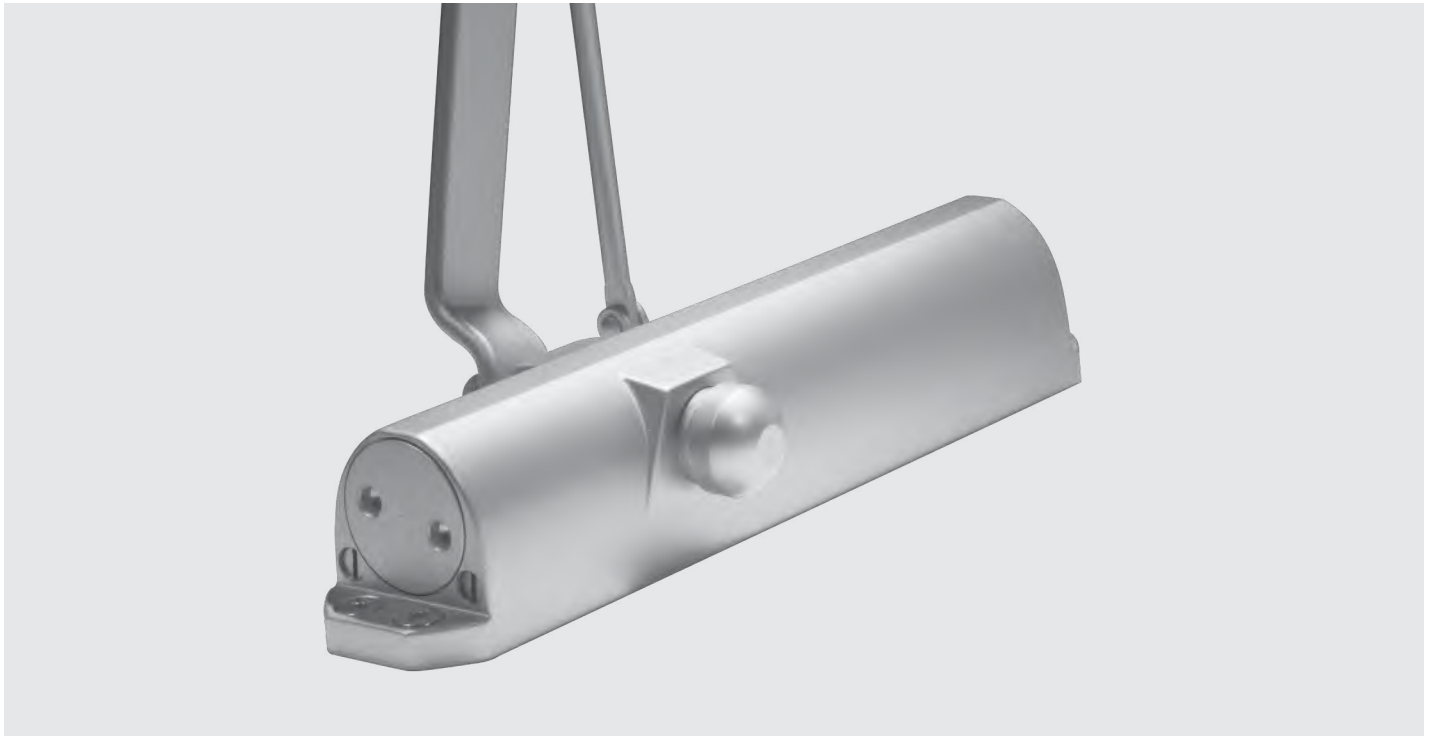


7400 Series

Surface applied door closers

We make access in life smart and secure





7400 Series surface closers

Contents

3	Technical details and specifications	
4	How to order	
	Technical drawings	
5	Regular x round form arm	
5	Regular x friction hold open	
6	Regular x cushion IS arm	
6	Regular x spring stop IS arm	
7	Top jamb x round form arm	
7	Top jamb x friction hold open	
8	Top jamb x cushion IS arm	
8	Top jamb x spring stop IS arm	
9	Parallel arm x round form arm	
9	Parallel arm x friction hold open	
10	Heavy-duty super parallel arm	
10	Heavy-duty parallel arm door saver x cushion	
11	Heavy-duty parallel arm x spring door saver	
11	Track — pull side door mounted	
12	Jamb track — pull side frame mounted	
12	Push track — push side soffit mounted	
13	Flush track — push side door mounted x backplate	
13	Track double egress — pull side frame mounted	
	Accessories	
14	Round form arms	
14	Narrow profile arms	
15	Regular arm shoe and rod	
15	Friction hold open arm	
15	Cushion IS arm	
15	Spring stop IS arm	
15	Cushion IS/spring stop IS arm accessories	
16	Super parallel arm	
16	Door saver arm	
16	Spring stop door saver arm	
16	Track arms	
16	Sex nuts	
17	Backplates	
17	BP640C conversion plate	
18	Drop plates	
18	Brackets	
19	Slim plastic cover	
19	Full plastic cover	
19	Blade stop spacer	
19	Heavy-Duty blade stop spacer	

The TS93 System in Contur design

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

Featuring backcheck and adjustable spring sizes, dormakaba'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.



Intertek

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



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

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*	6-Mar
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.

How to order 7400 Series

Spring size										Cover			Accessory plates*				Other accessories*			
Series	Adjustable 1-4		Adjustable 3-6		Delay—	DA	Slim Cover—	Full Plastic—	Full Plastic Slotted—	Drop Plate —	Back Plate —	ABXX	XXHD	PFT	PD	MJ	BS	BShD		
	7400	14	36	COV			FC	FCSL	DPXX	BPXX	BSHD									
74		14		ARP		COMBO		689												
Round Arm Non-Hold Open, Tri-Pack —						ARP	COMBO		Default Fastener Pack		600		— Primed							
Round Arm Non-Hold Open, TJ 4"–8" Reveal —						ARJ	SNB1		Sex Nuts and Machine Screws, 1-3/4"		689		— Aluminum							
Round Arm Non-Hold Open, TJ 0"–4" Reveal —						AR	SNB2		Sex Nuts and Machine Screws, 1-3/8"		690		— Statuary Bronze							
Round Arm Secure Non-Hold Open, Tri-Pack —						AO8P	DPK86		Self-Drilling		691		— Dull Bronze							
Round Arm Secure Non-Hold Open, Reg./TJ 0"–4" Reveal —						AO8	CMBDPK		Std. and Self-Drilling		693		— Black							
Friction Hold Open, Tri-Pack —						FHP	TPK86		Self-Tapping		695		— Dark Duranodic Bronze							
Friction Hold Open, TJ 4"–8" Reveal —						FHJ	CMBTPK		Std. and Self-Tapping		696		— Gold							
Friction Hold Open, Reg./TJ 0"–4" Reveal —						FH	TX86		Torx Security Pack		PNT		— Special Sprayed Finish (must specify)							
Door Saver Parallel Cushion Arm —						DS	AWS		All Wood Screws											
Door Saver Parallel Cushion Arm Thumb Turn Hold Open —						DST	METRIC		All Metric Fasteners											
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											
Spring Integra Stop Top Jamb 3-1/2"–6-1/2" Reveal —						SISH														
Super Parallel Arm —						ISJ			Integra Cushion Arm Hold Open, Top Jamb 3-1/2"–6-1/2" Reveal											
Super Parallel Arm Thumb Turn Hold Open —						ISJH														
Track, Pull Side Door Mounted —						SISJ			Spring Integra Stop Hold Open, Top Jamb 3-1/2"–6-1/2" Reveal											
Jamb Track, Pull Side Frame Face Mounted —						SISJH														
Push Track, Push Side Soffit Mounted —						SPA														
Track Double Egress, Pull Side Transom Mounted (7436 only) —						SPAT														
Flush Track, Push Side Transom Mounted —						T														
Track Hold Open, Pull Side Door Mounted —						JT														
Push Track Hold Open, Push Side Soffit Mounted —						PT			Jamb Track Hold Open, Pull Side Frame Face Mounted											
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, Pull Side Frame Face Mounted —						JTH														
Flush Track Hold Open, Pull Side Frame Face Mounted —						PTH														
						TDEH			Track Double Egress Hold Open, Pull Side Frame Face Mounted (7436 only)											
						FTH														
							</													

Notes:

*All combinations of features and options are not available for all models.

