

# FIRE DOOR ACCESSORIES



**BLUE-WINGED TEAL** - Breeds primarily in the northern prairies and parklands of central North America. Their relative abundance generally increases from west to east, and north to south within the Prairie Pothole Region. Nesting habitat includes wetland areas within grasslands and marshes.

A grey fire door is shown in the center of the lower half of the page. The door is set against a background of intense, bright orange and yellow flames that appear to be rising from behind it. The door has a silver handle and a lock mechanism.

Regain  
Lost  
Fire  
Ratings

# Fire Door Accessories Product Index

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# FIRE DOOR ACCESSORIES

## Numerical Index:

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GAP90™ . . . . .	FDA3	9400 . . . . .	FDA3
GAP90DKB™ . . . . .	FDA3	9590 . . . . .	FDA5
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5075 . . . . .	FDA3	9990 . . . . .	FDA4
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## Rating Symbols Legend



**POSITIVE PRESSURE - CERTIFIED by UL to ANSI/UL10C;** complies with IBC, NFPA 80 and NFPA 252 for application to Hollow Metal fire doors rated up to 3 Hrs., and Wood fire doors rated up to 90 minutes (some ratings vary as noted).



**CERTIFIED by UL to CAN/ULC-S104 and ANSI/UL10B;** complies with NFPA 80 and NFPA 252 for application to Hollow Metal fire doors rated up to 3 Hrs., and Wood fire doors rated up to 90 minutes (some ratings vary as noted).



**SMOKE & DRAFT CONTROL GASKETING,** Certified by UL to ANSI/UL10C and ANSI/UL 1784 Category 'H'; complies with IBC and NFPA 105 for use on 'S' labeled Positive Pressure Hollow Metal fire doors rated up to 3 hours, and Wood fire doors rated up to 90 minutes (some ratings vary as noted).



**ACOUSTICAL TESTED** to ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, and ASTM E2235 Standard Test Method for Determination of Decay Rates for use in Sound Insulation Test Methods. Refer to information on pages G4 and G5 for test result data.



**AIR INFILTRATION TESTED** to ASTM E283, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.



**ANTI-MICROBIAL.** Treated with an anti-microbial additive to inhibit the growth of microorganisms.



**ANSI/BHMA CERTIFIED.** Certified gasketing complies with American National Standard for Door Gasketing and Edge Seal Systems ANSI/BHMA A156.22, and is listed in the BHMA Certified Products Directory.



Online product listings: [www.ul.com/database](http://www.ul.com/database)



## LEED Green Building

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a national standard for developing high-performance, sustainable buildings developed by the U. S. Green Building Council.

Our current LEED letter containing LEED qualification information for all our products is available at [www.ngp.com](http://www.ngp.com)

Environmental Product Declarations (EPD) prepared and certified by an Independent Laboratory based on Life Cycle Assessments (LCA) of our products may be viewed on our website, [www.ngp.com](http://www.ngp.com)

