NGP

GAPGUARD™

FIRE DOOR ACCESSORIES
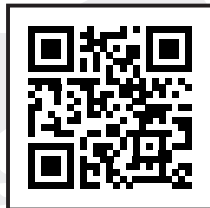
GAPGUARD™ INDEX:

NUMERICAL INDEX:

For the complete list of GapGuard™ Fire Door Accessories, the most up-to-date product information and installation instructions, scan the QR code or **visit ngp.com**.

RATINGS AND LEED
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/UL1784 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 of our full catalog 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 prohibit 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: 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 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, ngp.com

Health Product Declarations (HPD) may be viewed on our website, ngp.com

National Guard Products sustainability report may be viewed on our website, ngp.com/report/

Contact us regarding our end of use product recycling program.

NGP

GAPGUARD™

FIRE DOOR ACCESSORIES

LIFE-SAVING MEET COST-SAVING

NGP's UL Certified 90-minute Fire Door Accessories will help you avoid the cost, labor and disruption of replacing existing doors and/or structures to achieve compliance. Whether it's an excessive gap along the perimeter of the door or a hardware revision that jeopardizes the integrity of the door itself, GapGuard™ Fire Door Accessories has a solution to get you back into compliance with ease.

UL CERTIFIED & MARKED

SAVES TIME & MONEY

VERSATILE & SIMPLE

AESTHETIC DESIGN

Certified and stamped for use in the US and Canada

Eliminate the cost and downtime of replacing existing doors and/or structures.

Simple to install, non-handed and in-field modifiable to accommodate existing hardware.
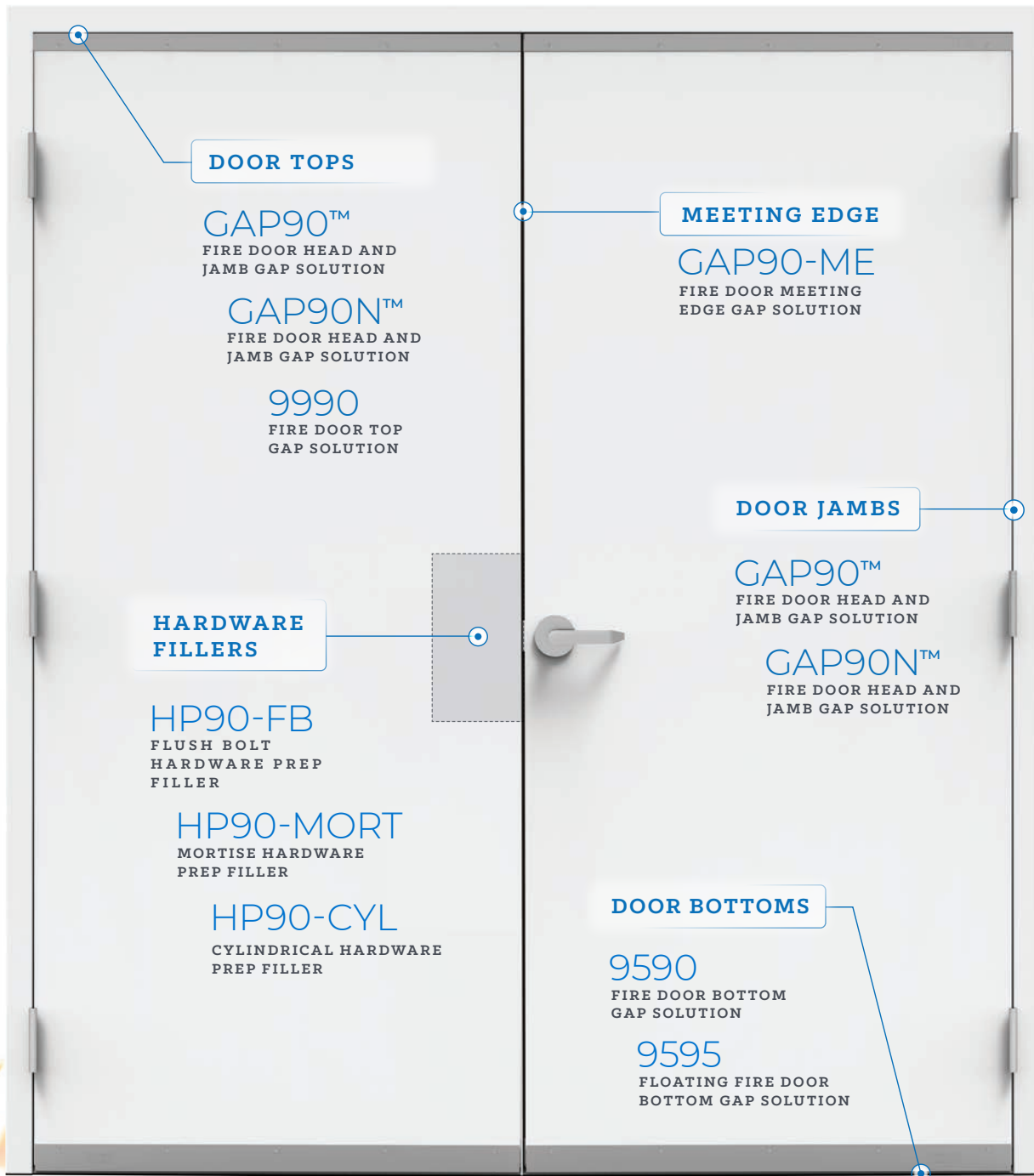
Provides options that allow for concealed installation. See the door, not the hardware.