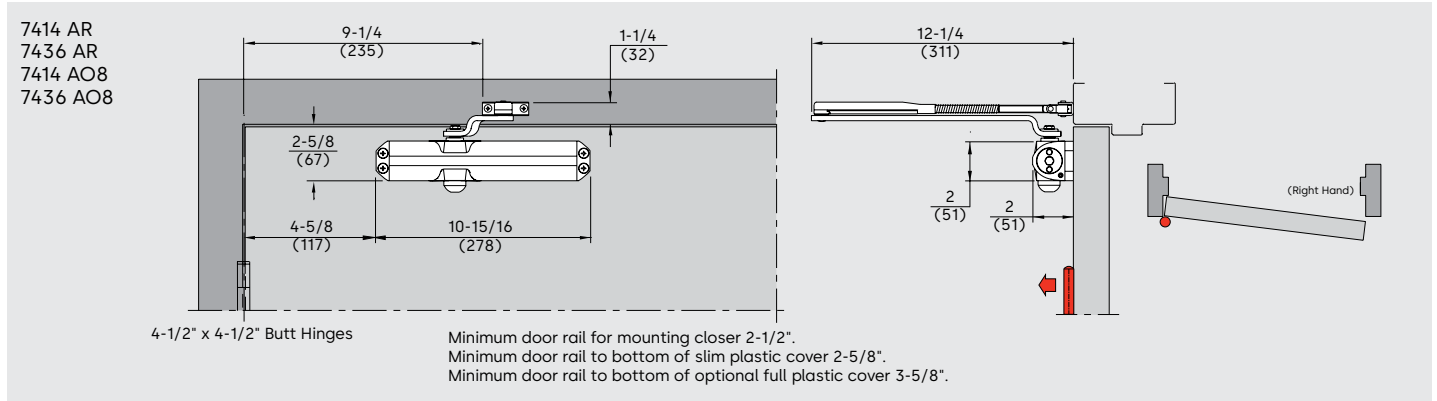
*To simplify initial installation, a range of back plates (BPxx), drop plates (DPxx), brackets, and spacers are available. Refer to Accessories section for details

Technical drawings

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

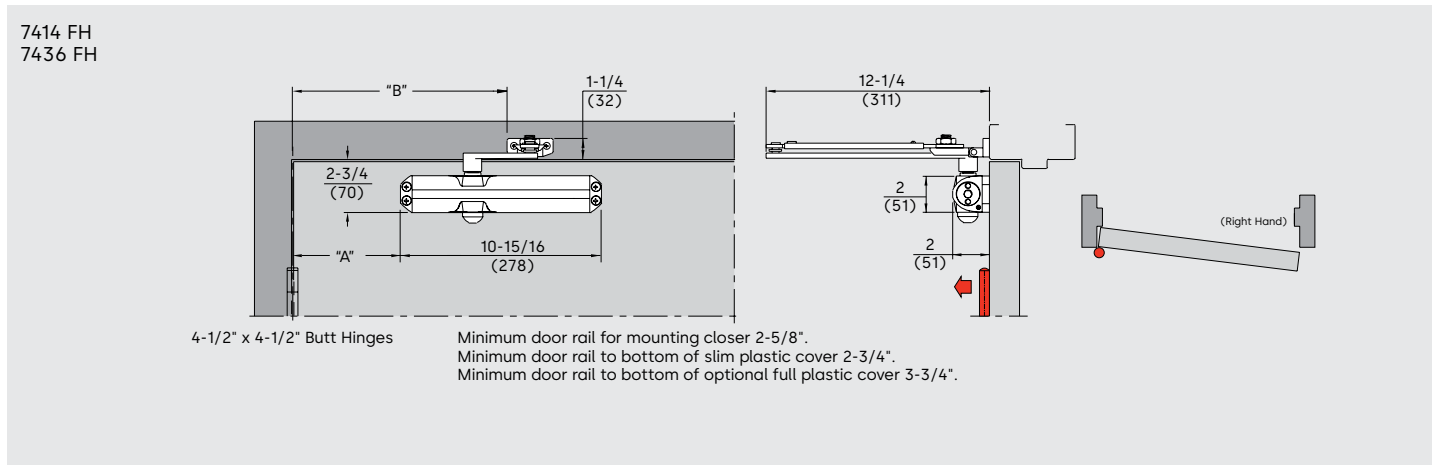


Size selection chart

		Door width				
Closer	Interior/Exterior	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.	Approx. maximum opening	Approx. backcheck	Approx. delayed action
To 180°	180°	65°–180°	180°–65°

Regular × Friction hold open



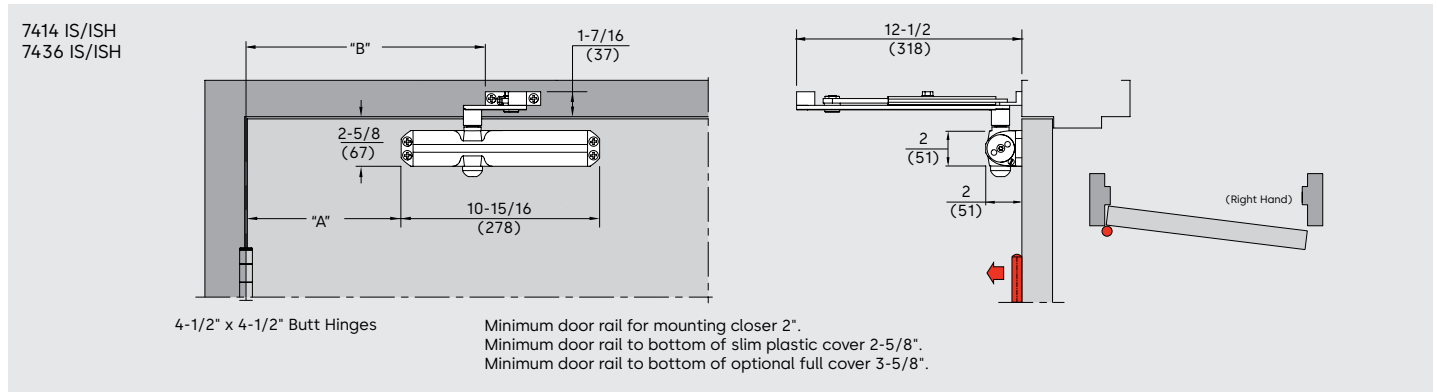
Size selection chart

		Door Width				
Closer	Interior/Exterior	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"	Approx. maximum opening	Approx. backcheck	Approx. delayed action	Min. hold open	Max. hold open
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°

Technical drawings

Regular x Cushion IS Arm



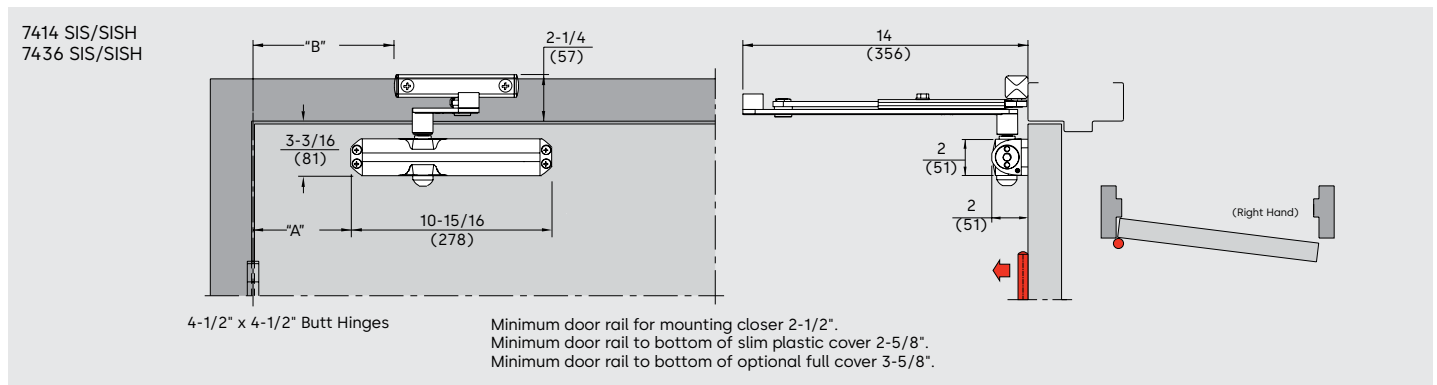
Size selection chart

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	Approx. Backcheck	Approx. 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 x Spring Stop IS Arm



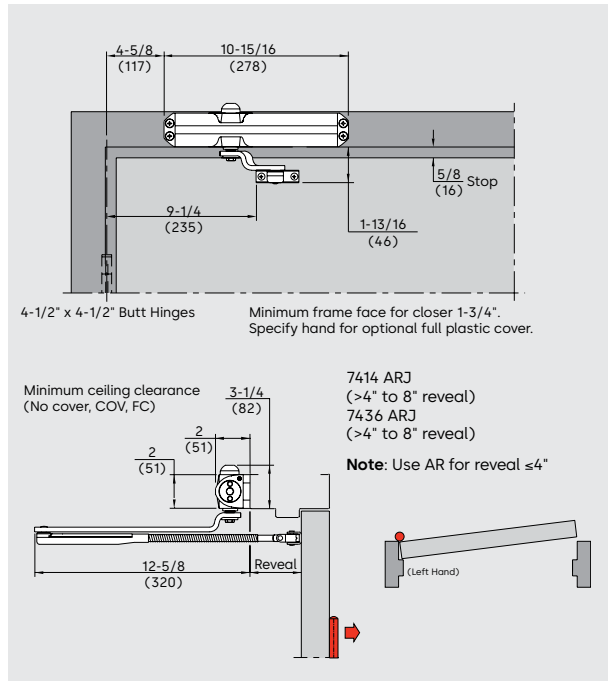
Size selection chart

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 cushion angle listed in the chart.