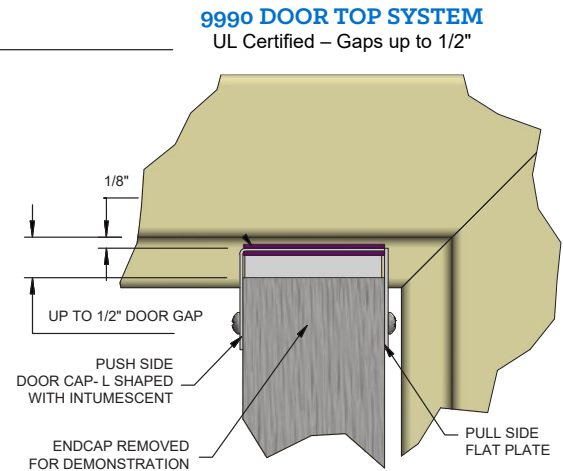
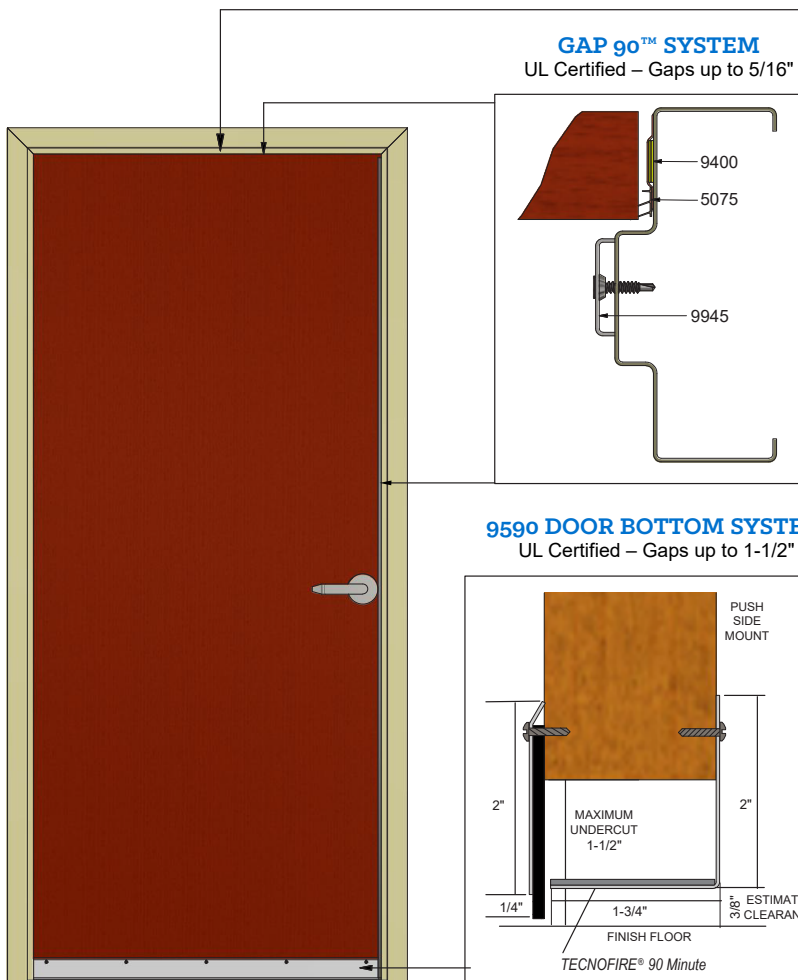
Health Product Declarations (HPD) may be viewed on our website, [www.ngp.com](http://www.ngp.com)

National Guard Products sustainability report may be viewed on our website, [www.ngp.com](http://www.ngp.com)

Contact us regarding our end of use product recycling program.



# NGP now offers complete solutions for excessive gaps



## FIRE DOOR CLEARANCE REQUIREMENTS

### BETWEEN DOOR & FRAME

WOOD DOORS = 1/8" MAX  
METAL DOORS = 1/8" TO 3/16

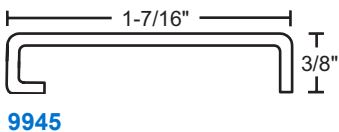
### UNDERNEATH DOOR

3/4" MAX

## Gap Solution for Excessive Fire Door and Frame Clearances — 90 Minute

UL Certified Solution for Fire doors with Excessive clearance between door and frame over 1/8", up to 5/16"

Requires installation of **ALL** components below:

