

## Model No.: 2328A Door Closer



✓=YES	X=NO	O=OPTION	
SPRING STRENGTH	2-5	RACK AND PINION	✓
STANDARD-750MM 35KGS NO.1	X	NON-HANDED	✓
-850MM 45KGS NO.2	✓	ANGLE OF OPENING	180°
-950MM 60KGS NO.3	✓	POWER ADJUSTABLE BY SPRING	✓ ★
-1100MM 80KGS NO.4	✓	POWER ADJUSTABLE BY POSITION	X
-1250MM 110KGS NO.5	✓	SWEEPING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	236	LATCHING SPEED ADJUSTMENT	✓
HEIGHT	60	BACK CHECK SELF-REGULATING	X
PROJECTION	39	ADJUSTABLE AT VALUE	O
ARM STANDARD	✓	DELAY ACTION	O
PARALLEL ARM BRACKET	O	FINISHES SLIVER	✓
SLIDE(W/HOLD OPEN)	O	COVER STAINLESS STEEL-POLISHING COLOR	O
HOLD OPEN ARM	O	COVER STAINLESS STEEL-STAIN COLOR	O

## Model No.: 2378 Door Closer

✓=YES	X=NO	O=OPTION	
SPRING STRENGTH	2-4	RACK AND PINION	✓
STANDARD-750MM 35KGS NO.1	X	NON-HANDED	✓
-850MM 45KGS NO.2	✓	ANGLE OF OPENING	180°
-950MM 60KGS NO.3	✓	POWER ADJUSTABLE BY SPRING	X
-1100MM 80KGS NO.4	✓	POWER ADJUSTABLE BY POSITION	✓ ★
-1250MM 110KGS NO.5	X	SWEEPING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	180	LATCHING SPEED ADJUSTMENT	✓
HEIGHT	44	BACK CHECK SELF-REGULATING	O
PROJECTION	65	ADJUSTABLE AT VALUE	X
ARM STANDARD	✓	DELAY ACTION	X
PARALLEL ARM BRACE	O	FINISHES SLIVER	✓
SLIDE(W/HOLD OPEN)	O	COVER STAINLESS STEEL-POLISHING COLOR	O
HOLD OPEN ARM	O	COVER STAINLESS STEEL-STAIN COLOR	O



## Model No.: 2388 Door Closer



✓=YES	X=NO	O=OPTION	
SPRING STRENGTH	2-4	RACK AND PINION	✓
STANDARD-750MM 35KGS NO.1	X	NON-HANDED	✓
-850MM 45KGS NO.2	✓	ANGLE OF OPENING	180°
-950MM 60KGS NO.3	✓	POWER ADJUSTABLE BY SPRING	X
-1100MM 80KGS NO.4	✓	POWER ADJUSTABLE BY POSITION	✓ ★
-1250MM 110KGS NO.5	X	SWEEPING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	220	LATCHING SPEED ADJUSTMENT	✓
HEIGHT	50	BACK CHECK SELF-REGULATING	O
PROJECTION	42	ADJUSTABLE AT VALUE	X
ARM STANDARD	✓	DELAY ACTION	X
PARALLEL ARM BRACKET	O	FINISHES SLIVER	✓
SLIDE(W/HOLD OPEN)	O	COVER STAINLESS STEEL-POLISHING COLOR	O
HOLD OPEN ARM	O	COVER STAINLESS STEEL-STAIN COLOR	O

## Model No.: 2380 Concealed Door Closer

√=YES	X=NO	O=OPTION	
SPRING STRENGTH	1-4	RACK AND PINION	✓
STANDARD-750MM 35KGS NO.1	2381	NON-HANDED	✓
-850MM 45KGS NO.2	2382	ANGLE OF OPENING	120°
-950MM 60KGS NO.3	2383	POWER ADJUSTABLE BY SPRING	X
-1100MM 80KGS NO.4	2384	POWER ADJUSTABLE BY POSITION	X
-1250MM 110KGS NO.5	X	SWEEPING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	230	LATCHING SPEED ADJUSTMENT	✓
HEIGHT	56	BACK CHECK SELF-REGULATING	O
PROJECTION	30	ADJUSTABLE AT VALUE	X
ARM STANDARD	X	DELAY ACTION	X
PARALLEL ARM BRACET	X	FINISHES SLIVER	✓
SLIDE(W/HOLD OPEN)	✓	COVER STAINLESS STEEL-POLISHING COLOR	X
HOLD OPEN ARM	X	COVER STAINLESS STEEL-STAIN COLOR	X