Top jamb × Round form arm



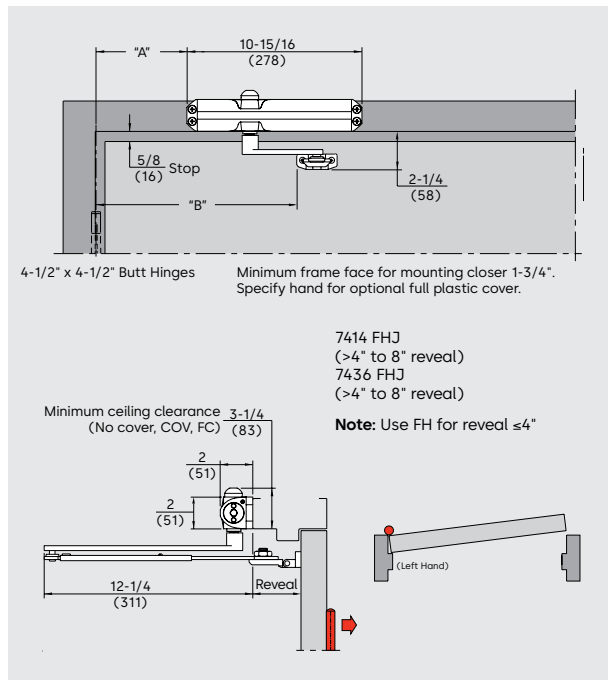
Size selection chart

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	Approx. maximum opening	Approx. backcheck	Approx. delayed action
To 180°	0"	AR	180°	70°–180°	180°–60°
	4"	AR	180°	75°–180°	180°–70°
	>4"	ARJ	180°	75°–180°	180°–70°
	8"	ARJ	165°	80°–165°	165°–75°

Note: Bold type shows supplied arm.

Top jamb × Friction hold open



Size selection chart

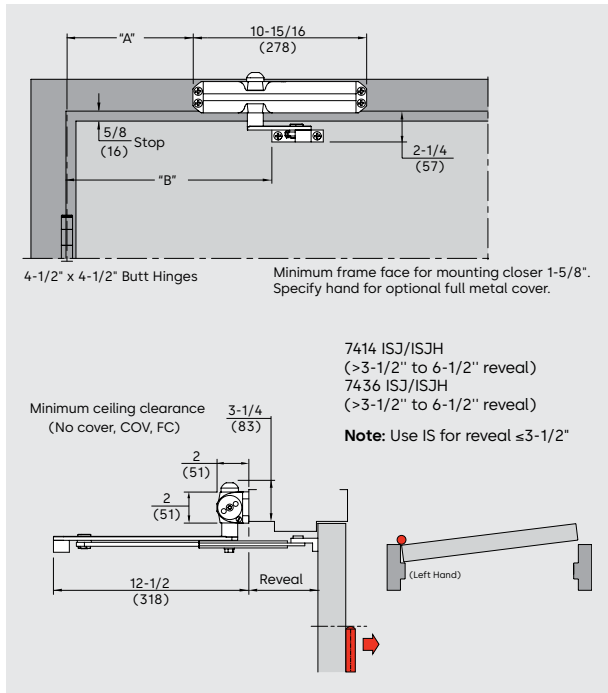
Closer	Interior/ Exterior	Door width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7414	Interior	•	•			N/A
	Exterior	•	•		N/A	N/A
7436	Interior	N/A	N/A	•	•	•
	Exterior	N/A	•	•	•	•

Template ref.	Dim "A"	Dim "B"	Reveal	Arm	Approx. max. 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"	FHJ	105°	75°–105°	105°–75°	70°	100°
			8"	FHJ	100°	80°–100°	100°–80°	70°	95°
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"	FHJ	120°	80°–120°	120°–80°	75°	115°
			8"	FHJ	115°	85°–115°	115°–85°	75°	110°
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"	FHJ	180°	90°–180°	180°–90°	80°	170°
			8"	FHJ	165°	100°–165°	165°–100°	85°	155°

Note: Bold type shows supplied arm.

Technical drawings

Top jamb x Cushion IS arm



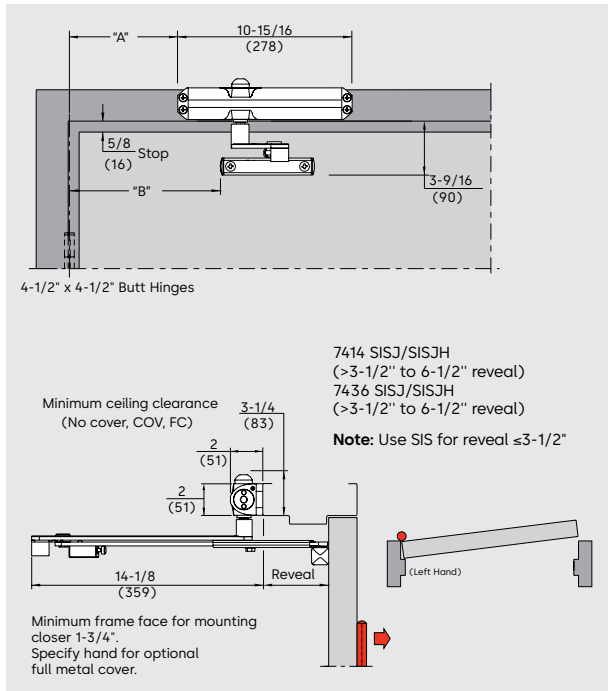
Size selection chart

Closer	Interior/ Exterior	2'-0" min.	2'-6" max.	Door width		
				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	*Cushion/ hold open	Appro. backcheck	Approx. delayed action
85°	6-1/2" (165)	12-5/8" (321)	0"-3-1/2"	IS	85°	55°-85°	85°-55°
			>3-1/2"-6-1/2"	ISJ	85°	55°-85°	85°-55°
90°	5-3/4" (146)	12-1/8" (308)	0"-3-1/2"	IS	90°	60°-90°	90°-60°
			>3-1/2"-6-1/2"	ISJ	90°	60°-90°	90°-60°
95°	5-1/2" (140)	11-3/4" (298)	0"-3-1/2"	IS	95°	65°-95°	95°-65°
			>3-1/2"-6-1/2"	ISJ	95°	65°-95°	95°-65°
100°	5-1/4" (133)	11-1/4" (286)	0"-3-1/2"	IS	100°	70°-100°	100°-70°
			>3-1/2"-6-1/2"	ISJ	100°	70°-100°	100°-70°
105°	5" (127)	11" (279)	0"-3-1/2"	IS	105°	75°-105°	105°-75°
			>3-1/2"-6-1/2"	ISJ	105°	75°-105°	105°-75°
110°	4-3/4" (121)	10-3/4" (273)	0"-3-1/2"	IS	110°	75°-110°	110°-75°
			>3-1/2"-6-1/2"	ISJ	110°	75°-110°	110°-75°

* Hold Open is approximately 5°-7° less than the cushion angle listed in the chart.
Note: Bold type shows supplied arm.