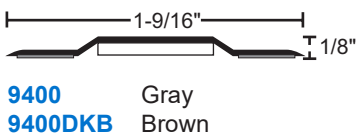


### Steel Stop Extender

16 Gauge , Gray Primer Finish

Furnished with #10 X 1" TEK SMS

Patent No.: US9,273,510B2

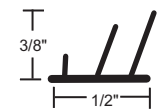


### NGP-Edge® Intumescent Seal with PVC cover

Self-Adhesive - specifications on page G9



Anti-Microbial



### Self-Adhesive TPE Seal



\*Anti-Microbial not available in clear

### Ordering Information:

**GAP90™** Includes 9945, 9400, 5075CL

**GAP90DKB™** Includes 9945, 9400DKB, 5075B

Available in 36", 48", 84" and 96" lengths



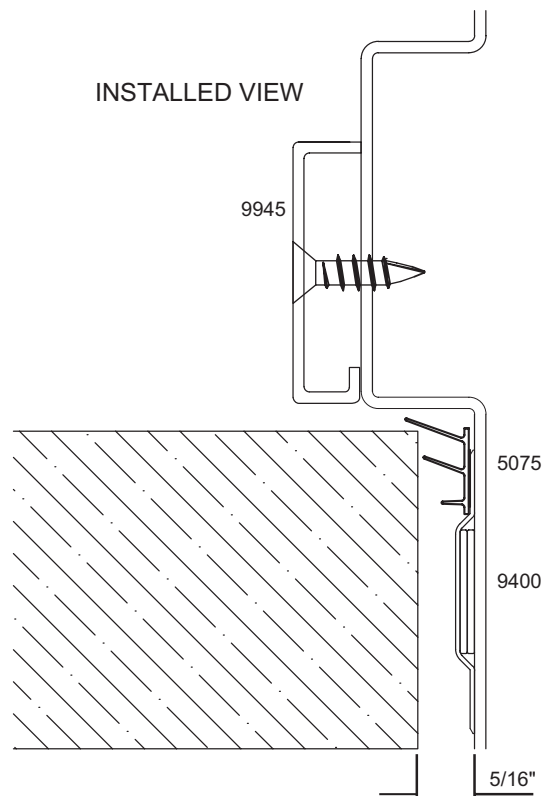
90 minute rated UL Certified Miscellaneous Fire Door Accessory UL10B and UL10C wood or hollow metal fire doors

An NGP strike shim 9275 or 9225 is also required for proper latchbolt engagement

Certified for use on doors with Rim Exit Devices, refer to Installation Instructions.

Doors with Parallel arm closers – use 9990 shown on next page.

### INSTALLED VIEW



## Gap Solution for Excessive Fire Door Top Clearance — 90 Minute

UL Certified Solution for Fire doors with Excessive Door Top Clearances up to 1/2"

### NGP-Edge® Intumescent Door Cap

Patent Pending

**9990**



90 minute rated UL10B and UL10C wood or hollow metal fire doors

Certified for use on doors with Concealed Vertical Rod Exit Devices or Automatic Flush Bolts, refer to Installation Instructions.

Non-Handed

*Product consists of:*

#304 Brushed Stainless Steel Flat Plate - pull side

#304 Brushed Stainless Steel Intumescent Cap - push side

#304 Brushed Stainless Steel End Caps

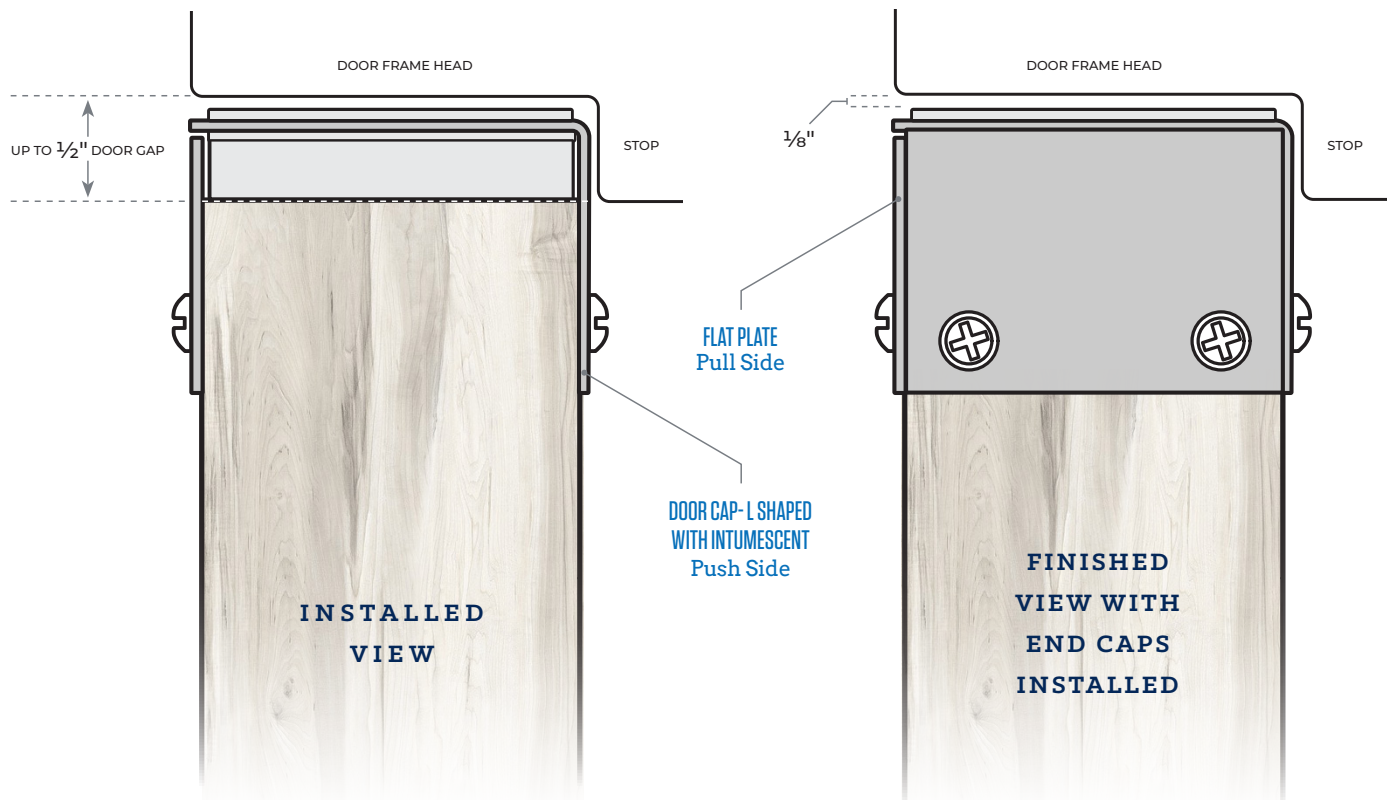
*No need to move hardware at the top of the door.*