FIRE DOOR COMPLIANCE MADE EASY!
...AND SMARTER, MORE VERSATILE, LESS VISIBLE, MORE COST-EFFECTIVE, SIMPLER TO INSTALL AND ORDER.

IT IS ALL OF THE THINGS!

GapGuard™ Fire Door Accessories provide you a one-stop, get your facility BACK INTO compliance, solution. Whether you have Excessive Gaps at the Head, Jamb, Meeting Edge and/or Bottom — or want to modify the hardware on an existing door while retaining compliance, we've got a solution to fit your needs.

DOOR TOPS

GAP90™
FIRE DOOR HEAD AND JAMB GAP SOLUTION

GAP90N™
FIRE DOOR HEAD AND JAMB GAP SOLUTION

9990
FIRE DOOR TOP GAP SOLUTION

MEETING EDGE

GAP90-ME
FIRE DOOR MEETING EDGE GAP SOLUTION

DOOR JAMBS

GAP90™
FIRE DOOR HEAD AND JAMB GAP SOLUTION

GAP90N™
FIRE DOOR HEAD AND JAMB GAP SOLUTION

HARDWARE FILLERS

HP90-FB
FLUSH BOLT HARDWARE PREP FILLER

HP90-MORT
MORTISE HARDWARE PREP FILLER

HP90-CYL
CYLINDRICAL HARDWARE PREP FILLER

DOOR BOTTOMS

9590
FIRE DOOR BOTTOM GAP SOLUTION

9595
FLOATING FIRE DOOR BOTTOM GAP SOLUTION

GAP90™

FIRE DOOR HEAD AND JAMB GAP SOLUTION

UL Certified Solution for Fire Doors with Excessive Clearance Between Door and Frame Over $\frac{1}{8}$", **up to** $\frac{5}{16}$".

INSTALLED VIEW

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

90-Minute Rated UL Certified Miscellaneous Fire Door Accessory on UL10B and UL10C Wood or Hollow Metal Fire Doors.

An NGP Strike Shim 9275 or 9225 may also be Required for Proper Latchbolt Engagement.