Top jamb x Spring stop IS Arm



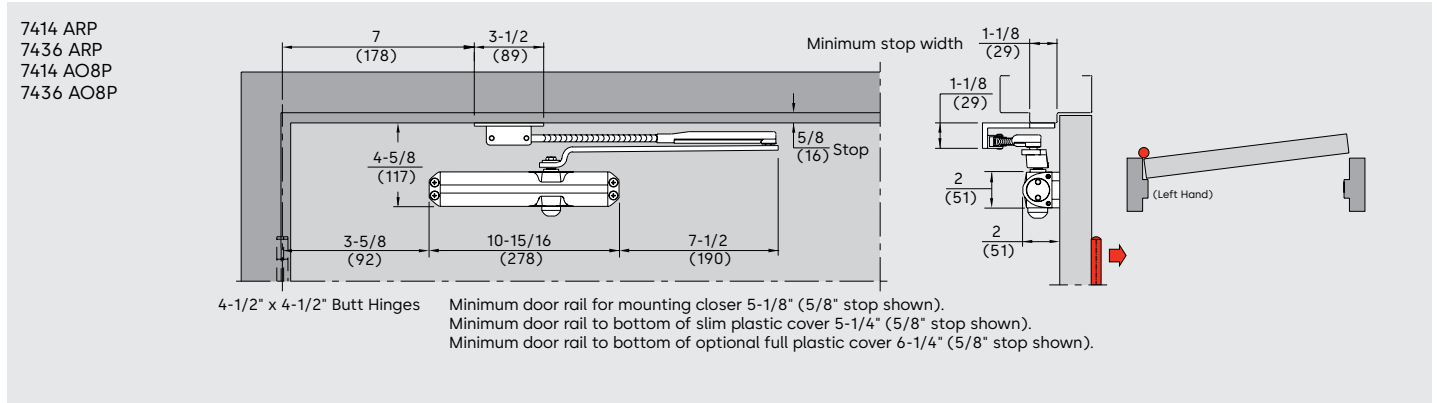
Size selection chart

Closer	Interior/ Exterior	2'-0" min.	2'-6" max.	Door width		
				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	*Dead stop/ hold open	Appro. backcheck	Approx. delayed action
85°	8-1/2" (216)	11-1/16" (281)	0"-3-1/2"	SIS	85°	55°-85°	85°-55°
			>3-1/2"-6-1/2"	SISJ	85°	55°-85°	85°-55°
90°	7-7/8" (200)	10-7/16" (266)	0"-3-1/2"	SIS	90°	60°-90°	90°-60°
			>3-1/2"-6-1/2"	SISJ	90°	60°-90°	90°-60°
100°	7" (178)	9-9/16" (243)	0"-3-1/2"	SIS	100°	70°-100°	100°-70°
			>3-1/2"-6-1/2"	SISJ	100°	70°-100°	100°-70°
110°	6-3/8" (162)	8-15/16" (227)	0"-3-1/2"	SIS	110°	75°-110°	110°-75°
			>3-1/2"-6-1/2"	SISJ	110°	75°-110°	110°-75°

* Hold Open is approximately 5°-7° less than the cushion angle listed in the chart.
Note: Bold type shows supplied arm.

Parallel arm × Round form arm

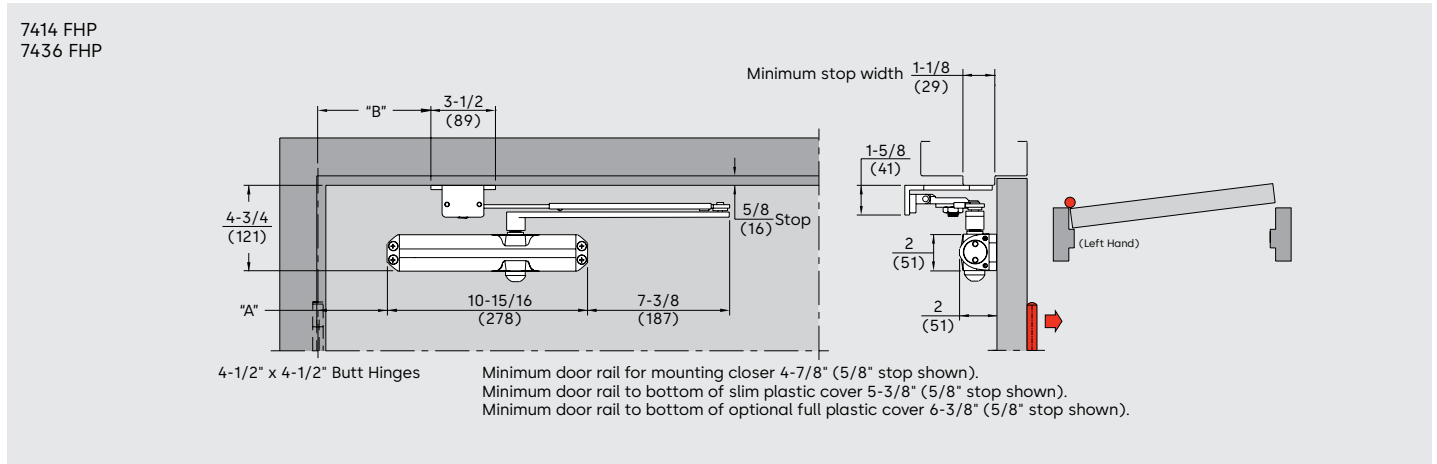


Size selection chart

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.	Approx. max. opening	Approx. backcheck	Approx. delayed action	Min. door width
To 180°	180°	75°–180°	180°–65°	26°

Parallel arm × Friction hold open



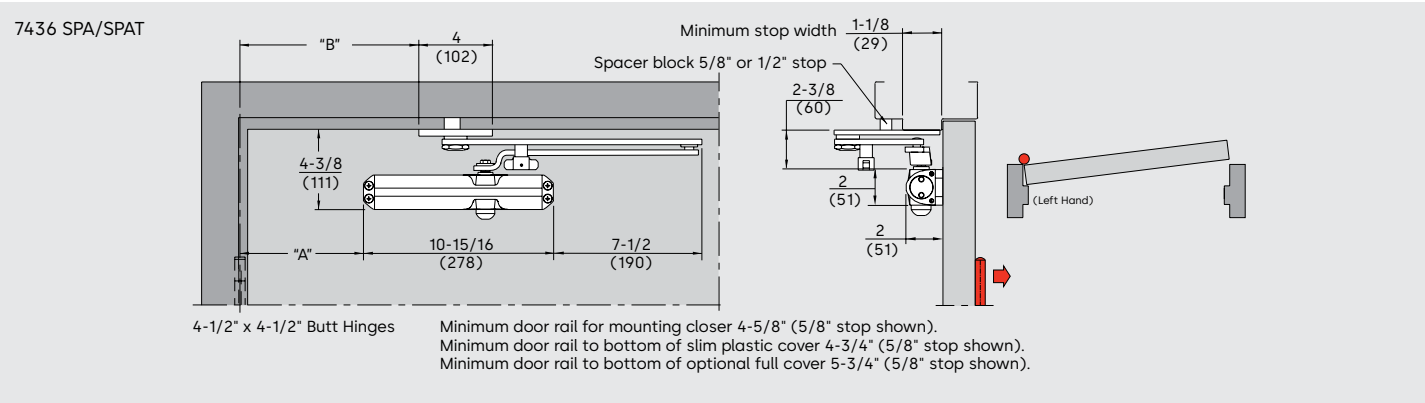
Size selection chart

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"	Approx. max. opening	Approx. backcheck	Approx. 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"

Technical drawings

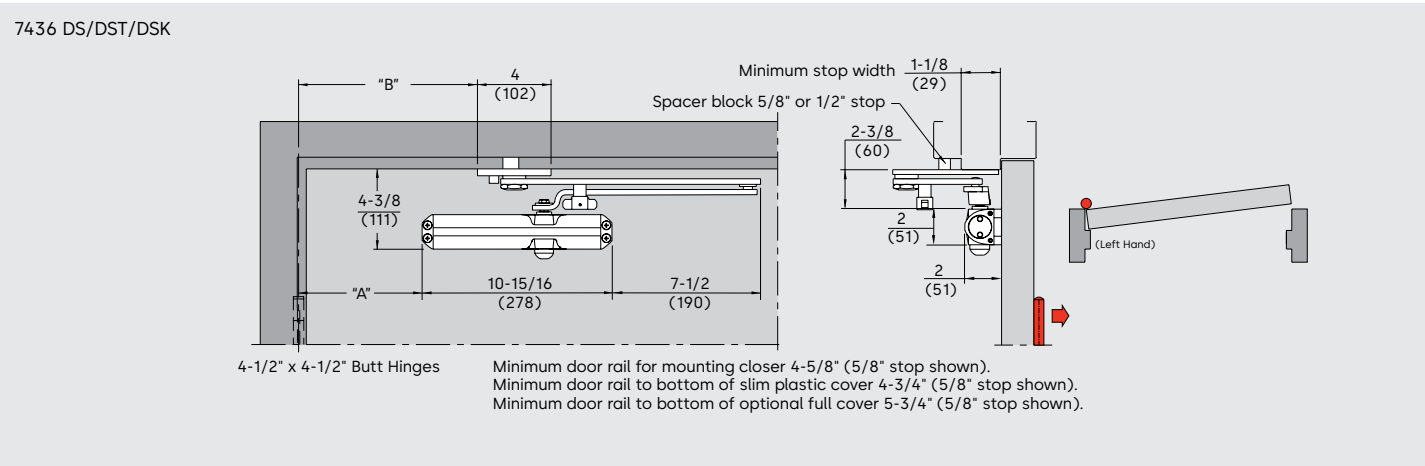
Heavy-duty super parallel arm



Size selection chart

Closer	Interior/ Exterior	Door width					Template ref.	Approx. max. opening	Approx. backcheck	Approx. delayed action	Min. door width
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.					
7436	Interior	N/A	•	•	•	•	To 180°	180°	75°–180°	180°–65°	26°
	Exterior	•	•	•	•	N/A					

