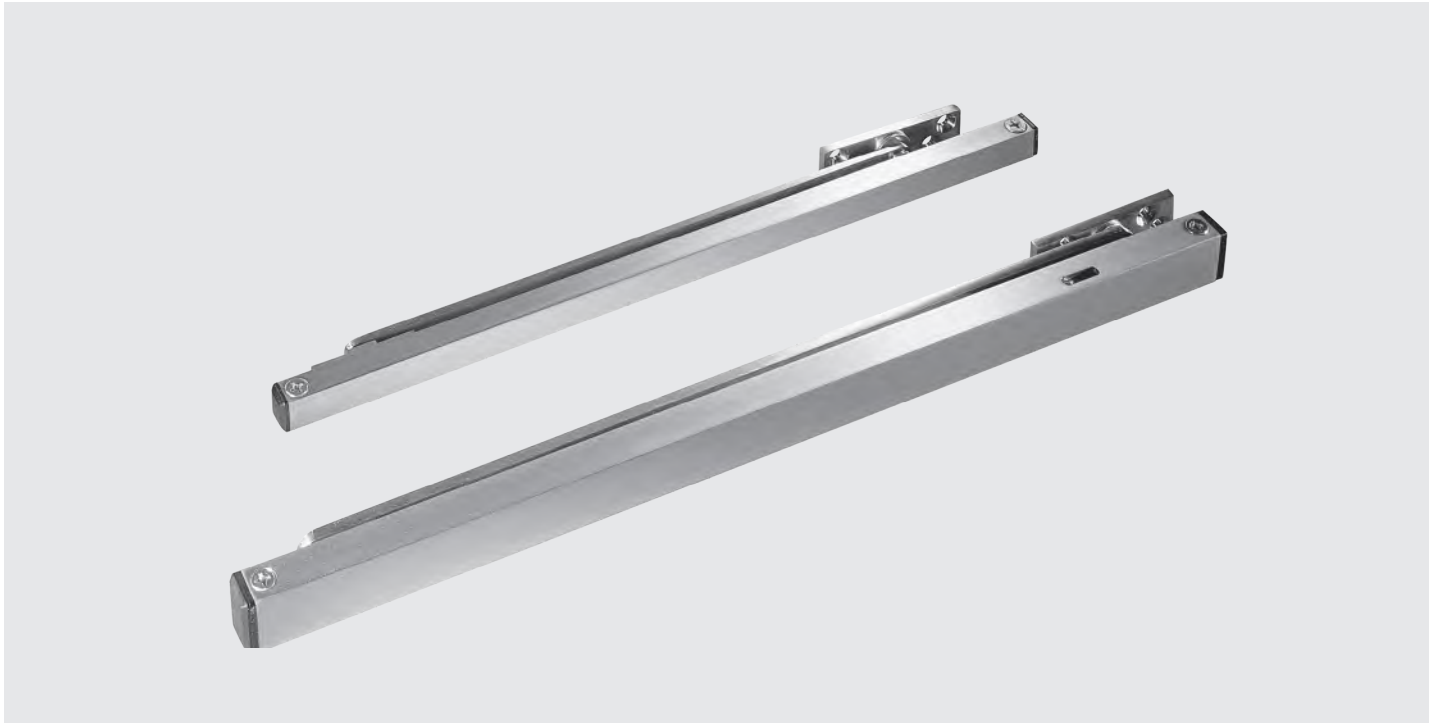


# 700/900 Series

## Stops and holders

We make access in life smart and secure





## 700/900 Series

### Contents

#### 700/900 Series Stops and holders

- 03 Features
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- 05 Applications
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The versatile 700/ 900 Series complements DORMA's full range of door closers and provides total door control systems.

Separate stops and holders are the preferred method of limiting door swing. They are ideal where the use of wall or floor stops is precluded. These high quality units are both durable and visually pleasing.

A standard two-coat paint finish is the best choice to match sprayed DORMA door closers. Optional plated finishes are also available.

**Stop** only units are designed to limit the degree of door swing while providing a cushioned stop. These units are a good choice for use on labeled fire doors where hold open is prohibited.

**Stop/Hold** units function like stop only units with an added selective on/off hold open feature. An inconspicuous slot screw on the face of the track channel allows field

engagement/disengagement of hold open. Stop/hold is recommended where non-labeled doors must be held in the open position.

**Friction/Stop** units provide a cushioned limiting stop and adjustable friction stay. The accessible screw on top of the slide shoe allows field adjustment of the friction. This option provides a method of holding non-labeled doors at multiple positions without readjustment. Available in 700/710 Series only.

#### Materials

The strength, performance, and corrosion-resistance of aluminum make it a natural choice for the extruded track channel.

