Ref.	Dim "A"	Dim "B"	Cushion	Maximum Hold Open	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
85°	3-1/4" (83)	9-1/8" (232)	85°	82°	65°-85°	85°-65°	33"
90°	3-1/4" (83)	7-1/2" (191)	90°	87°	65°-90°	90°-65°	31"
100°	3-1/4" (83)	5-1/2" (140)	100°	97°	65°-100°	100°-65°	29"

# FLUSH TRACK — PUSH SIDE DOOR MOUNTED × BACKPLATE

7436 FT BP86T

7436 FTH BP86T



4-1/2" x 4-1/2" Butt Hinges

Minimum transom surface for BP74T or optional plates 1-13/16".  
 Optional BP86T plate required for slim plastic cover.  
 Optional BP86FTFC plate required for full cover.  
 Specify hand for optional full cover.



Size Selection Chart

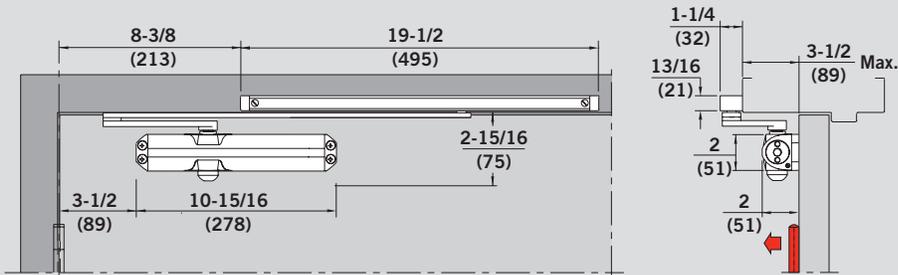
Closer	Interior/ Exterior	Door Width			
		2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	•	•	•	N/A
	Exterior	•	•	N/A	N/A

Template Ref.	Dim "A"	Dim "B"	Cushion	Maximum Hold Open	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
85°	4-7/8" (124)	6-3/8" (162)	85°	82°	60°-85°	85°-60°	29"
90°	4-3/8" (111)	6-1/16" (154)	90°	87°	65°-90°	90°-65°	28"
100°	3-3/8" (86)	4-3/4" (121)	110°	105°	75°-110°	110°-75°	26"
140°	2-3/8" (60)	4" (102)	135°	125°	85°-135°	135°-85°	25"

# TRACK DOUBLE EGRESS — PULL SIDE FRAME MOUNTED

7436 TDE

7436 TDEH



4-1/2" x 4-1/2" Butt Hinges

Minimum door rail for mounting closer 2-11/16".  
 Minimum door rail to bottom of slim plastic cover 2-13/16".  
 Minimum door rail to bottom of full cover 3-13/16"  
 Arm requires a minimum 3-3/4" clearance between door face and wall when opening 90° and greater.

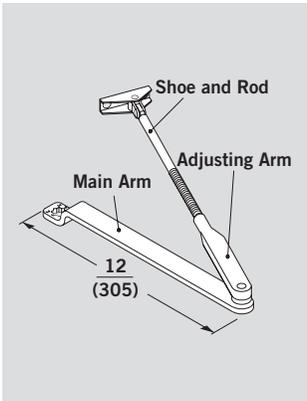


Size Selection Chart

Closer	Interior/ Exterior	Door Width			
		2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	•	•	•	N/A
	Exterior	•	•	N/A	N/A

Template Ref.	Cushion	Maximum Hold Open	Approximate Backcheck	Approximate Delayed Action	Minimum Door Width
117°	117°	110°	70°-117°	117°-70°	28"