Doors with Parallel Arm Closers — Use 9990 Fire Door Top Gap Solution.
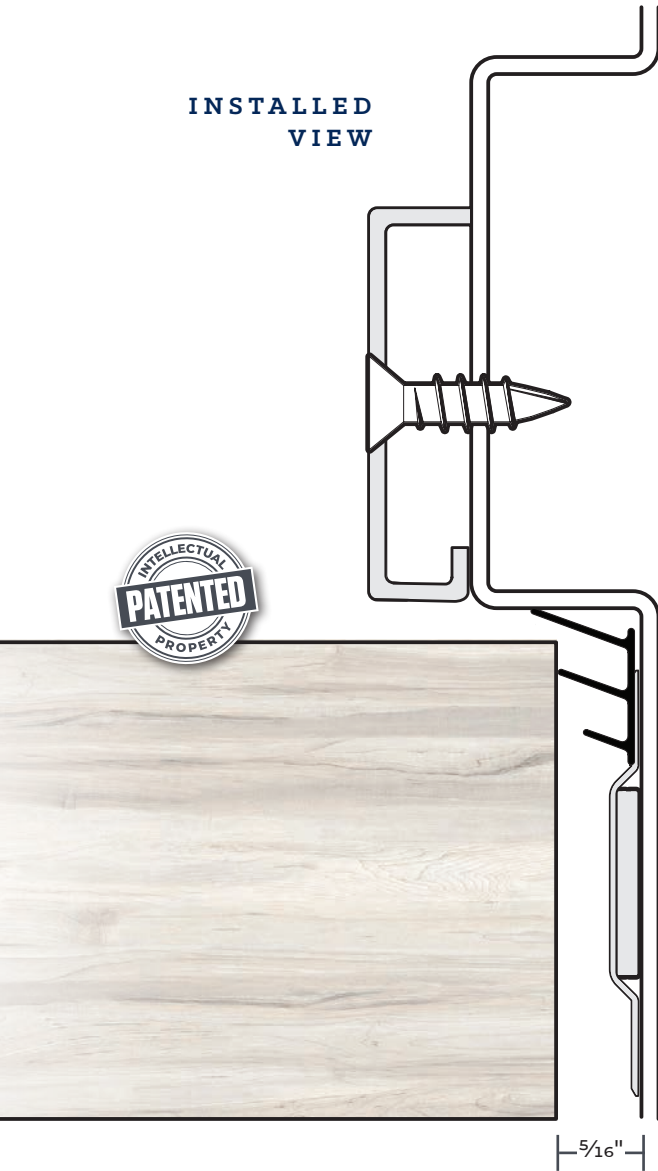
PRODUCT CONSISTS OF:

9945
Steel Stop Extender

- 16-Gauge, Gray Primer Finish
- Furnished with #10 X 1" TEK SMS
- Patent No.: US9,273,510B2
- Embossed with **UL Mark**

5075
Self-Adhesive Silicone Seal

5075B	BROWN
5075CL	CLEAR
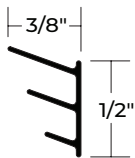
9400
NGP-Edge® Intumescent Seal with PVC Cover

9400	GRAY
9400DKB	BROWN

GAP90™	INCLUDES 9945, 9400, 5075CL
GAP90DKB™	INCLUDES 9945, 9400DKB, 5075B

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

GAP90N™

FIRE DOOR HEAD AND JAMB GAP SOLUTION FOR NARROW SOFFIT

90 MINUTES | 🔥 | **10C**

UL Certified Solution for Fire Doors with Excessive Clearance Between Door and Frame Over $\frac{1}{8}$", up to $\frac{5}{16}$" and a Soffit Measuring $\frac{1}{2}$" to $1\frac{3}{8}$".

UL CERTIFIED FOR USE IN THE US AND CANADA

PRODUCT CONSISTS OF:

1" — $1\frac{7}{16}$"

9945N
Steel Stop Extender

- 16-Gauge, Gray Primer Finish
- Furnished with #10 X 1" TEK SMS
- Patent No.: US9,273,510B2
- Embossed with **UL Mark**

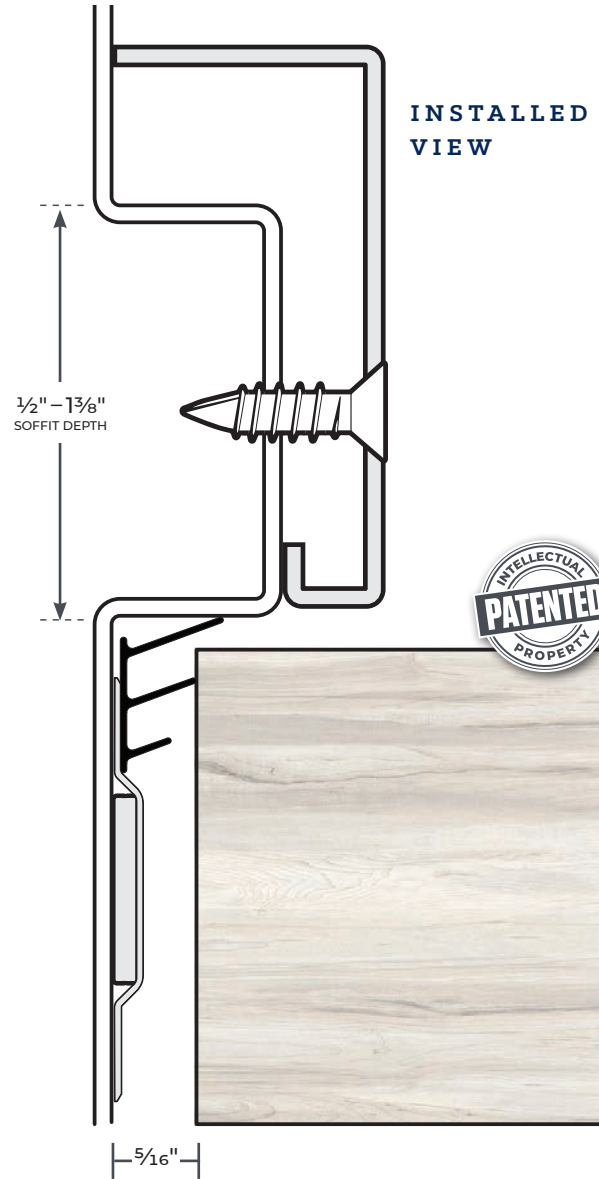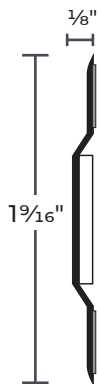### 5075
Self-Adhesive Silicone Seal