Nylon composites have proven friction resistance and durability, and are ideal for the Standard Duty 700 Series slide shoe. The Heavy-Duty 900 Series incorporates a slide block machined from solid brass, offering greater strength and durability.



Made in USA

Zinc plated steel arms and parallel arm brackets function as connecting links to transfer the power of a door closer between the door and frame. These same materials are used for the arm and soffit plate of the stop/holder line.

The symmetrical hole pattern of the soffit plate simplifies frame preparation and installation.

The two-coat paint finish adds further corrosion-resistance in addition to zinc plating.

This progressive combination of materials and design eliminates the need for complicated variations. The simplified DORMA line suits virtually all applications.

#### Degree of stop/hold

DORMA stops and holders provide limiting stop or hold open at 85°, 90°, 95°, 100°, 105°, and 110° of the door opening. Stop only and friction stop units limit door swing at the degree determined by the template dimensions selected at installation. Stop/hold units provide hold open at the degree selected at installation.

The maximum door swing is several degrees greater than the hold open due to compression of the cushioned stop.

#### Certification

- The DORMA 700/900 Series is listed by UL and CUL under their continuing reinspection programs.
- The 700/900 Series is certified to the requirements of ANSI/BHMA A156.8 Grade 1 (900/910) and Grade 3 (700/710).

#### Reinforcement

dormakaba stops and holders are designed and manufactured from the highest quality materials to provide optimum service under heavy-duty use. Doors and frames must be properly reinforced to provide fastening of the track channel/ soffit plate and to withstand the operational forces involved. Refer to the individual product templates for additional reinforcement details.

#### Door swing/thickness

The information in this brochure is relative to 1-3/4" thick doors hung on 4-1/2" x 4-1/2" butt hinges, 3/4" offset pivots, and center hung pivots. Other methods of door hanging such as continuous hinges, invisible hinges, wide throw hinges, swing clear hinges, and 1-1/2" offset pivots can change the throw of the door. Likewise, altering the door thickness from 1-3/4" may require different templating. Contact DORMA Technical Service for assistance with applications other than those listed.

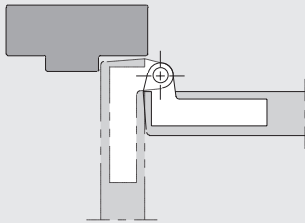


Intertek

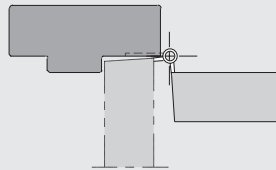


Intertek

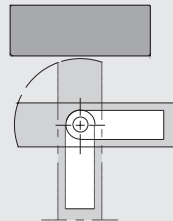
dormakaba USA quality and environmental management systems in Reamstown, PA and Steeleville, IL are certified to ISO 9001:2008 and ISO 14001:2004.



Offset pivots



4-1/2" Butt hinges



Center hung

# How to order 700/900 Series

Optional brackets  
(use with RTSclosers)

Push side mounting bracket used w/903 & RTS offset hung

903RTSOFF

Push side mounting bracket used w/902 & RTS offset hung

902RTSOFF

Push side mounting bracket used w/RTS center hung

900RTSCH

Pull side Mounting bracket

7090

Series

Heavy duty Surface

90

Heavy duty Concealed

91

Standard Surface

70

Standard Concealed

71

Painted

PNT

696

695

693

691

690

689

600

Special Sprayed Finish (must specify)

Gold

Dark Duranodic Bronze

Black

Dull Bronze

Statuary Bronze

Aluminum

Primed

90

2

S

626

1

2

3

S

H

F

Stop only

Stop/hold

Friction stop (700 only)

Function

Door size

Refer to 700/900 series brochure; varies by model and mount.