**Round Form Arm (8 mm rod)**

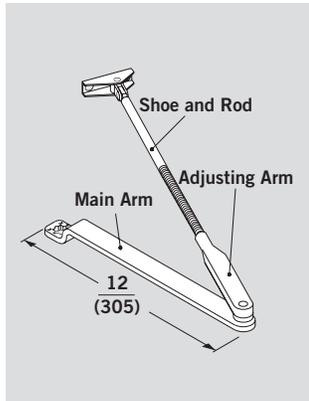


**AR** — Complete Arm Assembly (0"–4" [0 mm–102 mm] reveal) with 8 mm rod. Arm is non-handed.

**ARP** — Parallel round form arm complete (Tri-Pack) (0"–4" [0 mm–102 mm] reveal). P86 included.

**AMR04** — Regular non-hold open main arm and adjusting arm. Accepts 8 mm rod.

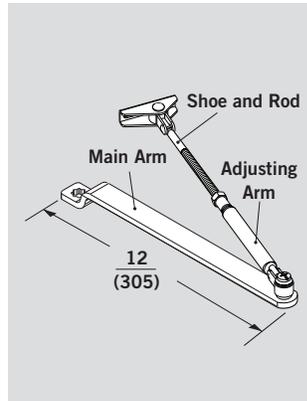
**Round Form Arm (10 mm rod)**



**ARJ** — Complete Arm Assembly (4"–8" [102 mm–203 mm] reveal) with 10 mm rod. Designed specifically for top jamb applications with deeper reveals. Arm is non-handed.

**AMR48** — Regular non-hold open main arm and adjusting arm. Accepts 10 mm rod.

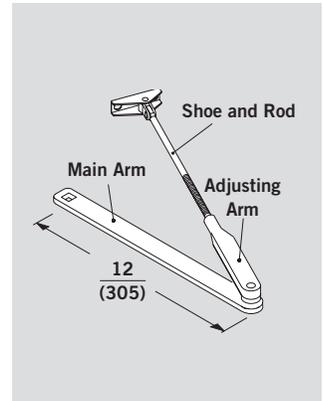
**Round Form Arm (8 mm rod)**



**A08** — Complete secured elbow arm non-hold open assembly (0"– 4" [0 mm–102 mm] reveal) with 8 mm rod. Optional arm with 7400 Series closers. Arm is non-handed.

**A08P** — Parallel round form arm secured elbow non-hold open complete (Tri-Pack) (0"–4" [0 mm–102 mm] reveal). P86 included.

**Narrow Profile Arm (8 mm)**

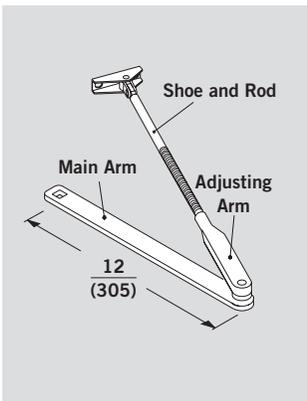


**ARNP** — Complete arm assembly. Regular or top jamb mount. Permits installation on 1" (25 mm) frame face for regular mount with maximum pull-side reveal of 1/8" (3 mm). Can also be used top jamb (0"–4" [0 mm–102 mm] reveal) for narrow top door rails. Arm is non-handed.

**ARNPP** — Complete arm assembly for parallel arm mount (Tri-Pack) (0"– 4"[0 mm–102 mm] reveal). P86 included.

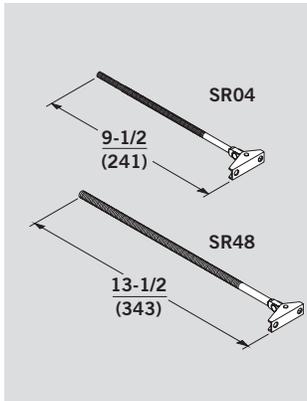
**AMR04NP** — Narrow profile main arm and adjusting arm. Used in conjunction with SR04 shoe and rod. Uses 8 mm rod.

**Narrow Profile Arm (10 mm)**



**ARNPJ** — Complete arm assembly for top jamb installations (4"– 8" [102 mm–203 mm] reveal) for narrow top door rails. Arm is non-handed.

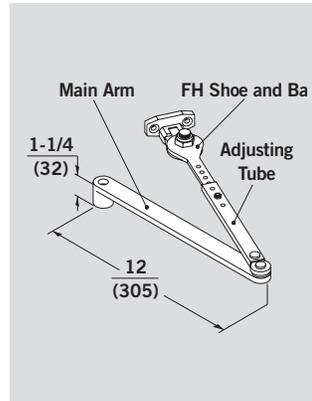
**AMR48NP** — Narrow profile main arm and adjusting arm. Used in conjunction with SR48 shoe and rod. Uses 10 mm rod.

**Regular Arm Shoe and Rod**

**SR04 (8 mm Rod Diameter)** — 0"–4" (0 mm–102 mm) reveal. Shoe and rod only.

**SR48 (10 mm Rod Diameter)** — 4"–8" (102 mm–203 mm) reveal. Shoe and rod only.

SR04 has an 8 mm rod and must be used in conjunction with main arm and adjusting arm AMR04. The SR48 has a 10 mm rod and must be used with main arm and adjusting arm AMR48. Non-handed.