*Works on doors with Parallel arm closers.*

Available in 36", 48" lengths

#6 x 3/4" Stainless Steel SMS furnished

Brushed stainless steel



## Gap Solution for Excessive Fire Door Bottom Undercut/Clearance — 90 Minute

UL Certified Solution for Fire doors with Excessive Door Bottom Clearances up to 1-1/2"

### NGP-Edge® Intumescent Door Shoe

Patent Pending

9590



90 minute rated UL10B and UL10C wood or hollow metal fire doors

Certified for use on doors with Concealed Vertical Rod Exit Devices or Automatic Flush Bolts, refer to Installation Instructions.

Restricts the passage of smoke

Non-Handed

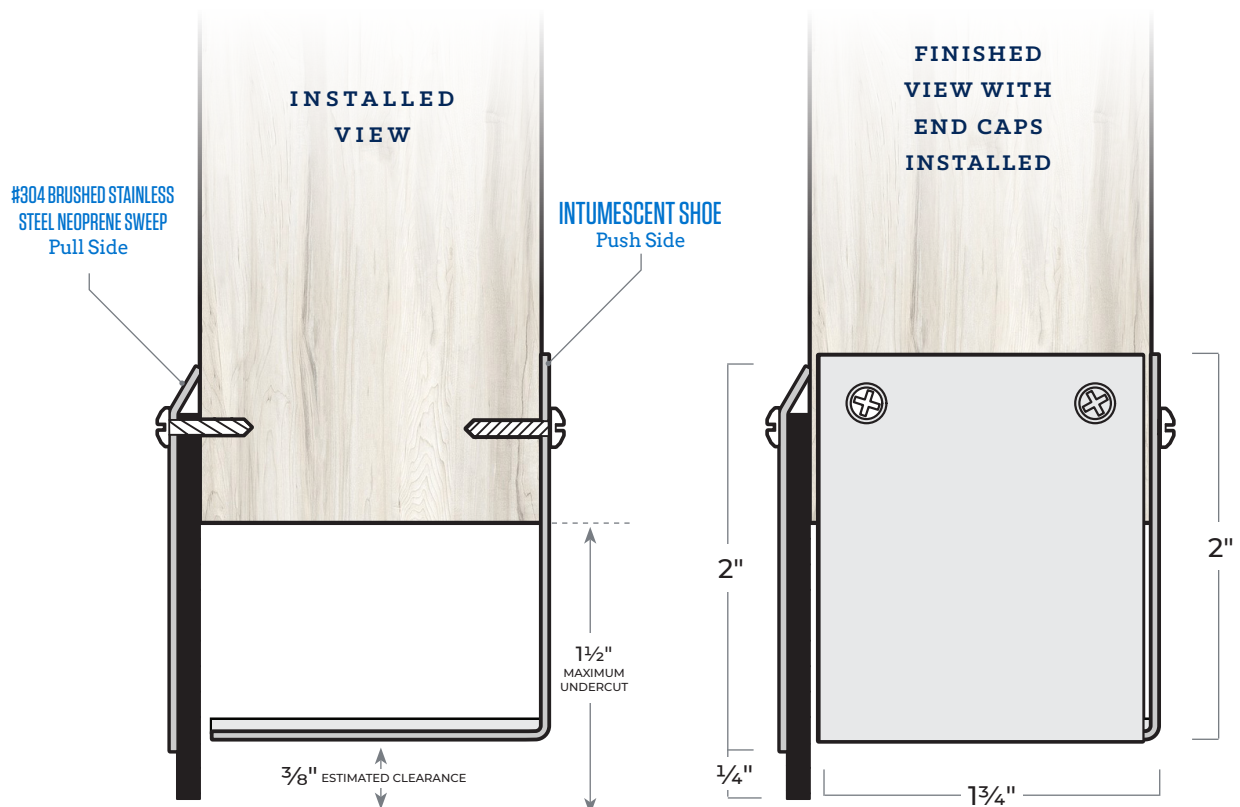
*Product consists of:*

- #304 Brushed Stainless Steel Neoprene Sweep - pull side
- #304 Brushed Stainless Steel Intumescent Shoe - push side
- #304 Brushed Stainless Steel End Caps

Available in 36", 48" lengths