3/8" — 1/2"

5075B	BROWN
5075CL	CLEAR

9400
NGP-Edge® Intumescent Seal with PVC Cover

$\frac{1}{8}$" — $1\frac{9}{16}$"

9400	GRAY
9400DKB	BROWN

INSTALLED VIEW

$\frac{1}{2}$" – $1\frac{3}{8}$" SOFFIT DEPTH

$\frac{5}{16}$"

PATENTED — INTELLECTUAL PROPERTY

UL CERTIFIED US CA SAFETY R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

90-Minute Rated UL Certified Miscellaneous Fire Door Accessory on UL10B and UL10C Wood or Hollow Metal Fire Doors.

An NGP Strike Shim 9275 or 9225 may also be Required for Proper Latchbolt Engagement.

Doors with Parallel Arm Closers — Use 9990 Fire Door Top Gap Solution.

GAP90N™	INCLUDES 9945N, 9400, 5075CL
GAP90NDKB™	INCLUDES 9945N, 9400DKB, 5075B

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

Phone: 800-647-7874 | Fax: 800-255-7874 | orders@ngp.com | ngp.com   GAPGUARD™ FIRE DOOR ACCESSORIES   NGP | GAP6

9990
FIRE DOOR TOP GAP SOLUTION

UL CERTIFIED FOR USE IN
THE US AND CANADA

DOOR FRAME HEAD

UP TO ½" DOOR GAP

STOP

**INSTALLED
VIEW**

DOOR FRAME HEAD

⅛"