Plated

605

606

611

612

613

618

619

625

626

Bright Brass

Satin Brass

Bright Bronze

Satin Bronze

Oxidized Satin Oil Rubbed Bronze

Bright Nickel

Satin Nickel

Bright Chrome

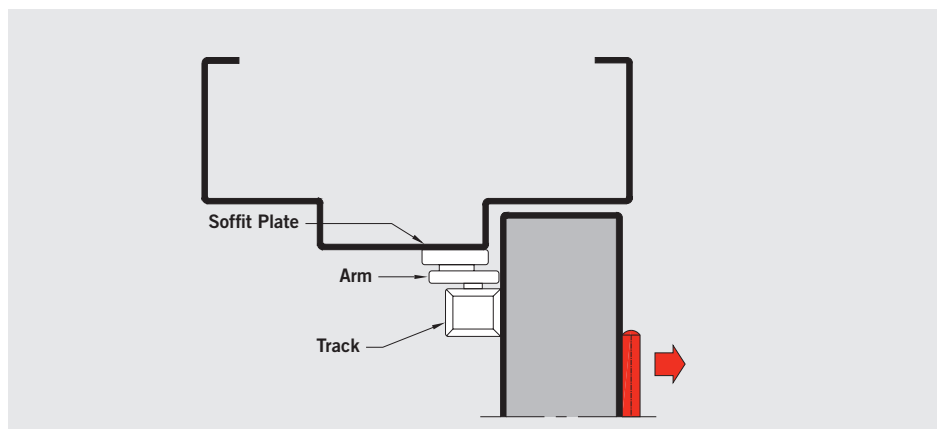
Satin Chrome

4

# Applications

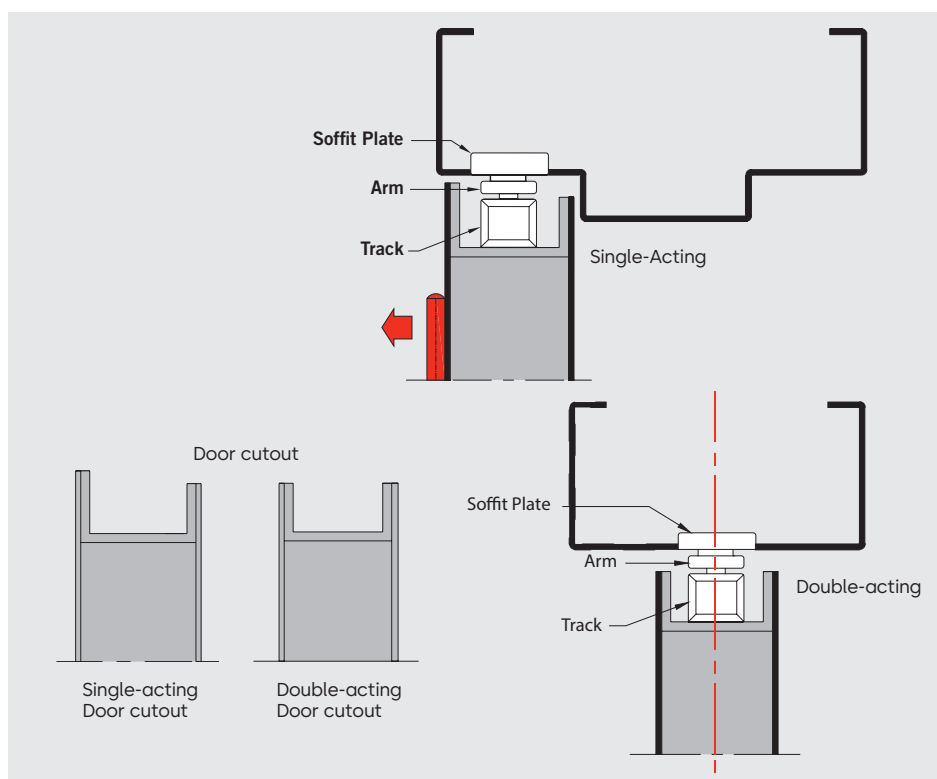
## Surface mounted

Surface mounted stop/holder installations require preparation of the push side door face and stop. The track is surface applied to the door face and the soffit bracket is secured to the stop. It does not require mortising the door or the frame. Surface mounted stops/holders can only be used on single-acting doors.



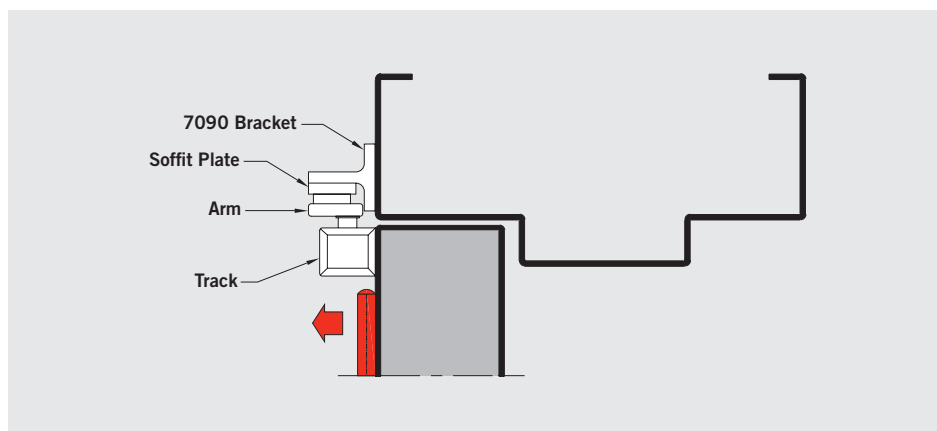
## Concealed mounted

Concealed mounted stop/holder installation requires mortising the door and frame. The track is installed in the mortise on the top edge of the door. The soffit plate is installed in a mortise in the frame. Concealed mounted stops/holders can be used on single- and double-acting doors. Single-acting doors require a cutout in the push face. Double-acting doors require cutouts in both faces of the door.