#6 x 3/4" Stainless Steel SMS furnished

Brushed stainless steel  
neoprene is black



## Strike Shims — 90 Minute

**9275 - Fits 4-7/8" 'ASA' Strike Plate**

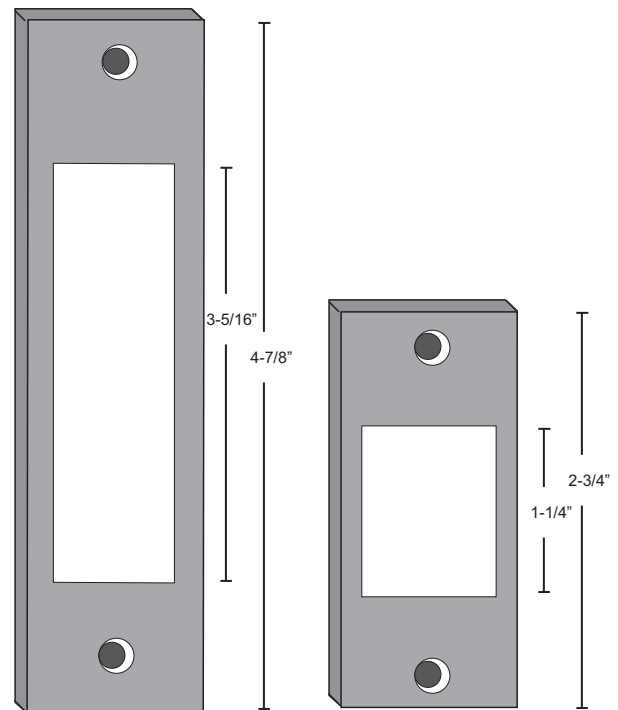
**9225 - Fits 2-3/4" 'T' Strike Plate**

UL Certified Miscellaneous Fire Door Accessory for excessive door and frame clearances, measuring up to 5/16"

Required for proper latchbolt engagement.



90 minute rated UL10B and UL10C wood or hollow metal fire doors



**9275** Gray Paint finish

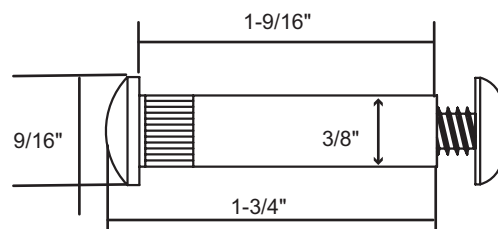
**9225** Gray Paint finish

## Fire Door Thru- Bolts

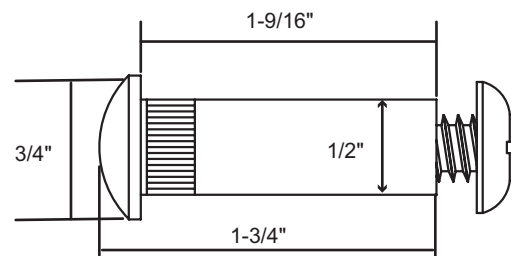
- Zinc Plated Steel Thru-Bolt Sleeve with Machine Screw
- Fits 1-3/4" to 2" thick doors
- Meets requirements of NFPA 80 for use on Fire Doors
- Use to fill holes in wood or steel fire doors to protect label compliance
- Available in boxes of twenty