STOP

FLAT PLATE
Pull Side

**DOOR CAP- L SHAPED
WITH INTUMESCENT**
Push Side

**FINISHED
VIEW WITH
END CAPS
INSTALLED**
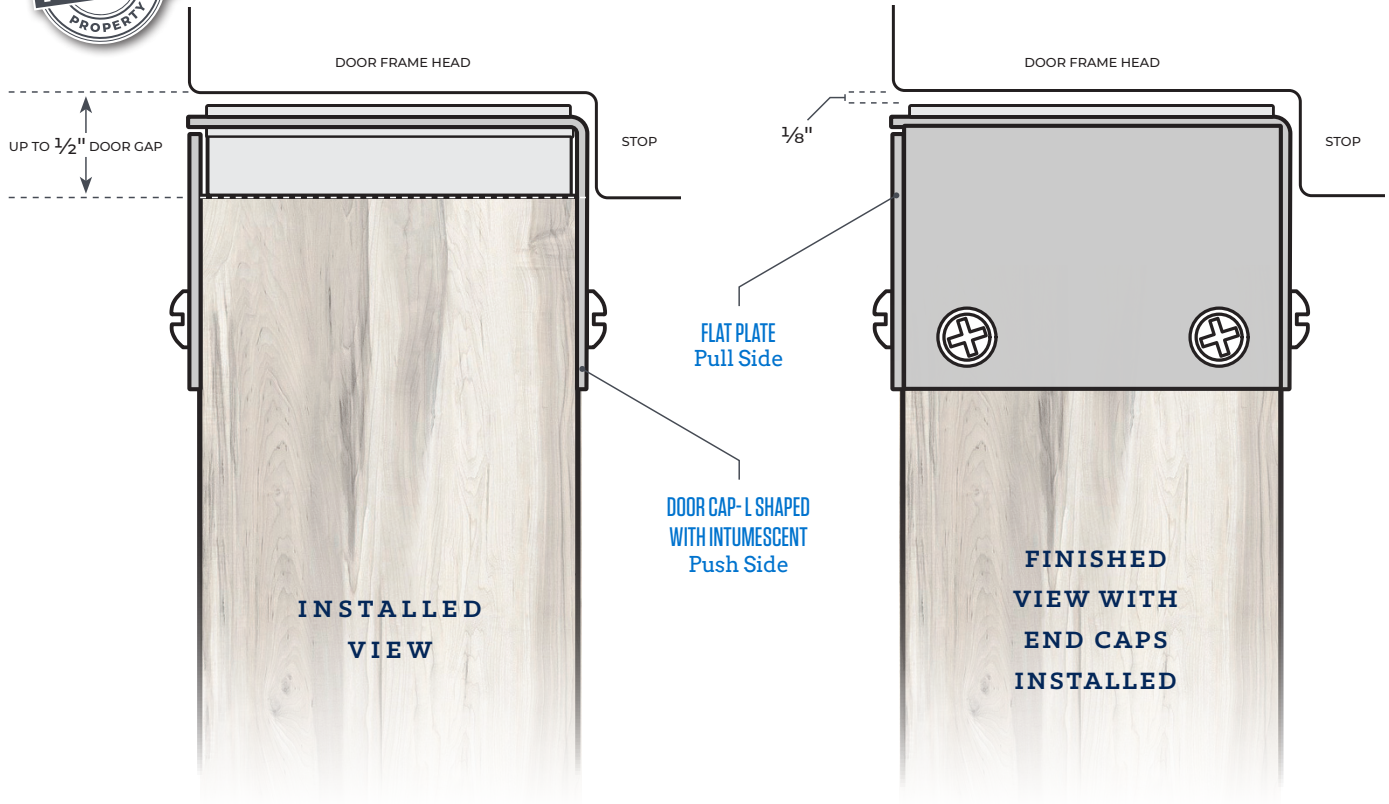
PRODUCT INFORMATION

**UL Certified for Door Top
Gaps — Measuring up to ½".**

- ❯ 90-Minute Rated — for Use on UL10B and UL10C Wood or Hollow Metal Fire Doors
- ❯ Recommended for Doors with Parallel Arm Closers
- ❯ Patent Pending
- ❯ Available in 36" and 48" Lengths
- ❯ Brushed Stainless Steel
- ❯ Non-handed
- ❯ Patent No.: US 11,261,653 B2

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
- ＋ #6 × ¾" Stainless Steel SMS Furnished

UL CERTIFIED · SAFETY US CA R25568

*POSITIVE PRESSURE TESTED
MISCELLANEOUS FIRE DOOR
ACCESSORY*

GAP90-ME

MEETING EDGE GAP SOLUTION

UL Certified Solution for Fire Doors with Excessive Clearance Between the Meeting Edges of a Pair of Doors, up to ³⁄₈".

- ❯ Application Certified on both Hollow Metal and Wood Fire-Rated Doors, up to 90-Minute
- ❯ Patent Pending
- ❯ Non-Handed
- ❯ Certified for use on Doors with Surface/Concealed Vertical Rod Exit Devices or Manual/Automatic Flush Bolts *(see Installation Instructions)*
- ❯ Can be Installed with the Door on the Hinges
- ❯ Can be Field-Modified to Match-Fit Varying Width Gap Along Height of the Door *(see installation instructions)*

PRODUCT CONSISTS OF:

- **+** Formed Metal Edge, 20-Gauge Steel, Embossed With UL Mark
- **+** Powder Coated, Primer Gray
- **+** Hardware Pack
  - #10 × ¾" FHPH SS TEK
  - #10 × 2½" FHPH SS SMS
- **+** GapGuard™ Fire Caulk *(see Installation Instructions)*

UL CERTIFIED SAFETY US CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

**NGP GAPGUARD™ FIRE CAULK REQUIRED**

SPECIAL NOTES:

- *90-Minute Rated UL Certified Miscellaneous Fire Door Accessory on UL10B and UL10C Wood or Hollow Metal Fire Doors.*
- *An NGP Strike Shim 9275 or 9225 may also be Required for Proper Latchbolt Engagement.*
- *Certified for On-site Modifications Around Strike Location.*
- *If Fire Pins are used, it is Recommended to Apply Metal Edge to Door with Fire Pin Receiver, Ensuring Receiver is Flush with Metal Edge.*
- *To Retain UL Certification, the Gap90-ME must be Installed using GapGuard™ Fire Caulk.*
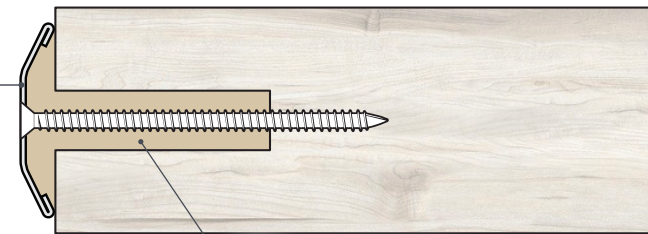
UL CERTIFIED FOR USE IN THE US AND CANADA