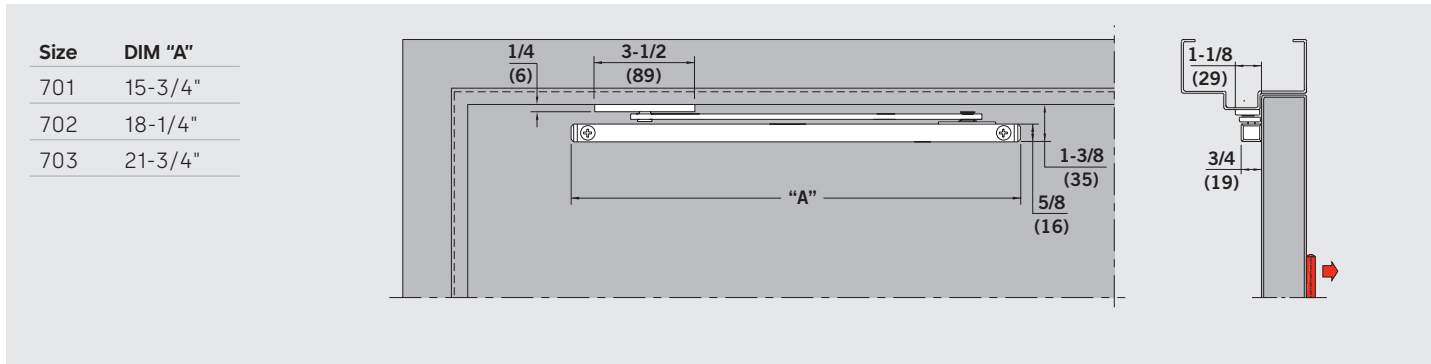
## 7090 Mounting bracket

The 7090 mounting bracket is required when surface mounted stops/holders are installed on the pull side. It is also used with flush rabbeted transom panels.



# Technical drawings

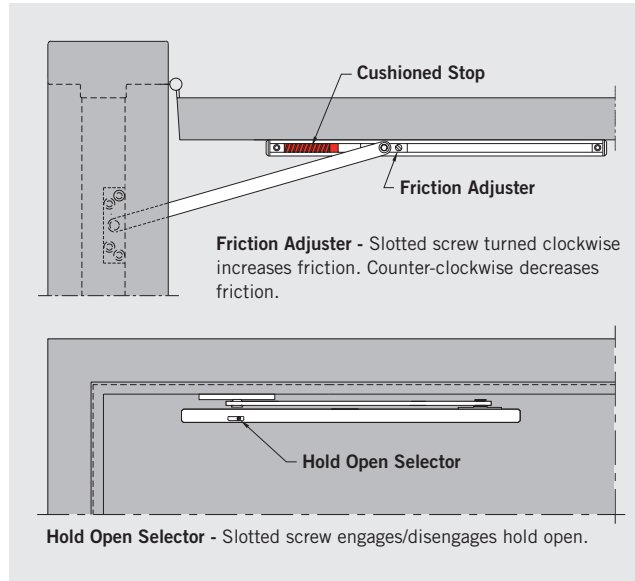
## 700 Standard duty surface applied



- 700S** — Surface applied stop only
- 700H** — Surface applied stop selective on/off hold open
- 700F** — Surface applied stop only adjustable friction, holds door at any angle
- Limits door swing
  - Built-in cushioned stop
  - Non-handed
  - Available stop only, stop/hold, or friction stop
  - Selective on/off feature with hold open unit
  - Adjustable friction tension with friction stop unit
  - Certified to ANSI/BHMA A156.8 Grade 3
  - Available in painted finishes
  - Plated finishes also available