Heavy-duty parallel arm door saver × Cushion



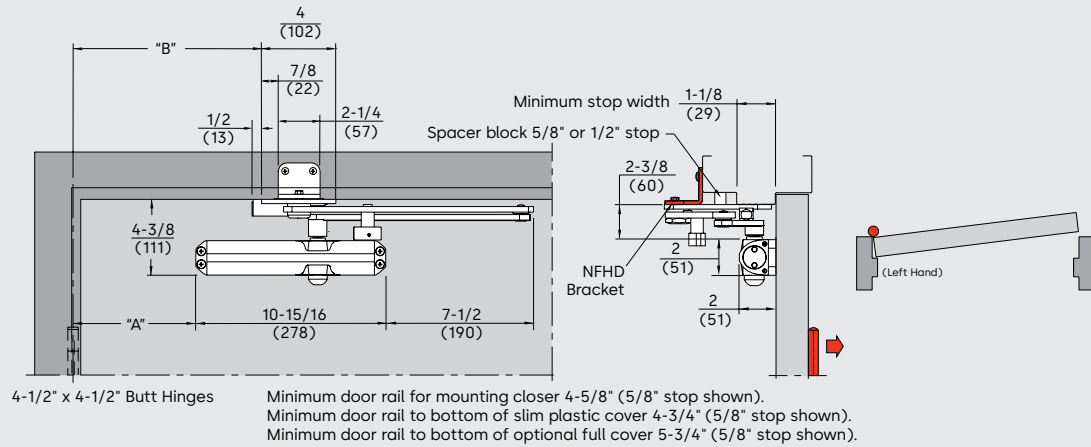
Size selection chart

Closer	Interior/ Exterior	Door width					Template ref.	Dim "A" closer	Dim "B" soffit plate	*Cushion/ hold open	Approx. backcheck	Approx. delayed action	Min. door width
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.							
7436	Interior	N/A	•	•	•	•	85°	6" (153)	10" (254)	85°	50°–85°	85°–65°	26"
	Exterior	•	•	•	•	N/A		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 x Spring door saver

7436 SDS/SDST



Size selection chart

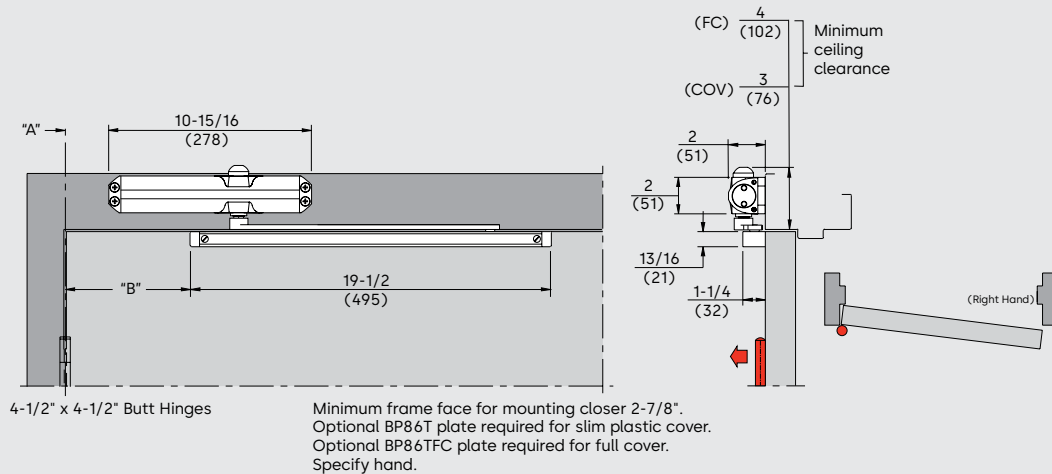
Closer	Interior/ Exterior	Door width				
		2'-0" min.	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.
7436	Interior	N/A	•	•	•	•
	Exterior	•	•	•	•	N/A

Template ref.	Dim "A" closer	Dim "B" soffit plate	*Dead stop/ hold open	Approx. backcheck	Approx. delayed action	Min. 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



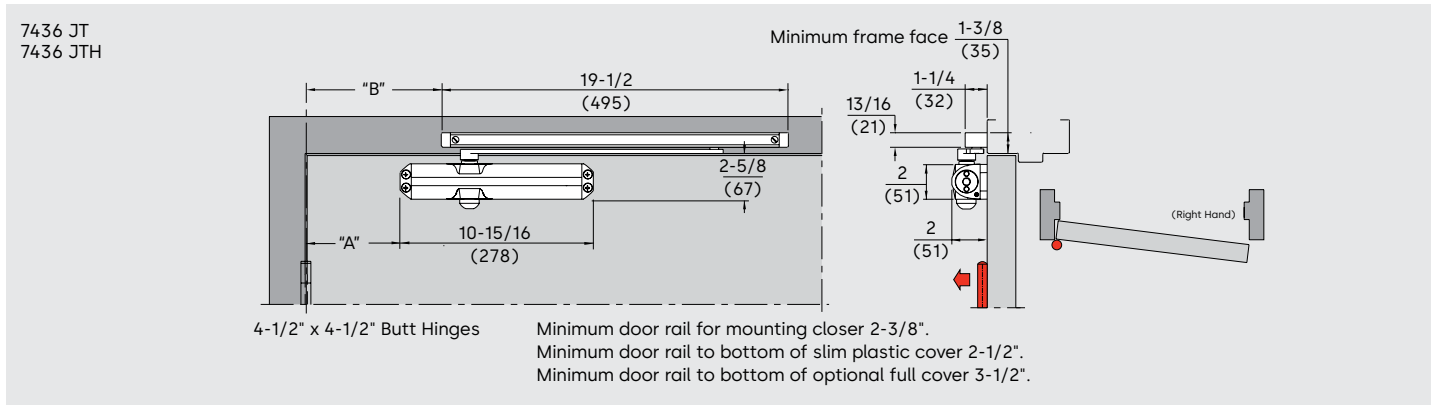
Size selection chart

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

Template ref.	Dim "A"	Dim "B"	Cushion	Max. hold open	Approx. backcheck	Approx. delayed action	Min. 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"