Formed Metal Edge

½" × 1½" Cylindrical Anchoring Bore Filled With Gapguard™ Fire Caulk *(wood door application only)*

Formed Metal Edge

PATENT PENDING
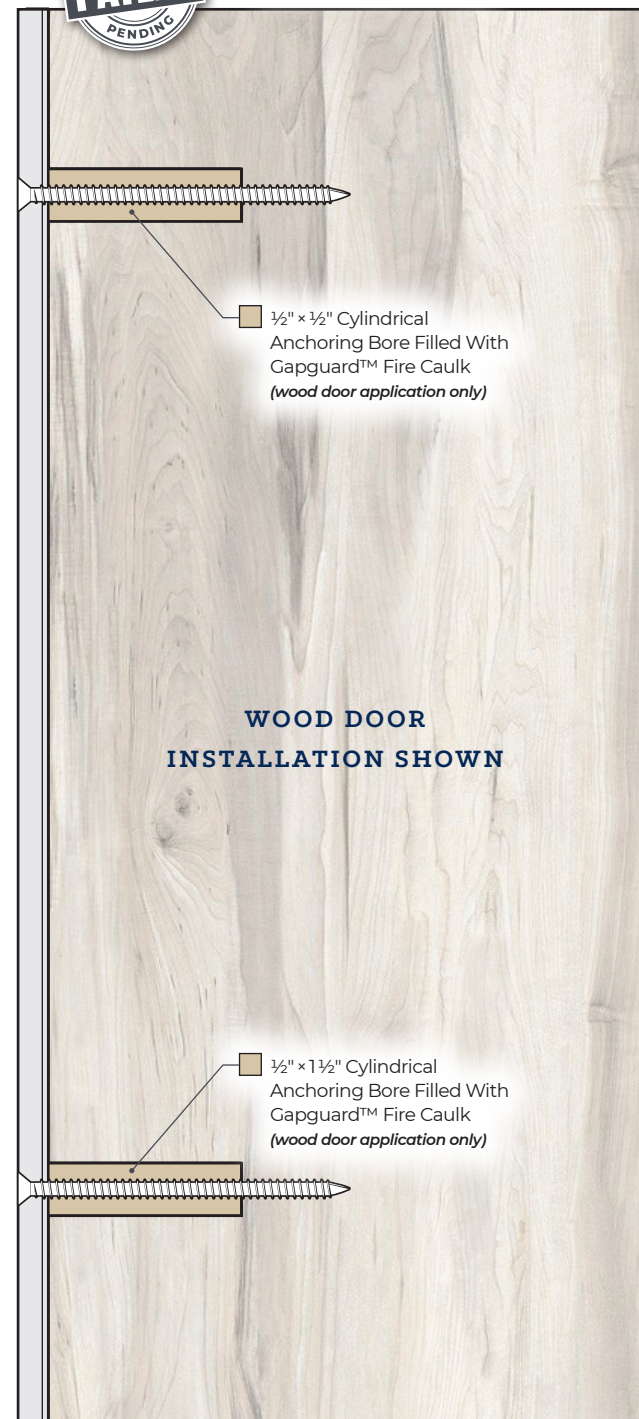