**Note:** Endcaps are furnished in matte black.

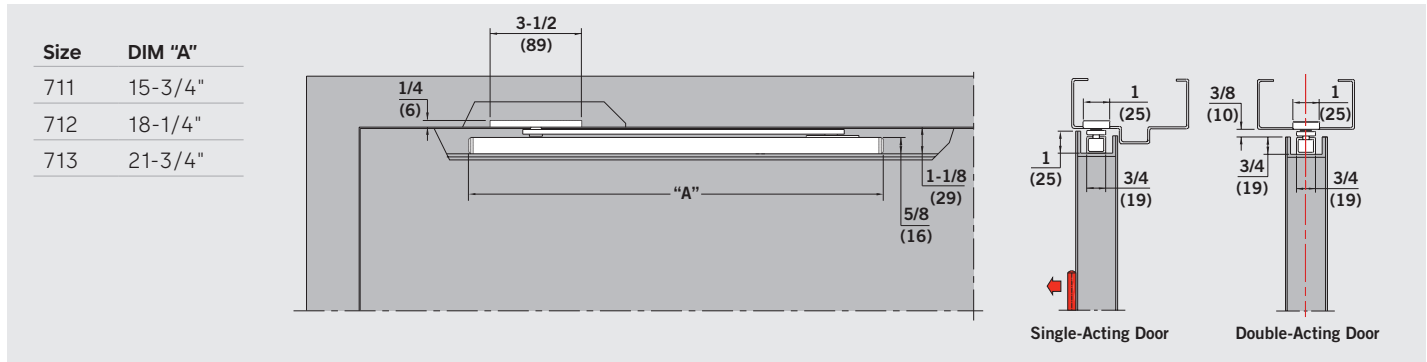
- Finishes**
- Standard sprayed finishes**
- Aluminum: 689
  - Bronze: 691 (Dull), 690 (Statuary), or 695 (Dark Duranodic)
  - Gold: 696
  - Black: 693
- Optional plated finishes**
- Brass: 605 (Bright) or 606 (Satin)
  - Bronze: 611 (Bright), 612 (Satin), or 613 (Oxidized Satin Bronze Oil Rubbed)
  - Chrome: 625 (Bright) or 626 (Satin)



## 700 Series size selection chart

Size	Butts/Offset pivots				Center hung			
	Door opening	Stop only	Hold open	Friction	Door opening	Stop only	Hold open	Friction
1	21" to 27"	701S	701H	701F	24" to 28"	701S	701H	701F
2	27-1/8" to 36"	702S	702H	702F	28-1/8" to 36"	702S	702H	702F
3	36-1/8" to 54"	703S	703H	703F	36-1/8" to 54"	703S	703H	703F

## 710 Standard duty concealed



**710S** — Concealed stop only

**710H** — Concealed selective on/off hold open

**710F** — Concealed stop only adjustable friction, holds door at any angle

- Limits door swing
- Built-in cushioned stop
- Non-handed
- Available stop only, stop/hold, or friction stop
- Selective on/off feature with hold open unit
- Adjustable friction tension with friction stop unit
- Certified to ANSI/BHMA A156.8 Grade 3
- Available in painted finishes
- Plated finishes also available

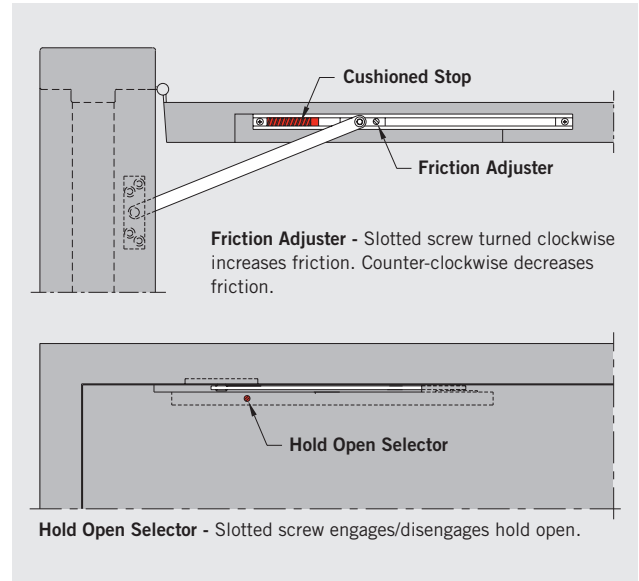
### Finishes

#### Standard sprayed finishes

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

#### Optional plated finishes

- Brass: 605 (Bright) or 606 (Satin)
- Bronze: 611 (Bright), 612 (Satin), or 613 (Oxidized Satin Bronze Oil Rubbed)
- Chrome: 625 (Bright) or 626 (Satin)