## Model No.: 2398 Door Closer



√=YES	X=NO	O=OPTION	
SPRING STRENGTH	1-4	RACK AND PINION	✓
STANDARD-750MM 35KGS NO.1	2398-1	NON-HANDED	✓
-850MM 45KGS NO.2	2398-2	ANGLE OF OPENING	180°
-950MM 60KGS NO.3	2398-3	POWER ADJUSTABLE BY SPRING	X
-1100MM 80KGS NO.4	2398-4	POWER ADJUSTABLE BY POSITION	✓
-1250MM 110KGS NO.5	X	SWEEPING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	207	LATCHING SPEED ADJUSTMENT	✓
HEIGHT	55	BACK CHECK SELF-REGULATING	O
PROJECTION	40	ADJUSTABLE AT VALUE	X
ARM STANDARD	✓	DELAY ACTION	X
PARALLEL ARM BRACET	O	FINISHES SLIVER	✓
SLIDE(W/HOLD OPEN)	O	COVER STAINLESS STEEL-POLISHING COLOR	O
HOLD OPEN ARM	O	COVER STAINLESS STEEL-STAIN COLOR	O



## Model No.: 3322 Floor Hinge

√=YES	X=NO	O=OPTION	
SPRING STRENGTH	1-3	POWER ADJUSTABLE BY SPRING	X
STANDARD-850MM 70KGS NO.1	3322-1	POWER ADJUSTABLE BY POSITION	X
-950MM 105KGS NO.2	3322-2	SWEEPING SPEED ADJUSTMENT	✓
-1100MM 150KGS NO.3	3322-3	LATCHING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	230	BACK CHECK SELF-REGULATING	X
HEIGHT	56	ADJUSTABLE AT VALUE	X
PROJECTION	30	DELAY ACTION	X
ARM STANDARD	✓	HOLD OPEN WITHOUT HOLD OPEN	✓
OFFSET	O	AT 90° HOLD OPEN	O
NON-HANDED	✓	AT 105° HOLD OPEN	O
ANGLE OF OPENING	120°		



## Model No.: 3367 Floor Hinge



HEAVY DUTY LOAD:300KGS



✓=YES	X=NO	O=OPTION	
SPRING STRENGTH	2-6	ANGLE OF OPENING	180°
STANDARD-850MM 70KGS NO.2	X	POWER ADJUSTABLE BY SPRING	X
-950MM 105KGS NO.3	X	POWER ADJUSTABLE BY POSITION	X
-1100MM 150KGS NO.4	3367	SWEEPING SPEED ADJUSTMENT	✓
300KGS NO.6	3367H	LATCHING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	296	BACK CHECK SELF-REGULATING	X
HEIGHT	96	ADJUSTABLE AT VALUE	O
PROJECTION	48	DELAY ACTION	O
ARM STANDARD	✓	HOLD OPEN WITHOUT HOLD OPEN	✓
OFFSET	O	AT 90° HOLD OPEN	✓
NON-HANDED	✓	AT 105° HOLD OPEN	✓

## Model No.: 3368 Floor Hinge

✓=YES	X=NO	O=OPTION	
SPRING STRENGTH	2-4	POWER ADJUSTABLE BY SPRING	X
STANDARD-850MM 70KGS NO.2	3368-2	POWER ADJUSTABLE BY POSITION	X
-950MM 105KGS NO.3	3368-3	SWEEPING SPEED ADJUSTMENT	✓
-1100MM 150KGS NO.4	3368-4	LATCHING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	306	BACK CHECK SELF-REGULATING	X
HEIGHT	108	ADJUSTABLE AT VALUE	X
PROJECTION	40	DELAY ACTION	X
ARM STANDARD	✓	HOLD OPEN WITHOUT HOLD OPEN	✓
OFFSET	O	AT 90° HOLD OPEN	O
NON-HANDED	✓	AT 105° HOLD OPEN	O
ANGLE OF OPENING	130°		