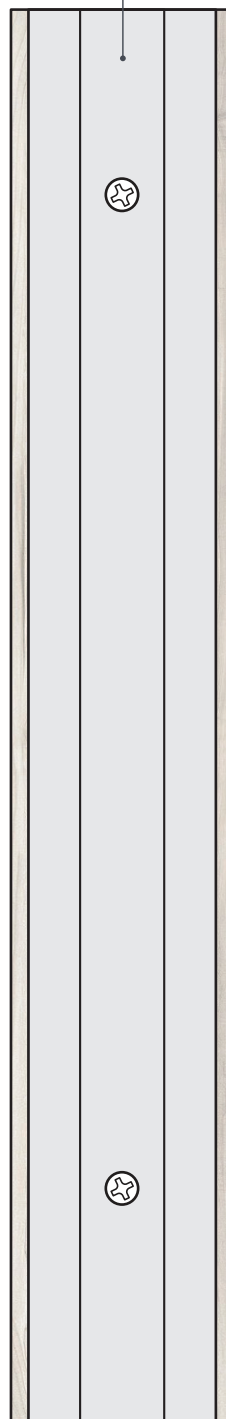
½" × ½" Cylindrical Anchoring Bore Filled With Gapguard™ Fire Caulk *(wood door application only)*
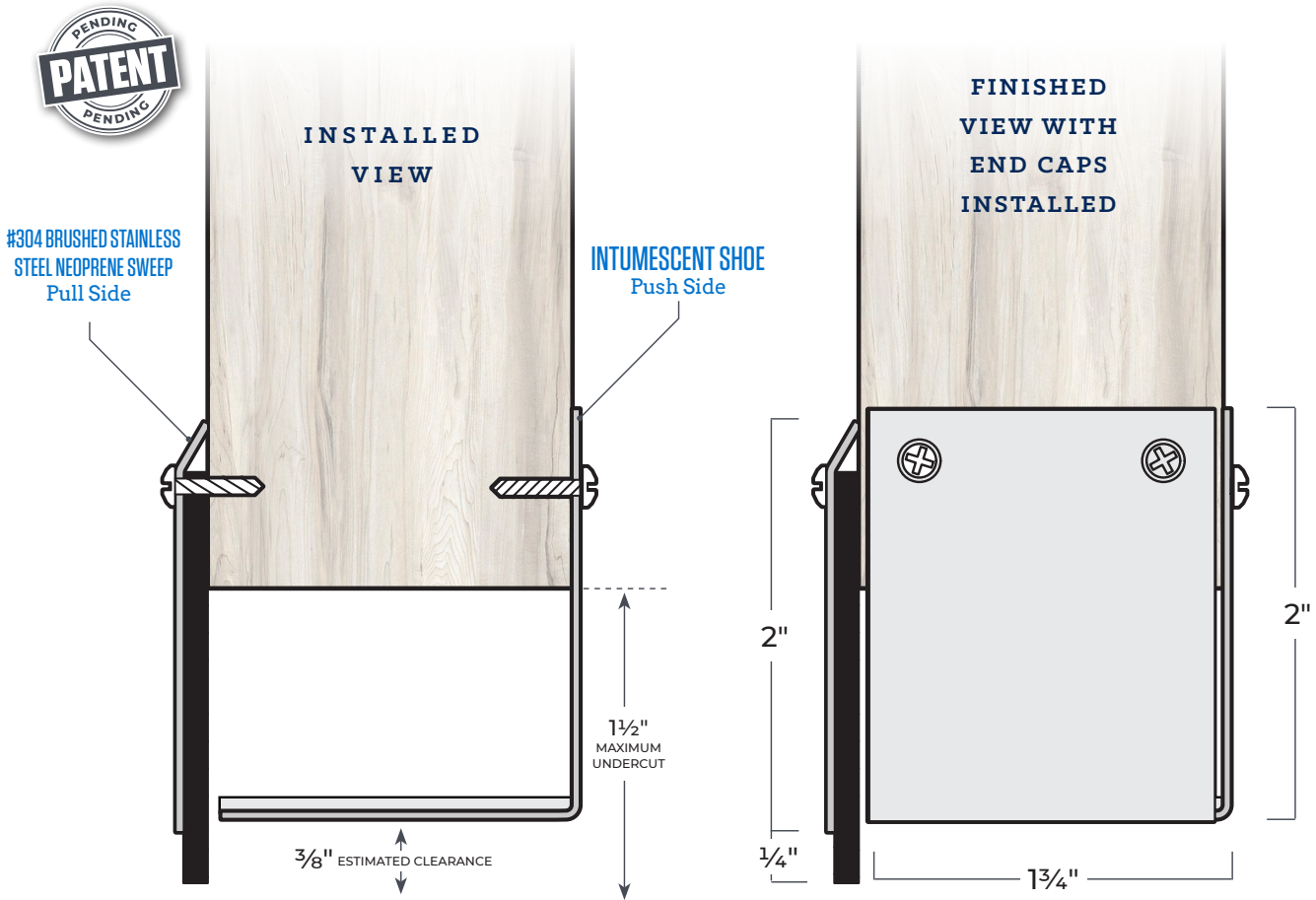
WOOD DOOR INSTALLATION SHOWN