**Friction Hold Open Arm**

Provides a hold open function between approximately 90° and 180° of door opening (conditions permitting). Arm is non-handed.

**FH** — Friction hold open arm complete (0"–4" [0 mm–102 mm] reveal).

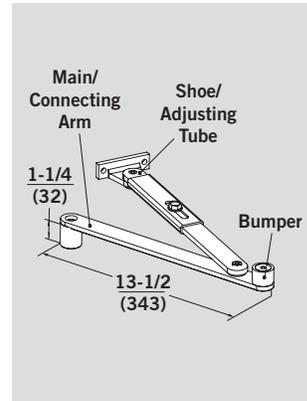
**FHJ** — Friction hold open arm complete (4"–8" [102 mm–203 mm] reveal).

**FHP** — Friction hold open arm complete (Tri-Pack) (0"–4" [0 mm–102 mm] reveal). PHB included.

**FHM04** — Friction hold open main arm and adjusting tube (0"–4" [0 mm–102 mm] reveal).

**FHM48** — Friction hold open main arm and adjusting tube (4"–8" [102 mm–203 mm] reveal).

**FHSB** — Friction hold open shoe and bar.

**Cushion IS Arm**

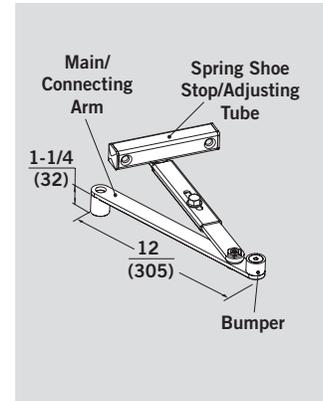
Provides a cushioned opening function for regular and top jamb applications at 85°, 90°, 95°, 100°, 105°, and 110°. Arm is non-handed.

**IS** — Cushion IS arm complete (0"–3-1/2" [0 mm–89 mm] reveal).

**ISJ** — Cushion IS top jamb arm complete (3-1/2"–6-1/2" [89 mm–165 mm] reveal).

**ISH** — Cushion IS hold open arm complete (0"–3-1/2" [0–89 mm] reveal).

**ISJH** — Cushion IS top jamb hold open arm complete. (3-1/2"–6-1/2" [89 mm–165 mm] reveal).

**Spring Stop IS Arm**

Provides a spring assisted dead stop function for regular and top jamb applications at 85°, 90°, 100°, and 110°. Arm is non-handed.

**SIS** — Spring stop IS arm complete (0"–3-1/2" [0 mm–89 mm] reveal).

**SISH** — Spring stop IS hold open arm complete (0"–3-1/2" [0 mm–89 mm] reveal).

**SISJ** — Spring stop IS top jamb arm complete (3-1/2"–6-1/2" [89 mm–165 mm] reveal).

**SISJH** — Spring stop IS top jamb hold open arm complete (3-1/2"–6-1/2" [89 mm–165 mm] reveal).

**Cushion IS/Spring Stop IS Arm Accessories**

**SISM** — Cushion IS/spring stop IS main arm and connecting arm. (0"–3-1/2" [0 mm–89 mm] reveal).

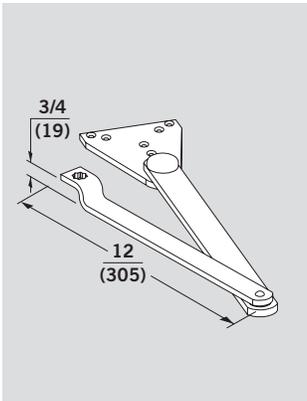
**SISJM** — Cushion IS/spring stop IS top jamb main arm and connecting arm. (3-1/2"–6-1/2" [89 mm–165 mm] reveal).