**Note:** Endcaps are furnished in matte black.

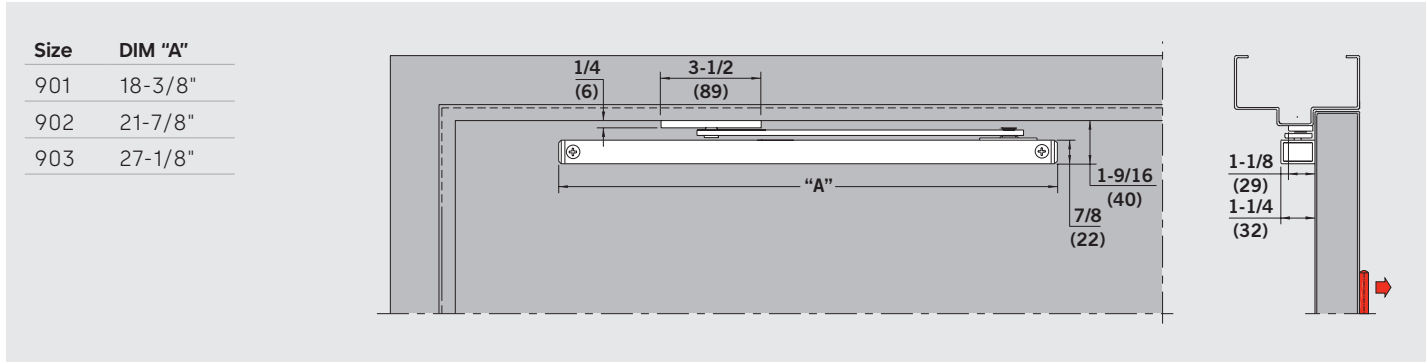
### 710 Series size selection chart

Butts/Offset pivots					Center hung			
Size	Door opening	Stop only	Hold open	Friction	Door opening	Stop only	Hold open	Friction
1	21" to 27"	711S	711H	711F	23" to 29"	—	—	711F*
2	27-1/8" to 36"	712S	712H	712F	29-1/8" to 37"	712S	712H	712F
3	36-1/8" to 54"	713S	713H	713F	37-1/8" to 54"	713S	713H	713F

\* 711F offers 85° and 90° stop only

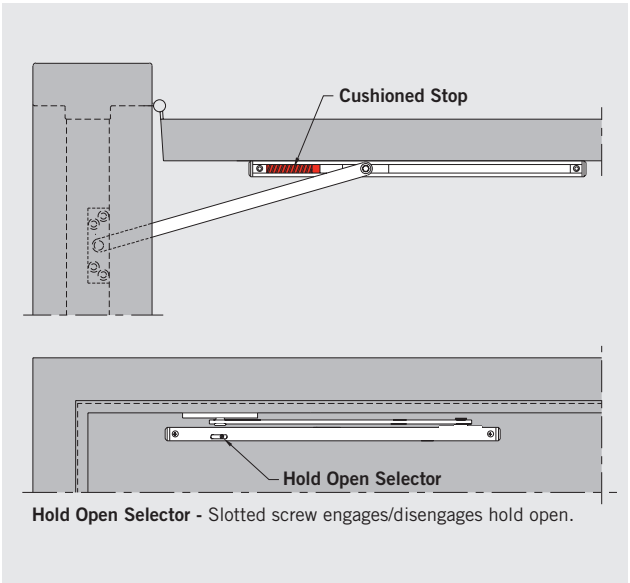
# Technical drawings

## 900 Heavy-duty surface applied



- 900S** — Surface stop only
- 900H** — Surface selective on/off hold open
- Limits door swing
  - Built-in cushioned stop
  - Non-handed
  - Available stop only or stop/hold
  - Selective on/off feature with hold open unit
  - Certified to ANSI/BHMA A156.8 Grade 1
  - Available in painted finishes
  - Plated finishes also available
- Note:** Endcaps are furnished in matte black.

- Finishes**
- Standard sprayed finishes**
- Aluminum: 689
  - Bronze: 691 (Dull), 690 (Statuary), or 695 (Dark Duranodic)
  - Gold: 696
  - Black: 693
- Optional plated finishes**
- Brass: 605 (Bright) or 606 (Satin)
  - Bronze: 611 (Bright), 612 (Satin), or 613 (Oxidized Satin Bronze Oil Rubbed)
  - Chrome: 625 (Bright) or 626 (Satin)