## Model No.: 3385 Floor Hinge



✓=YES	X=NO	O=OPTION	
SPRING STRENGTH	2-4	POWER ADJUSTABLE BY SPRING	X
STANDARD-850MM 70KGS NO.2	3385-2	POWER ADJUSTABLE BY POSITION	X
-950MM 105KGS NO.3	3385-3	SWEEPING SPEED ADJUSTMENT	✓
-1100MM 150KGS NO.4	3385-4	LATCHING SPEED ADJUSTMENT	✓
BODY DIMENSIONS(mm)LENGTH	306	BACK CHECK SELF-REGULATING	X
HEIGHT	108	ADJUSTABLE AT VALUE	X
PROJECTION	40	DELAY ACTION	X
ARM STANDARD	✓	HOLD OPEN WITHOUT HOLD OPEN	✓
OFFSET	O	AT 90° HOLD OPEN	O
NON-HANDED	✓	AT 105° HOLD OPEN	O
ANGLE OF OPENING	130°		

## Model No.: 2387 Adjustable Spring Concealed Door Closer



### Features & Application

Adjustable closing force EN 2 to 4	
2387 Die-cast Concealed Door closer (EN)	2 to 4
Max. Door width (mm)	850 to 1100 mm
Max. Door weight (kgs)	45 to 80Kgs
Body size(mm )	Length 239 Width 61 Projection 37
Maximum Angle of Opening	120°

### Speed Adjustments:

1. Closing speed Adjustments (120° ~ 15°)
2. Latching Speed adjustment (15°~0°)

### Control Valves:

1. Power Adjustable Valve by Spring Closing Force EN 2 to 4
2. Hold-open Function (Optional with use of Hold-open Clip)
3. Built in Backcheck (Optional adjustable Backcheck at valve)  
<<Degree of backcheck sets in at approximately 75°>>



### Construction:

1. Constructed with extruded anodized aluminum body & high quality steel internal components
2. Heated treated steel rack and pinion immersed in high grade oil to give smooth precision action \* minimum wear Stable Hydraulic fluid for any climate operation & constant lubrication
3. Heat treated high tensile spring piston & spindle been heat treated for high strength

### Finishes:

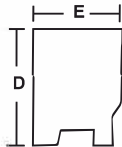
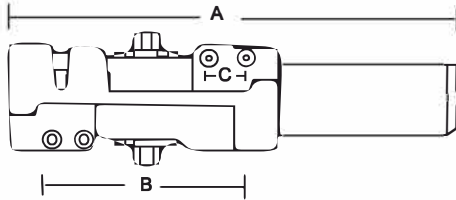
1. Standard: Silver Liquid coated with oven process
2. Optional colors: Dark brown, Gold or other finish upon request.

### Guarantee:

A Free replacement ex-works of any closer provided defective by reason either of faulty manufacture defect in materials.

## Model No.: 1303 Door Closer , ANSI A156.4, GRADE 1

### Specifications:

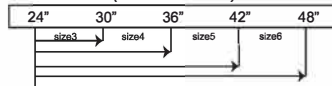


- A. Length of Closer Body 11"
- B. Horizontal Mounting Holes 5"
- C. Vertical Mounting Holes 1"
- D. Width of Closer Body 2 3/4"
- E. Projection from Door 2"



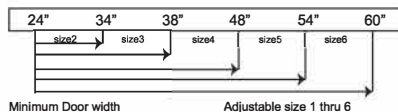
Closing power of 1303 Series closers may be adjusted 50%. Shows recommended range of door width for closer size.