**ISSB** — Cushion IS spring shoe stop and adjusting tube.

**BUMPER IS** — Cushion IS/spring stop IS urethane bumper.

**S SPRING IS** — Spring shoe stop assembly complete.

**Super Parallel Arm**

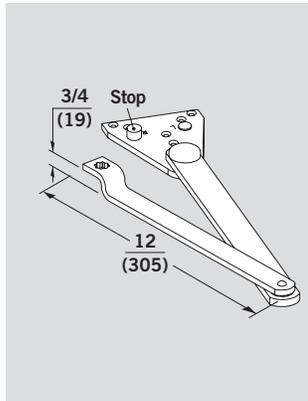


Heavy-duty parallel arm. Available in non-hold open and thumb turn hold open. Units can be installed for maximum opening of 100° or 180°. Hold open units will hold open at 90° or 125°. Maximum opening is 180° (conditions permitting). Arm is non-handed. Non-hold open arm illustrated.

**SPA** — Super parallel arm non-hold open.

**SPAT** — Super parallel arm thumb turn hold open.

**Door Saver Arm**



Heavy-duty parallel arm with integral cushioned opening function. Available in non-hold open, thumb turn hold open, and hex key turn hold open. Units can be installed to achieve either stop or stop and hold open at 85°, 90°, 100°, and 110°. Maximum opening is 110° (conditions permitting). Arm is non-handed. Non-hold open arm illustrated.

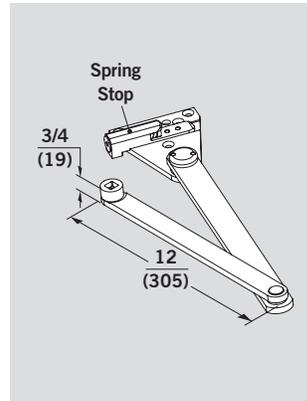
**DS** — Door saver arm non-hold open.

**DST** — Door saver arm thumb turn hold open.

**DSK** — Door saver arm hex key turn hold open.

**BUMPER DS** — Door saver bumper.

**Spring Stop Door Saver Arm**



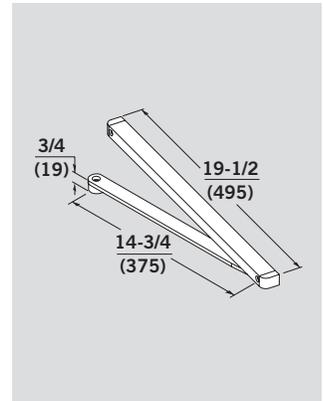
Heavy-duty parallel arm with spring assisted dead stop function. Available in non-hold open and thumb turn hold open. Units can be installed to achieve either stop at 85°, 90°, 100°, and 110° or stop and hold open function. Maximum opening is 110° (conditions permitting). Arm is non-handed. Non-hold open arm illustrated.

**SDS** — Spring stop door saver arm.

**SDST** — Spring stop door saver arm thumb turn hold open.

**S SPRING DS** — Spring stop assembly complete.

**Track Arm**

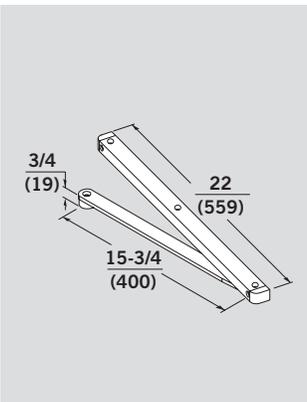


Provides slide track function for improved aesthetics and vandal resistance. Units can be installed to provide 85°, 90°, 110°, or 180° of door opening (conditions and application permitting). Arm is non-handed.

**T** — Track arm complete. Can be used on pull-side T applications (closer on door, track on frame) and JT applications (track on frame, closer on door). Can also be used with FT flush transom applications (closer on transom, track on door).

**TH** — Track hold open arm complete. Can be used in same applications as T arm. Range of hold open and maximum opening varies with mounting application.