Technical drawings

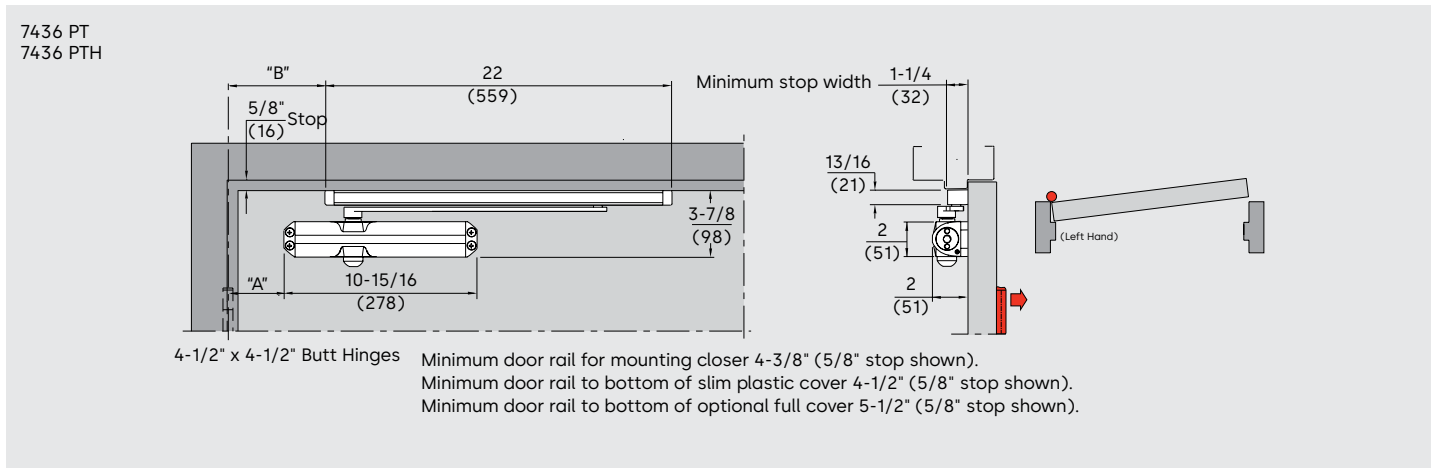
Jamb track – Pull side frame mounted



Size selection chart

Closer	Interior/ Exterior	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	Template ref.	Dim "A"	Dim "B"	Cushion	Max. hold open	Approx. backcheck	Approx. delayed action	Min. door width
7436	Interior	•	•	•	N/A	85°	6-1/8" (156)	8" (203)	85°	80°	60°–85°	85°–60°	31"
	Exterior	•	•	N/A	N/A	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"

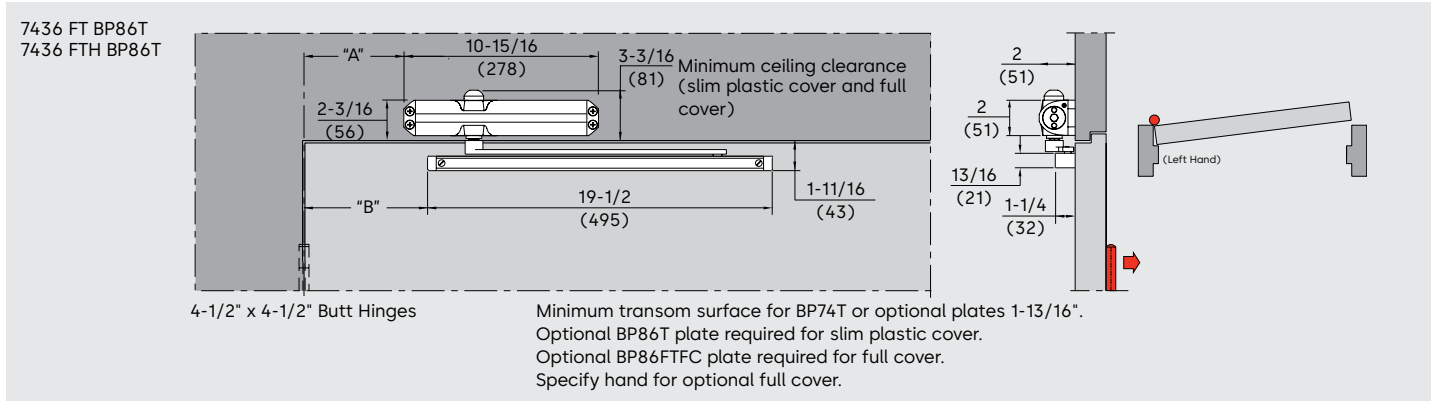
Push track – Push side soffit mounted



Size selection chart

Closer	Interior/ Exterior	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	Template ref.	Dim "A"	Dim "B"	Cushion	Max. hold open	Approx. backcheck	Approx. delayed action	Min. door width
7436	Interior	•	•	•	N/A	85°	3-1/4" (83)	9-1/8" (232)	85°	82°	65°–85°	85°–65°	33"
	Exterior	•	•	N/A	N/A	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"

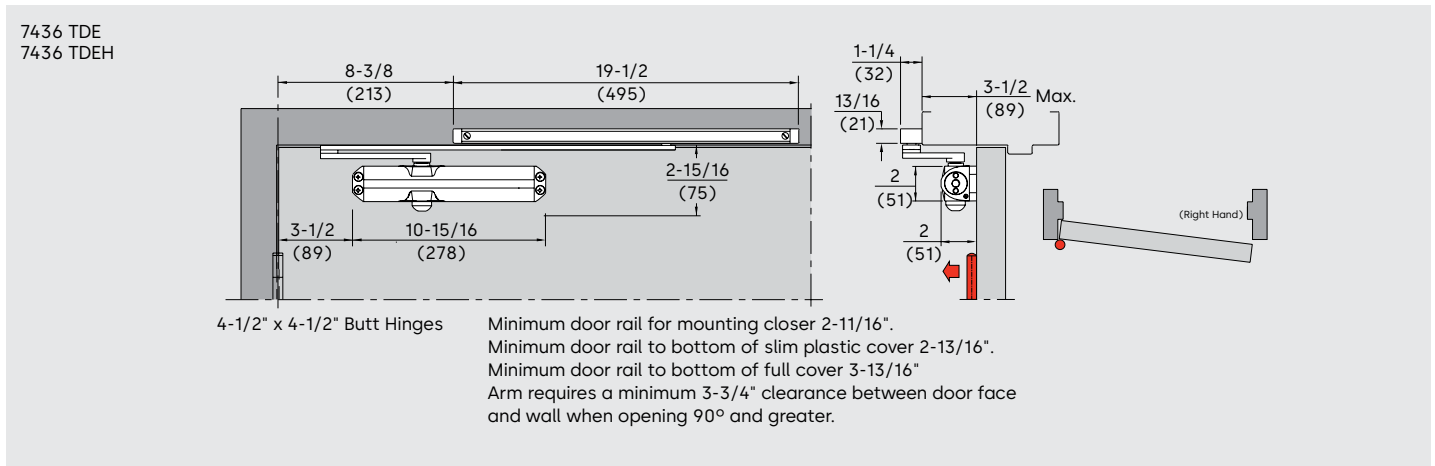
Flush track — Push Side door mounted × Backplate



Size selection chart

Closer	Interior/ Exterior	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	Template ref.	Dim "A"	Dim "B"	Cushion	Max. hold open	Approx. backcheck	Approx. delayed action	Min. door width
7436	Interior	•	•	•	N/A	85°	4-7/8" (124)	6-3/8" (162)	85°	82°	60°–85°	85°–60°	29"
	Exterior	•	•	N/A	N/A	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"

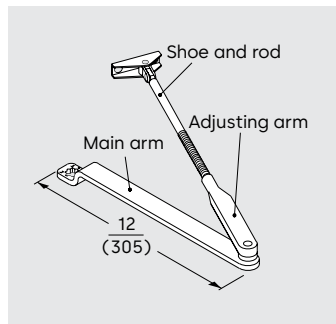
Track double egress — Pull Side frame mounted



Size selection chart

Closer	Interior/ Exterior	2'-6" max.	3'-0" max.	3'-6" max.	4'-0" max.	Template ref.	Cushion	Max. hold open	Approx. backcheck	Approx. Delayed action	Min. door width
7436	Interior	•	•	•	N/A	117°	117°	110°	70°–117°	117°–70°	28"
	Exterior	•	•	N/A	N/A						

Accessories

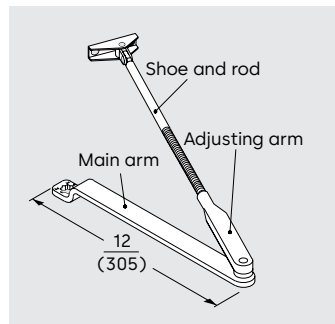


Round form arm (8 mm rod)

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.

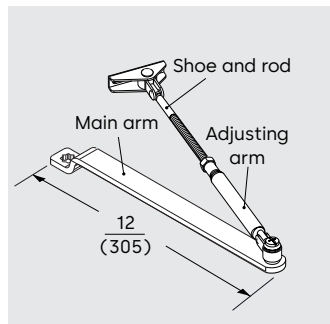
AMR04 — Regular non-hold open main arm and adjusting arm. Accepts 8 mm rod.



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.

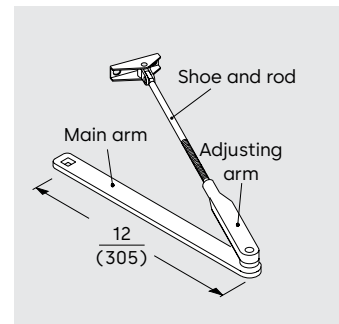
AMR48 — Regular non-hold open main arm and adjusting arm. Accepts 10 mm rod.