#### EXTERIOR (and vestibule) door width



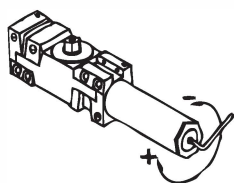
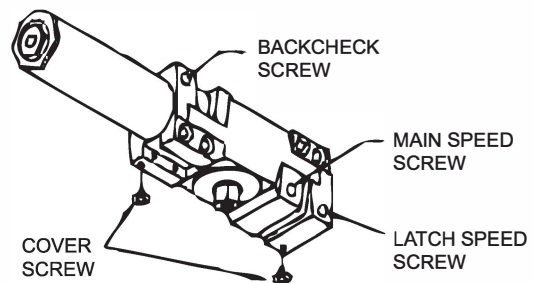
Minimum Door width

#### INTERIOR door width



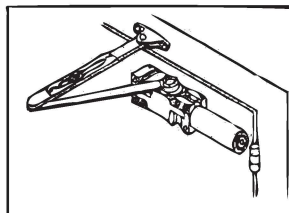
Minimum Door width

Adjustable size 1 thru 6

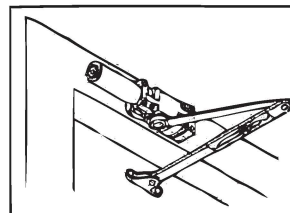


Spring power  
Adjustment

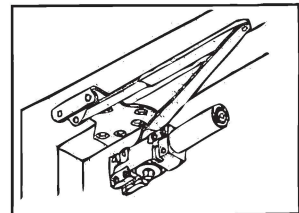
#### STANDARD MOUNT (PULL SIDE)



#### TOP JAMB MOUNT (PUSH SIDE)



#### PARALLEL MOUNT (PUSH SIDE)



### Features:

- Universal application. Non-handed for standard, top-jamb or parallel arm installation
- Non-sized, 1 thru 6. FACTORY PRESET SIZE 3 meets ADA
- Standard adjustable back check function(BA)
- Adjustable closing and latching speed by two separate regulating valves
- Optional adjustable delayed action (DA)
- Preset at the factory for approximately 20 seconds, between 70° and 0°. Delay time easily adjusted up to 1 minute. 1303 DA
- Standard full plastic cover
- Self tapping screws and closer gauge for easy adjustment is standard feature



**Model No.: 1307 Door Closer**

Full Cover Multi-size Full Feature Closer  
ANSI 156.4 Grade 1

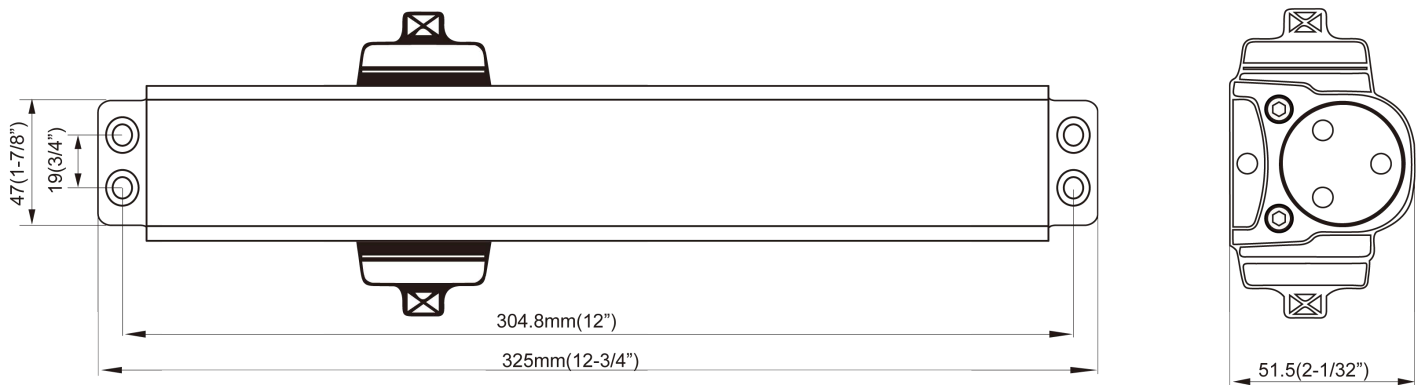


UL Listed Conforms to standards  
UL10C

**Specifications:**

Description Size

- A. Length of Closer Body **325mm (12-3/4")**
- B. Horizontal Mounting Holes **304.8 mm (12")**
- C. Vertical Mounting Holes **19 mm (3/4")**
- D. Width of Closer Body **47 mm (1-7/8")**
- E. Projection from Door **51.5 mm (2-1/32")**