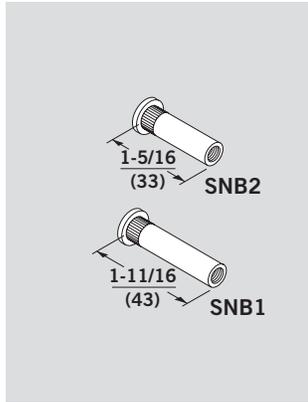
**Push Side Track Arm**



**PT86** — Push-side track arm complete. Used with PT track applications (closer on door, track on soffit).

**PT86H** — Push-side track hold open arm complete. Used with PT track applications (closer on door, track on soffit).

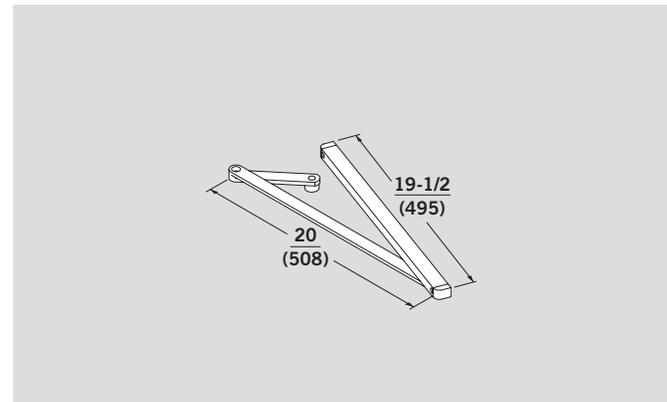
**Sex Nuts**



**SNB1** — Sex nuts with machine screws for 1-3/4" (44 mm) door.

**SNB2** — Sex nuts with machine screws for 1-3/8" (35 mm) door. Required for use on unreinforced doors and wood or composite labeled fire doors for securely attaching hardware to the door.

**TDE Track Arm**

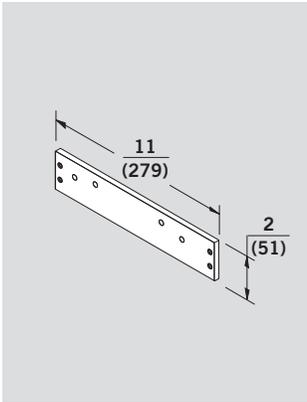


Provides slide track function for pull-side reveal conditions up to 3-1/2". Provides 117° of door opening (conditions permitting). Arm is handed. Also available with hold open option to provide selective single point hold open between 30° and 110°.

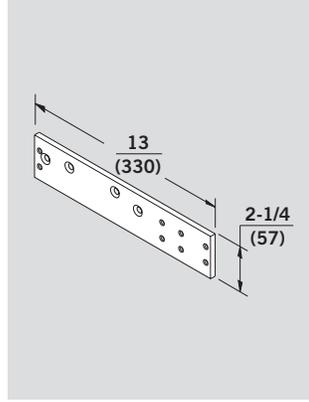
Arm requires a minimum 3-3/4" clearance between door face and wall when opened 90° and greater.

**TDE** — Double egress track arm complete.

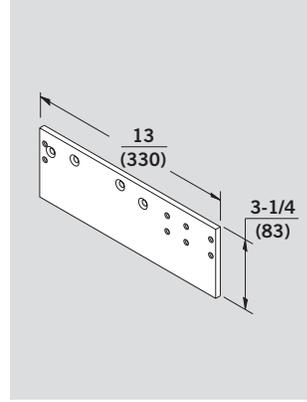
**TDEH** — Double egress hold open track arm complete.

**Backplate**

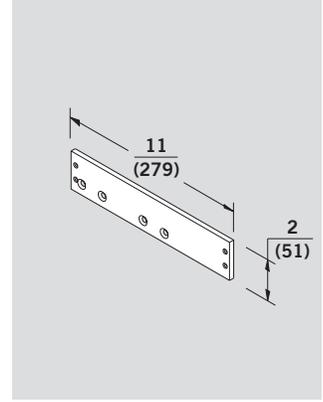
**BP74** — For top jamb mount when overhead ceiling clearance is less than 2-1/4" (57 mm). Can also be used for regular mount to clear a mortised overhead stop/holder.

**Backplate**

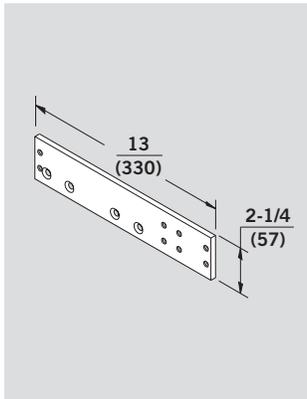
**BP86** — For top jamb mount with slim plastic cover when overhead ceiling clearance is less than 2-1/4" (57 mm). Can also be used for regular mount to clear a mortised overhead stop/holder.