**FDTB 1/2"**  
**FDTB 3/8"**



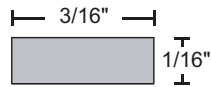
THREAD SIZE 1/4-20



THREAD SIZE 5/16-18

## Steel Hinge Shims

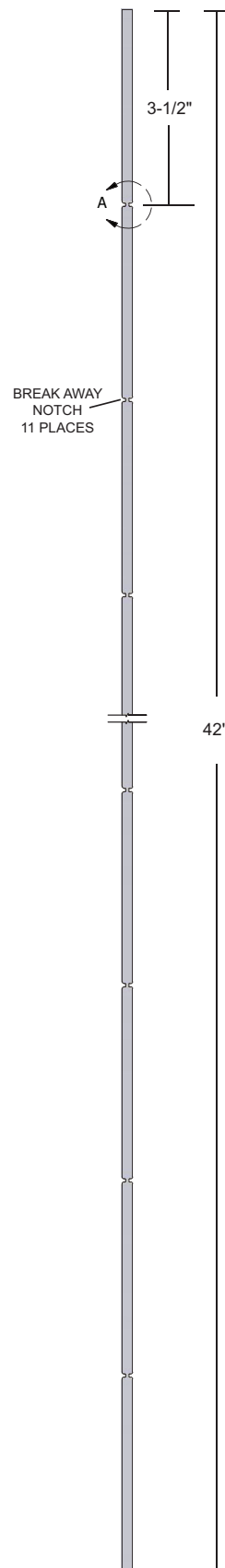
### HS-1



- Use to shim hinges to achieve required clearances between door and frame
- Dual purpose shim:
  - Use full 42" length for continuous hinges
  - Break-off 3-1/2" sections for butt hinges
- Steel fire-rated shims
- Pressure sensitive adhesive pads included for holding in place during installation
- Removable, re-stickable, and stackable
- Available in boxes of ten



UL Certified Miscellaneous  
Fire Door Accessory



## DoorGap Gauge®

Patented tool easily measures gap for fire door inspections.

### ***The Only Gauge You Will Need to Check Fire Door Assembly Clearance Requirements***

#### **Installers**

- A sure way to check Fire Door Clearance Requirements before inspection

#### **Inspectors**

- Will speed up your inspections
- More accurate than a tape measure
- Compact and easy to use

#### **Distributors**

- Supply with job to ensure Fire Assemblies are installed per Fire Door Requirements

#### ***The DoorGap Gauge® can also be used to:***

Check life safety egress assemblies  
Check other construction assemblies requiring specific clearances and operational tolerances.



**GAP GAUGE**

**(US Patent #7591073)**

## Common Questions

### ***Gaps - Perimeter vs. Door Bottom?***

Perimeter gaps in doors are the distance between the edge of the door and door frame as measured on the pull side of the opening. Door bottom gaps are the distance between the bottom of the door and the finish floor.

### ***Gaps - Why are they important?***

Proper gap tolerances ensure that the door will perform as it is intended. Gaps that are outside of tolerance can lead to compromised fire door integrity in a fire situation as well as not allow-

ing the fire door latching mechanism to engage fully as it is required to do by code.

### ***Gaps - What does the code say?***

NFPA 80 (the code standard for fire doors) states that fire doors must be inspected on an annual basis. Maximum allowable perimeter gap is 1/8" for wood doors, 1/8" +/- 1/16" for metal doors. Maximum allowable door bottom gap is 3/4". Gaps that exceed these maximum allowable tolerances result in a non-compliant fire door that needs to be repaired.

## Inline Mounting Bracket

Allows Parallel Arm Closer Mounting When Using GAP90

- Patent No. 9109388
- Low Profile Appearance: The 600D Inline Bracket mounts directly through the 9945 Steel Stop Extender when mounting door hardware to the soffit
- Soffit widths are not a concern. The 600D is specified for all frame dimensions eliminating the need for two different style mounting brackets
- Requires one bracket for each soffit applied hardware item
- May also be used with 9945 steel stop extender and a door coordinator
- Finish: powder coat gray



**600D-28**