**Features:**

- Universal application. Non-handed for standard, top-jamb or parallel arm installation
- Non-sized, multi size 1 to 6
- Standard adjustable back-check function
- Adjustable closing and latching speed by two separate regulating valves
- Standard full plastic cover
- Extended long arm for top jamb mount with deep reveals. 1309 EXT
- ANSI 156.4 Grade 1: UL listed for fire door assemblies
- Available in Alum, Duro, Black, Gold Finishes
- Optional adjustable delayed action (DA) Preset at the factory for approximately 20 seconds, between 70° and 0° Delay time easily adjusted up to 1 minute.
- Barrier free (BR) Meets ADA regulation. Size 1 thru 4. Engineered with reduced spring power to provide easier opening for handicapped or elderly.

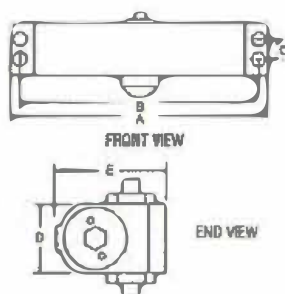
## Model NO.:1309 Door Closer

Full Cover Multi-size Full Feature Closer ANSI  
156.4 Grade 1

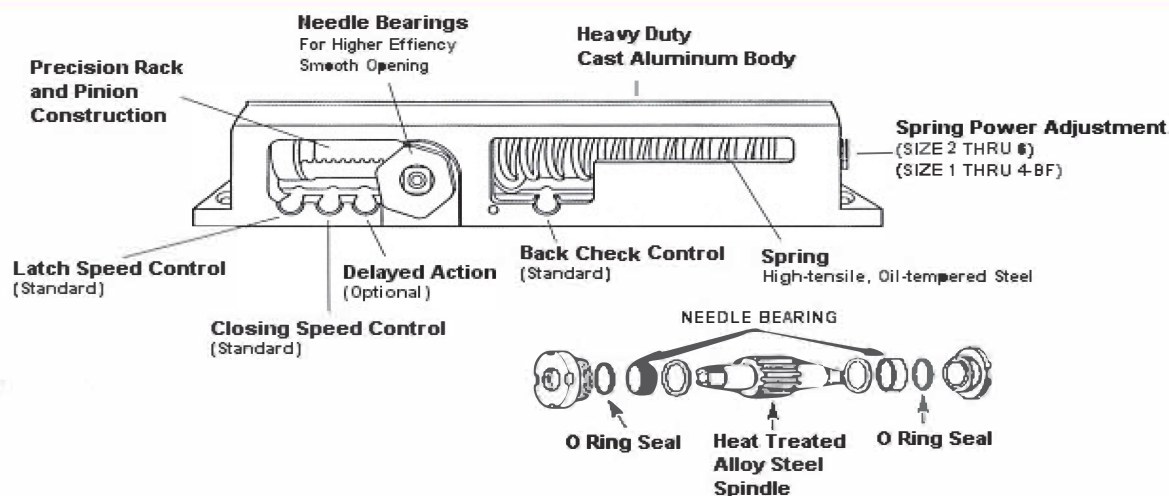
### Specifications:

Description Size

- A. Length of Closer Body 11-3/4"
- B. Horizontal Mounting Holes 11-1/8"
- C. Vertical Mounting Holes 3/4"
- D. Width of Closer Body 2"
- E. Projection from Door 2-7/8"