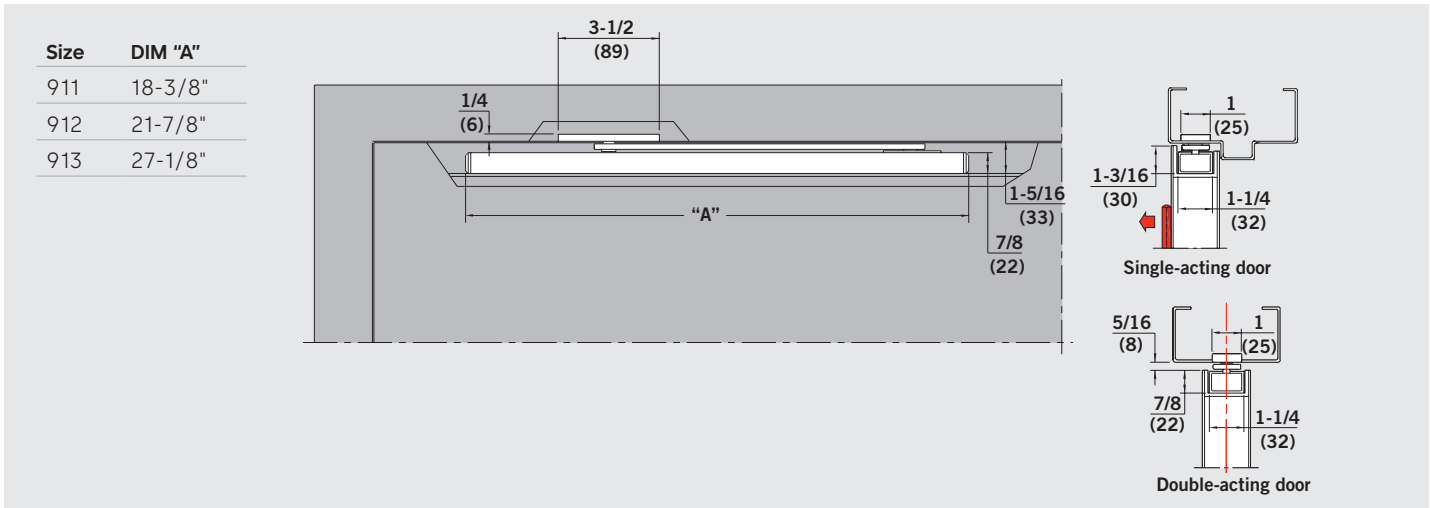


### 900 Series size selection chart

Size	Butts/Offset pivots			Center hung		
	Door opening	Stop only	Hold open	Door opening	Stop only	Hold open
1	24" to 34"	901S	901H	26" to 36"	901S	901H
2	34-1/8" to 44"	902S	902H	36-1/8" to 46"	902S	902H
3	44-1/8" to 54"	903S	903H	46-1/8" to 54"	903S	903H



## 910 Heavy-duty concealed



**910S** — Concealed stop only.

**910H** — Concealed selective on/off hold open.

- Limits door swing.
- Built-in cushioned stop.
- Non-handed.
- Available stop only or stop/hold.
- Selective on/off feature with hold open unit.
- Certified to ANSI/BHMA A156.8 Grade 1.
- Available in painted finishes.
- Plated finishes also available.

**Note:** Endcaps are furnished in matte black.

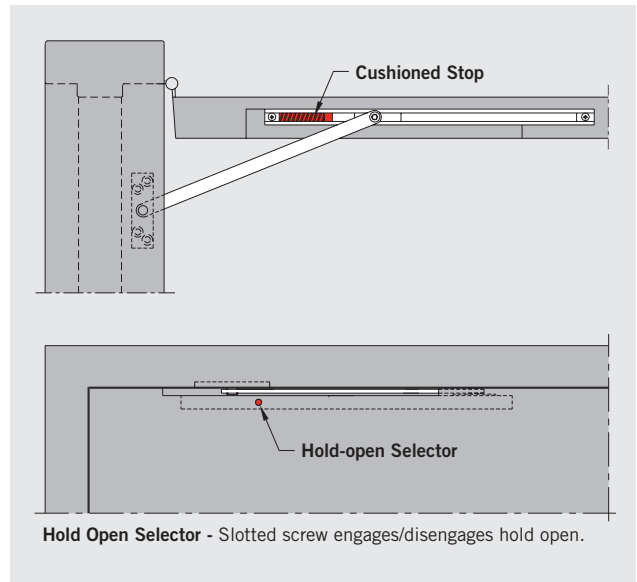
### Finishes

#### standard sprayed finishes

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

#### Optional plated finishes

- Brass: 605 (Bright) or 606 (Satin)
- Bronze: 611 (Bright), 612 (Satin), or 613 (Oxidized Satin Bronze Oil Rubbed)
- Chrome: 625 (Bright) or 626 (Satin)



### 910 Series size selection chart

Size	Butts/Offset pivots		Center hung			
	Door opening	Stop only	Hold open	Door opening	Stop only	Hold open
1	24" to 34"	911S	911H	27" to 37"	911S**	911H*
2	34-1/8" to 44"	912S	912H	37-1/8" to 46"	912S	912H
3	44-1/8" to 54"	913S	913H	46-1/8" to 54"	913S	913H