**Backplate**

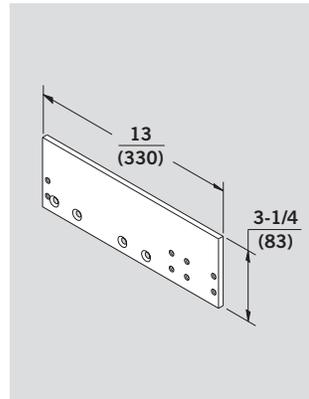
**BP86FC** — For top jamb mount with full plastic cover when overhead ceiling clearance is less than 2-1/4" (57 mm). Can also be used for regular mount to clear a mortised overhead stop/holder.

**Backplate**

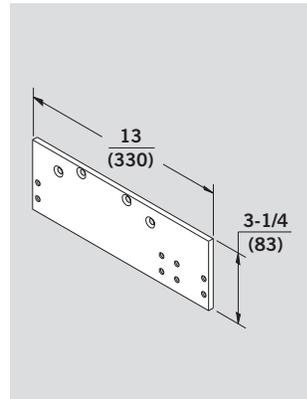
**BP74T** — For use with pull-side track applications (closer on frame face, track on door) to permit installation on a standard 2" (51 mm) frame face.

**Backplate**

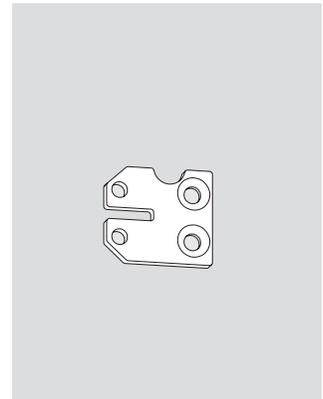
**BP86T** — For use with pull-side track applications (closer on frame face, track on door) with slim plastic cover to permit installation on a standard 2" (51 mm) frame face.

**Backplate**

**BP86TFC** — For use with pull-side track applications with full cover (closer on frame face, track on door) to permit installation on a standard 2" (51 mm) frame face.

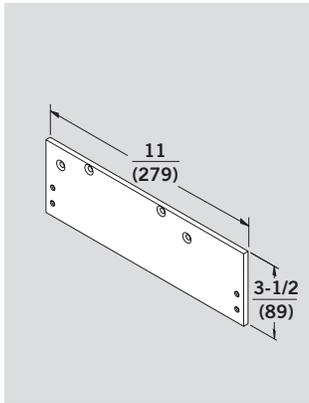
**Backplate**

**BP86FTFC** — Required for track mount with full cover when being used on a flush transom (closer on transom, track on door). Mounting holes in the plate avoid rabbet on door.

**Conversion Plate**

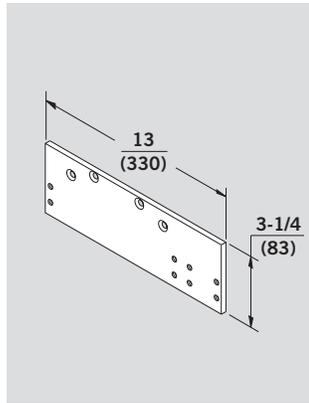
**BP640C** — For regular, top jamb, or parallel arm mounts. Permits replacement of existing 642-646/641/640 Series closers with 7400 Series closers. Eliminates the need to remachine the door and frame. Totally concealed when installed. Allows installation of 7400 to retrofit into any closer with a 9-1/16" × 3/4" hole pattern.

**Drop Plate**



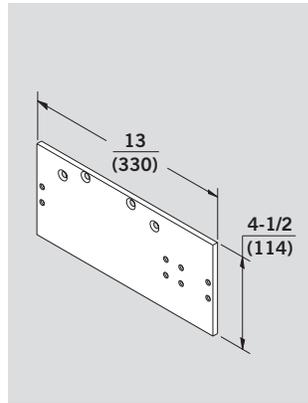
**DP74** — For top jamb mount to clear a surface applied stop/holder. Overhead ceiling clearance must be 1-3/4" (44 mm) or more. Permits parallel arm installation with minimum top door rail of 2-1/2" (64 mm) for non-hold open, 2-3/4" (70 mm) for friction hold open applications (assuming 5/8" [16 mm] stop dimension).