UL Listed Conforms To Standards  
UL10C and UBC7-2-1997



### Features:

- Universal application. Non-handed for standard, top-jamb or parallel arm installation
- Non-sized, 2 thru 6 and 1 thru 4 FACTORY PRESET SIZE 3
- Standard adjustable back-check function
- Adjustable closing and latching speed by two separate regulating valves
- Standard full plastic cover
- Extended long arm for top jamb mount with deep reveals.1309EXT
- ANSI 156.4 Grade 1: UL listed for fire door assemblies
- Available in Alum, Duro, Gold, US3, 26, 26D, 10A and US5 Finishes
- Optional adjustable delayed action (DA) Preset at the factory for approximately 20 seconds, between 70° and 0° Delay time easily adjusted up to 1 minute.
- Barrier free (BR) Meets ADA regulation. Size 1 thru 4. Engineered with reduced spring power to provide easier opening for handicapped or elderly.

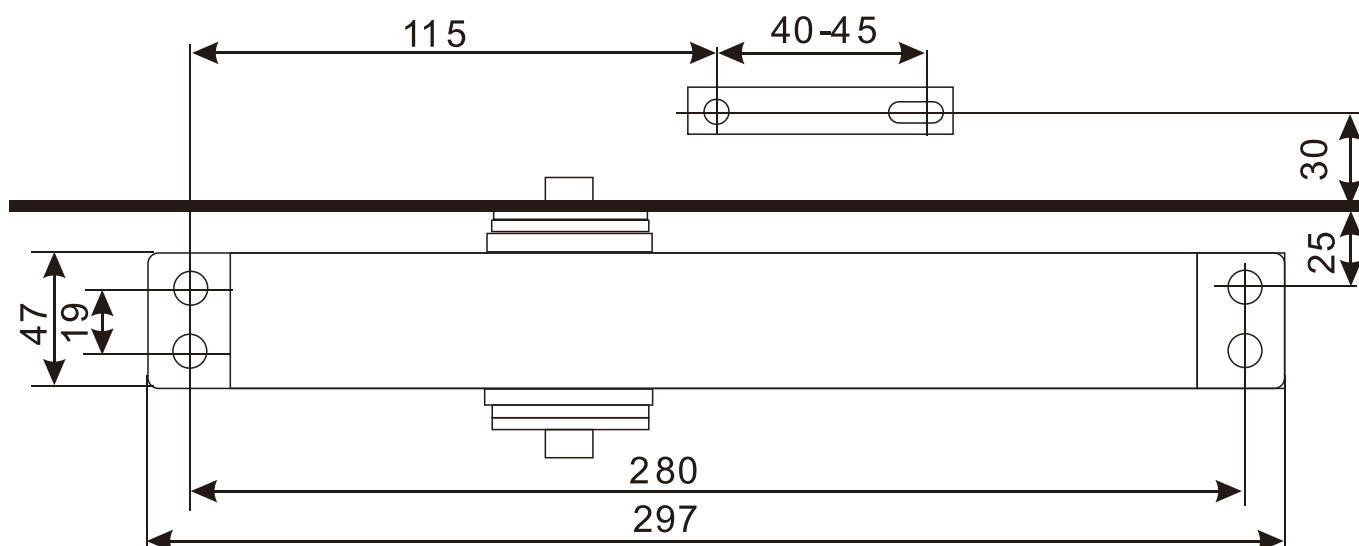
# 907BCDA DOOR CLOSER

Heavy Duty loading 200Kgs



## Features

- Two separate valves give adjustable closing & latching speed.
- Standard adjustable back check & delay action function
- Universal application non-handed for standard, top-jamb for parallel arm installation.
- Door weight: 150~200KG





## Model No.: 2530 Door Closer

- Budget style
- UL listed
- Two Separate valves adjustable closing & latching speed
- Optional Built-in Hold open, or Hold open arm
- Universal Application: Standard  
Optional Top-jamb parallel arm



Body size(mm)	Spring Strength	Max. Door Width(mm)	Suit for Max. Door Weight (kg)
179x42x62.5mm	2~4	950mm	40-65kgs
Back Check Function	Hold Open	Max. Open Angle	Applicable temperature
N/A	Optional	180°	-30°C~60°C