\* 911H offers 85° and 90° hold open only

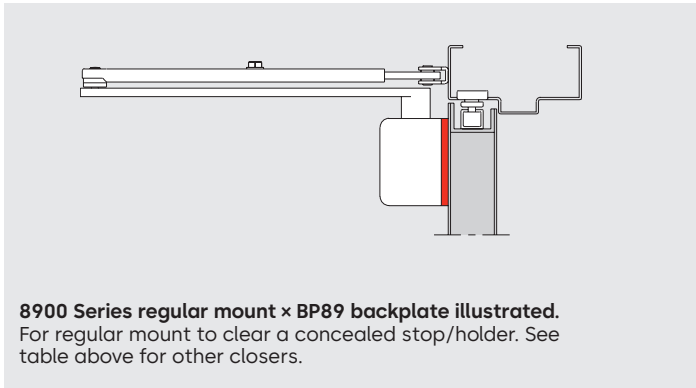
\*\* 911S offers 85°, 90°, and 95° stop only

## Accessories

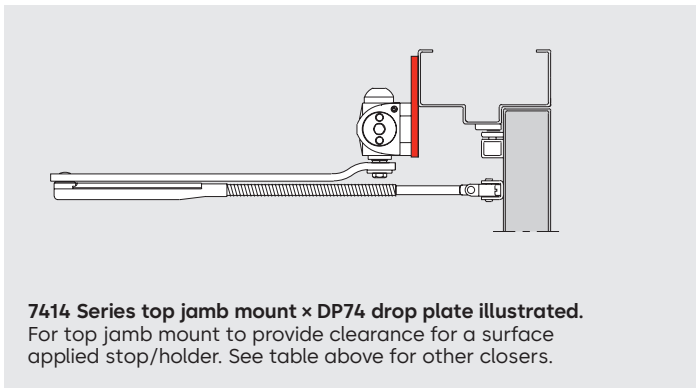
Accessories are available to resolve possible interference between closers and stops/holders. Below are example applications. Always refer to templates for specific applications or consult the factory for assistance.

Application	7414/7436	8616	8900
Backplate	BP74	BP86	BP89
	BP86	BP86FC	
	BP86FC		
Drop plate	DP74	DP86	DP89
Drop bracket	PD	PD	PD
Angle bracket	AB74	AB86	AB89

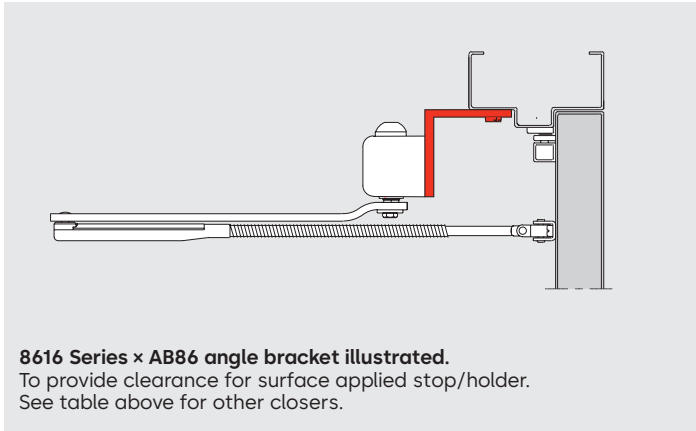
### Regular mount × Backplate



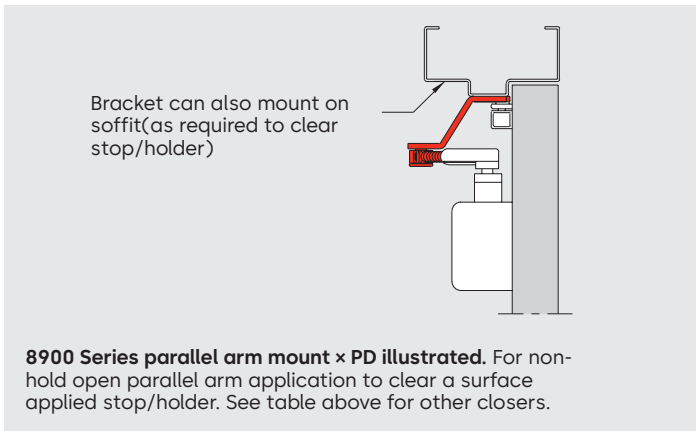
### Top Jamb mount × Drop plate



### Top jamb mount × Angle bracket



### Parallel arm mount × Drop bracket



### Cross reference chart

DORMA	BHMA	ANSI Std.	DORMA	BHMA	ANSI Std.
701S—703S	CO7543	A156.8	711F—713F	CO4533	A156.8
701H—703H	CO7513	A156.8	901S—903S	CO2541	A156.8
701F—703F	CO5533	A156.8	901H—903H	CO2511	A156.8
711S—713S	CO6543	A156.8	911S—913S	CO1541	A156.8
711H—713H	CO6513	A156.8	911H—913H	CO1511	A156.8



## 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\_1667\_BR\_EN  
Subject to change without notice

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



dormakaba.com