Round form arm (8 mm rod)

AO8 — 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.

AO8P — Parallel round form arm secured elbow non-hold open complete (Tri-Pack) (0"–4" [0 mm–102 mm] reveal). P86 included.

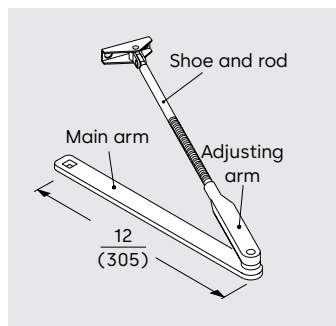


Narrow profile arm (8 mm)

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.

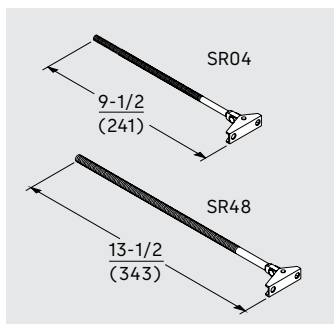
AMR04NP — Narrow profile main arm and adjusting arm. Used in conjunction with SR04 shoe and rod. Uses 8 mm rod.



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.

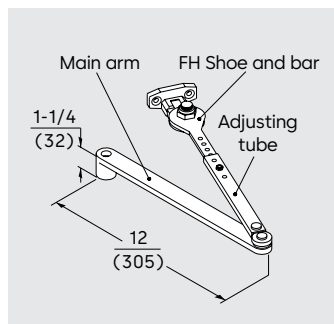


Regular arm shoe and rod

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).

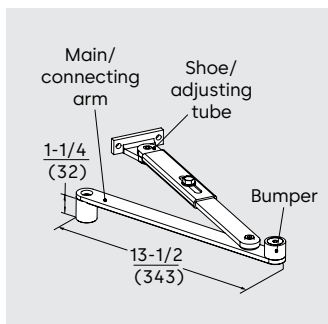
FHJ — Friction hold open arm complete (4"–8" [102 mm–203 mm] reveal).

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

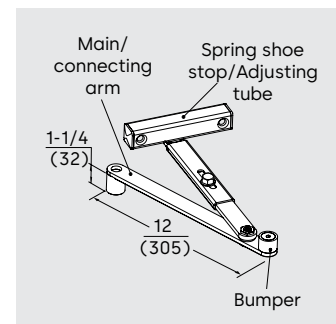
Provides a cushioned opening function for regular and top jamb applications at 85°, 90°, 95°, 100°, 105°, and 110°. Arm is non-handed.

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).

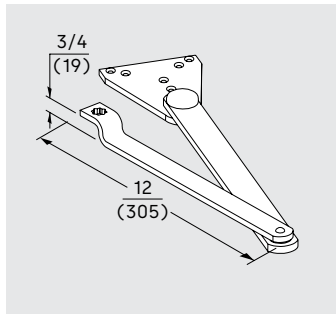
SISJM — Cushion IS/spring stop IS top jamb main arm and connecting arm. (3-1/2"–6-1/2" [89 mm–165 mm] reveal).

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.

Accessories

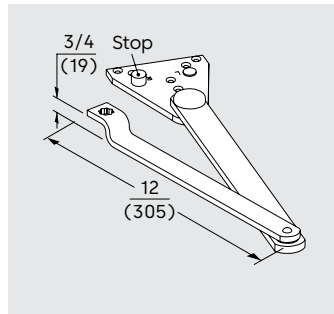


Super parallel arm

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

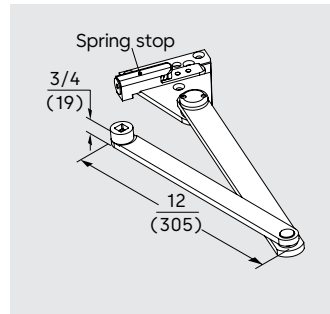
Heavy-duty parallel arm with integral cushioned opening function. Available in non-hold open, thumb turn hold open, and hex key turn hold open. Units can be installed to achieve either stop or stop and hold open at 85°, 90°, 100°, and 110°. Maximum opening is 110° (conditions permitting). Arm is non-handed.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



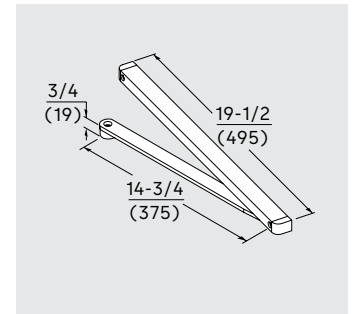
Spring stop door saver arm

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.

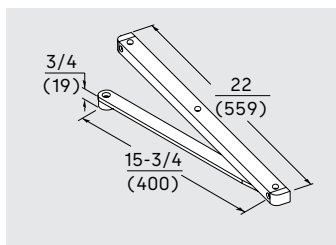


Track arm

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).

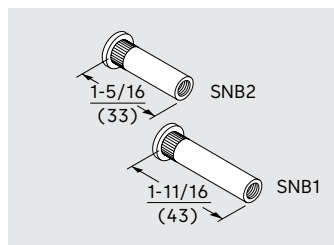
TH — Track hold open arm complete. Can be used in same applications as T arm. Range of hold open and maximum opening varies with mounting application.



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).

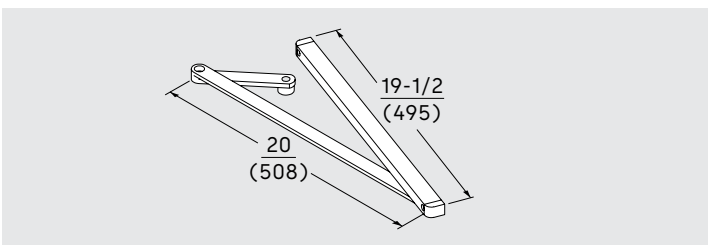


Sex nuts

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.



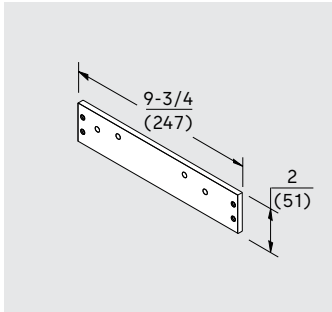
TDE track arm

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.

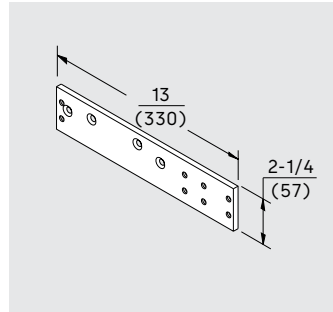
TDE — Double egress track arm complete.

TDEH — Double egress hold open track arm complete.



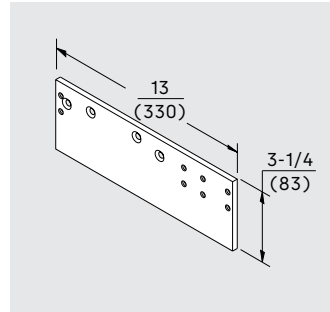
Backplate

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.



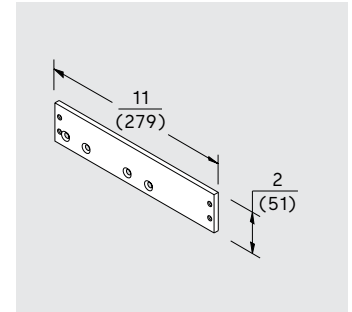
Backplate

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.



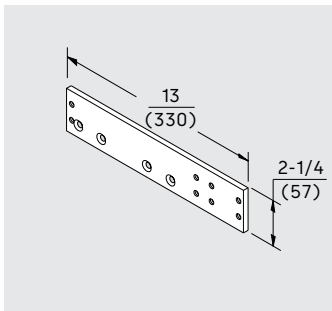
Backplate

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.



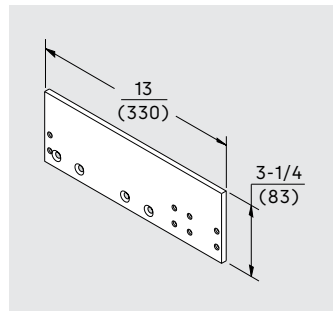
Backplate

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.