**Drop Plate**



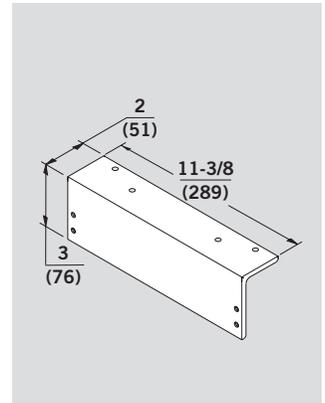
**DP86** — For top jamb mount with slim plastic cover to clear a surface applied stop/holder. Overhead ceiling clearance must be 1-3/4" (44 mm) or more. Permits parallel arm installation with minimum top door rail of 2-1/2" (64 mm) for non-hold open, 2-3/4" (70 mm) for friction hold open applications (assuming 5/8" [16 mm] stop dimension).

**Drop Plate**



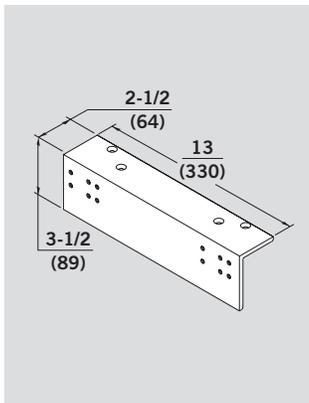
**DP86FC** — For top jamb mount with full plastic cover to clear a surface applied stop/holder. Overhead ceiling clearance must be 1-3/4" (44 mm) or more. Permits parallel arm installation with minimum top door rail of 2-1/2" (64 mm) for non-hold open, 2-3/4" (70 mm) for friction hold open applications (assuming 5/8" [16 mm] stop dimension).

**Angle Bracket**



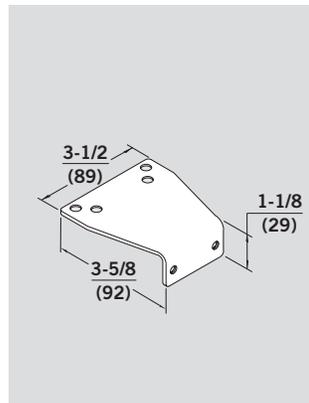
**AB74** — For installation of closers where parallel arm and top jamb applications are not practical due to low overhead ceiling clearance, narrow frame face or unusual trim conditions. This bracket can also be used to provide clearance for a surface-applied stop/holder.

**Angle Bracket**



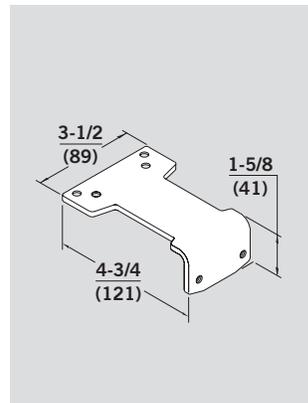
**AB86** — For installation of closers using a slim or full plastic cover. Used where parallel arm and top jamb applications are not practical due to low overhead ceiling clearance, narrow frame face or unusual trim conditions. This bracket can also be used to provide clearance for a surface-applied stop/holder.

**Parallel Arm Bracket**



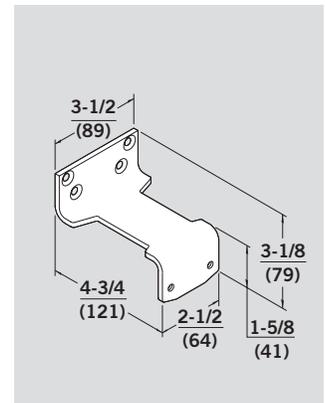
**P86** — Furnished standard with 7400 Series non-hold open parallel arm applications.

**Parallel Hold Open Bracket**



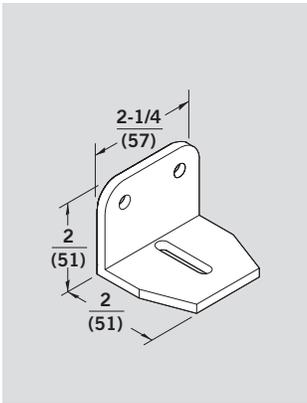
**PHB** — Furnished standard with 7400 Series friction hold open parallel arm applications.

**Parallel Flush Transom Bracket**



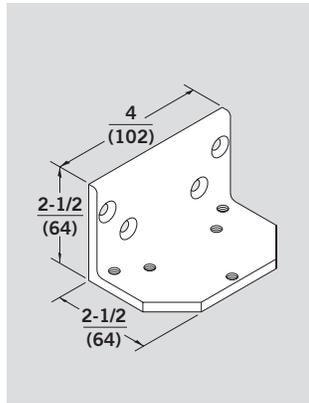
**PFT** — For all 7400 Series closer hold open and non-hold open parallel arm applications where flush transom conditions prohibit use of P86 or PHB bracket.