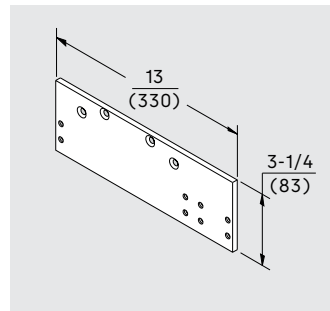
Backplate

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.



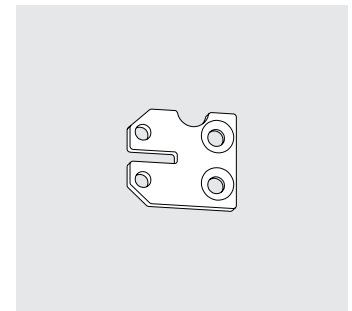
Backplate

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

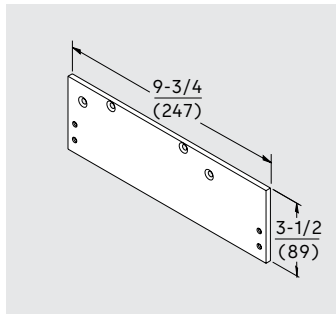
BP86FTFC — Required for track mount with full cover when being used on a flush transom (closer on transom, track on door). Mounting holes in the plate avoid rabbet on door.



Conversion plate

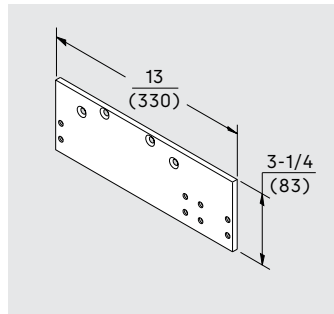
BP640C — For regular, top jamb, or parallel arm mounts. Permits replacement of existing 642-646/641/640 Series closers with 7400 Series closers. Eliminates the need to remachine the door and frame. Totally concealed when installed. Allows installation of 7400 to retrofit into any closer with a 9-1/16"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

Accessories



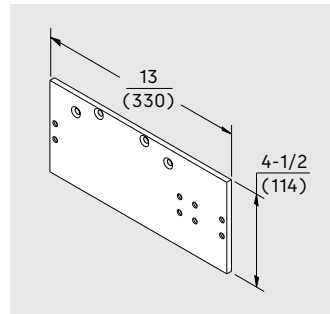
Drop plate

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).



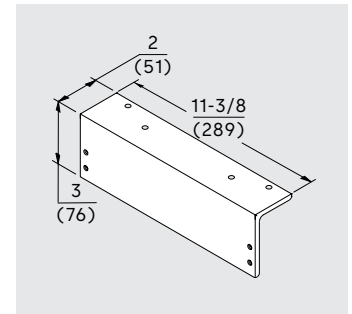
Drop plate

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).



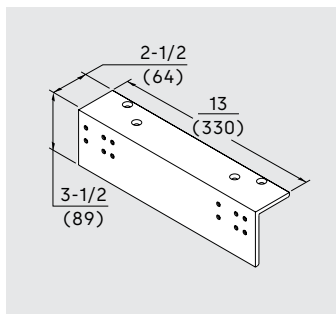
Drop plate

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).



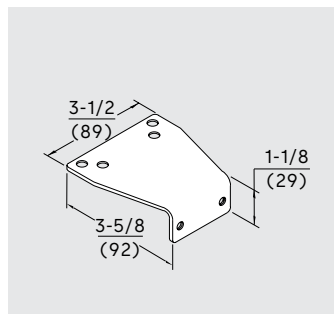
Angle bracket

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.



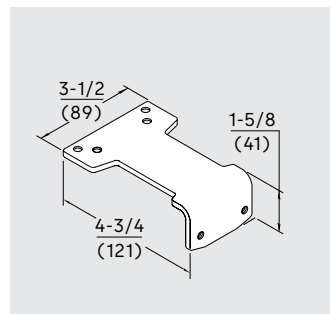
Angle bracket

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.



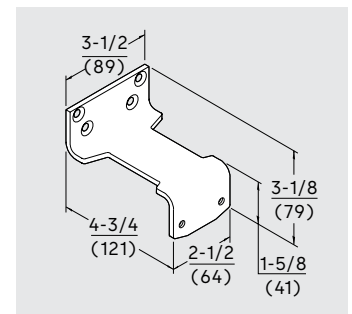
Parallel arm bracket

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



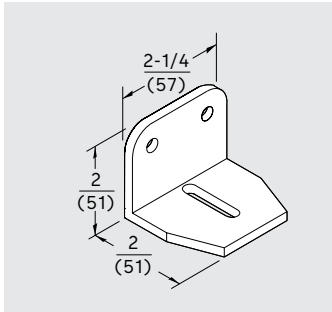
Parallel hold open bracket

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



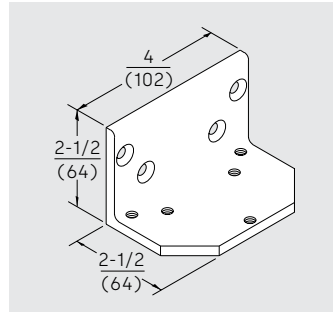
Parallel flush transom bracket

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.



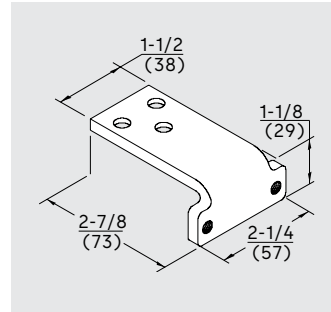
Narrow frame bracket

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.



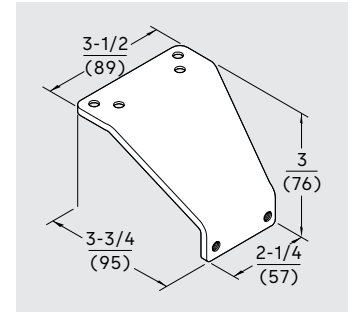
Flush transom bracket

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



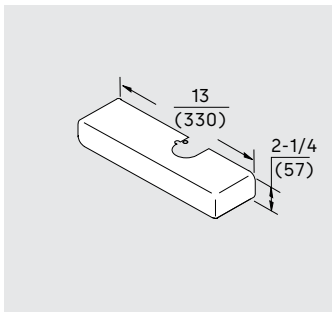
Mortised jamb bracket

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.



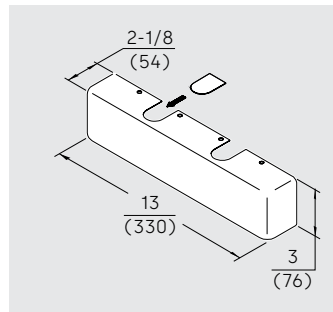
Parallel drop bracket

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



Slim plastic cover

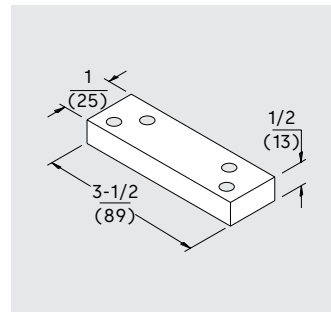
COV — Optional slim plastic cover.



Full plastic cover

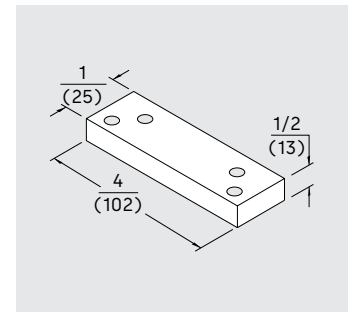
FC — Optional full plastic cover with interchangeable tab. Closers are prepared to accept FC covers only when specified with initial closer order.

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.

Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impact through its entire life cycle, dormakaba provides Environmental Product Declarations (EPD), based on holistic life cycle assessments. <https://www.dormakabagroup.com/en/sustainability/product-declarations>.

Our offering

Access Automation Solutions

Entrance Automation
Entrance Security



Access Control Solutions

Electronic Access & Data
Escape and Rescue Systems
Lodging Systems



Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems



Services

Technical Support
Installation and commissioning
Maintenance and Repair



Key & Wall Solutions

Key Systems
Movable / Sliding Walls



Safe Locks

Electronic Safe Locks
Mechanical Safe Locks
Boltworks and Accessories



Glass systems

Manual door systems
Glass fittings
Horizontal Sliding Walls



DHW_1668_BR_EN CEI 0225
Subject to change without notice

dormakaba USA Inc.
6161 E 75th Street
Indianapolis, IN 46250
1-800-523-8483
dormakaba.us



dormakaba.com