**Narrow Frame Bracket**



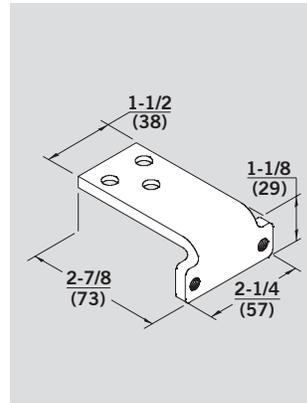
**NFHD** — For use with all DS and SPA applications where total frame depth is less than 4-1/2" (114 mm), prohibiting use of standard spacer block. NFHD bracket is used in lieu of block supplied with arm.

**Flush Transom Bracket**



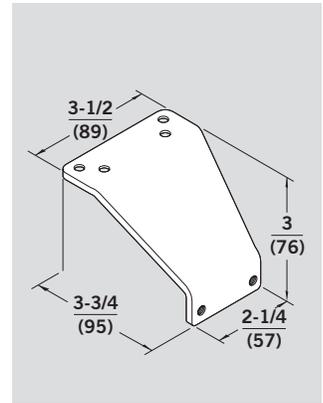
**FTHD** — For use with all DS and SPA applications where flush transom conditions prohibit normal installation of soffit bracket.

**Mortised Jamb Bracket**



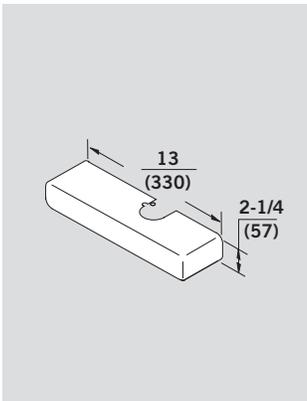
**MJ** — For 7400 Series closers with regular mount non-hold open assemblies, where frame conditions will not permit use of the standard foot, e.g. molded or ornate trim. Permits use of parallel arm application between twin communicating doors where limited space prohibits use of the wider P86 bracket.

**Parallel Drop Bracket**



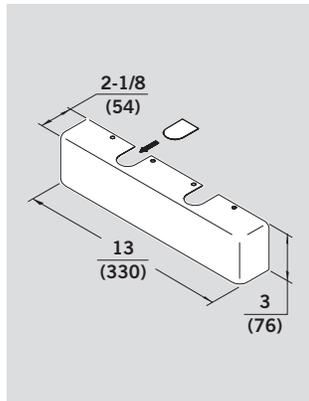
**PD** — For 7400 Series closer non-hold open parallel arm applications to clear a surface-applied stop/holder.

**Slim Plastic Cover**



**COV** — Optional slim plastic cover.

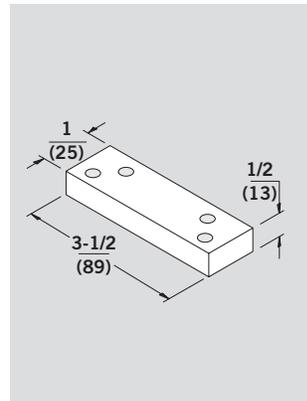
**Full Plastic Cover**



**FC** — Optional full plastic cover with interchangeable tab. Closers are prepared to accept FC covers only when specified with initial closer order.

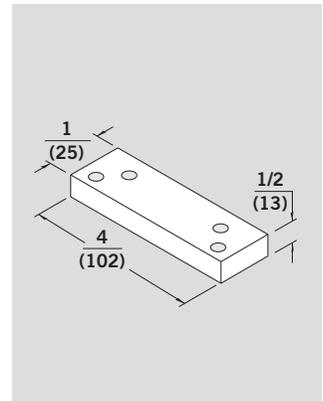
**FCSL**—Full plastic slotted cover with interchangeable tab. Mounting holes slotted for low ceiling conditions.

**Blade Stop Spacer**



**BS** — For use with all 7400 Series P86, PD, and PHB applications installed on cased frames with applied blade stops. This block is used to provide adequate clearance for the blade stop.

**Heavy-Duty Blade Stop Spacer**



**BSHD** — For use with all 7400 Series DS and SPA applications installed on cased frames with applied blade stops. This block is used in conjunction with the spacer furnished with the arm to provide adequate clearance for the blade stop.



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