½" × 1½" Cylindrical Anchoring Bore Filled With Gapguard™ Fire Caulk *(wood door application only)*

9590
DOOR BOTTOM GAP SOLUTION

PATENT PENDING

INSTALLED VIEW

#304 BRUSHED STAINLESS STEEL NEOPRENE SWEEP
Pull Side

INTUMESCENT SHOE
Push Side

1½" MAXIMUM UNDERCUT

⅜" ESTIMATED CLEARANCE

FINISHED VIEW WITH END CAPS INSTALLED

2"

2"

¼"

1¾"

PRODUCT INFORMATION

UL Certified for Door Bottom Gaps — Measuring up to 1½".

- Restricts the Passage of Smoke
- 90-Minute Rated — for Use on UL10B and UL10C Wood or Hollow Metal Fire Doors
- Patent Pending
- Available in 36" and 48" Lengths
- Non-Handed

UL CERTIFIED SAFETY IIS CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

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
+ #6 × ¾" Stainless Steel SMS Furnished
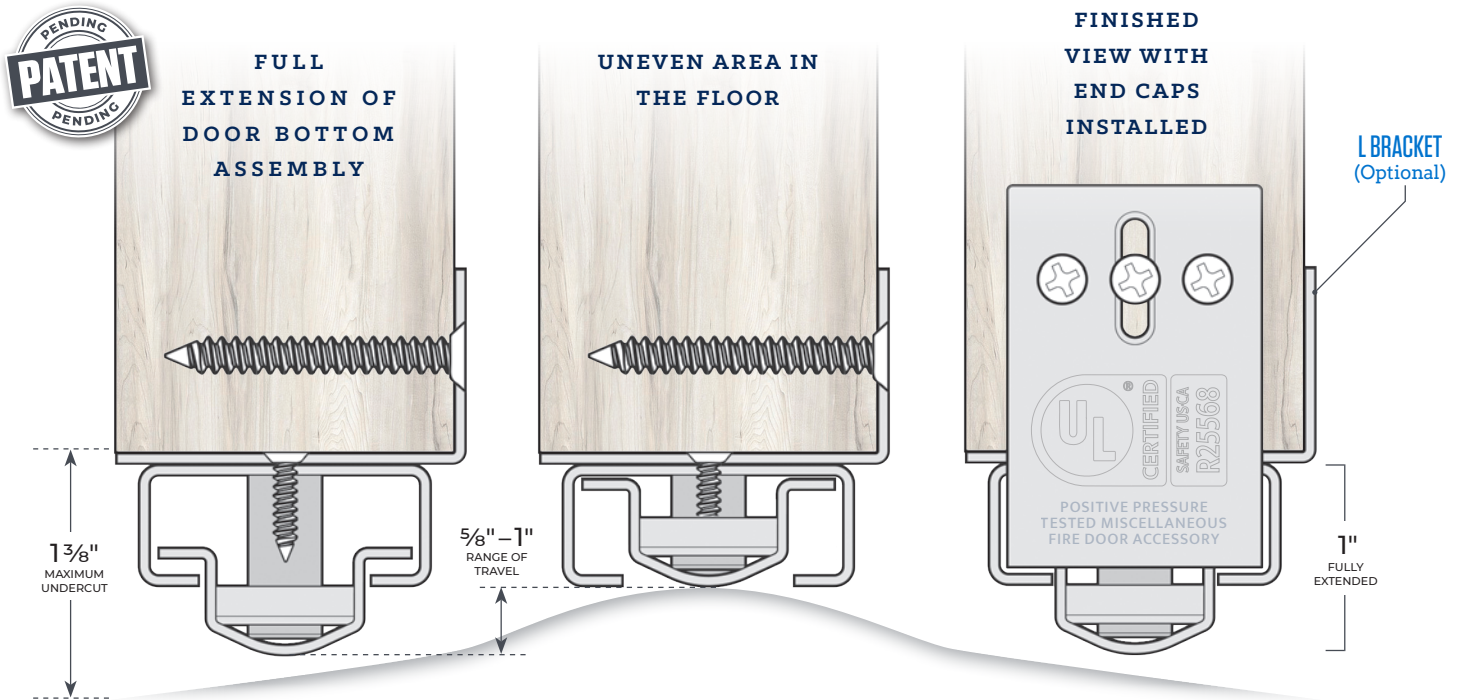
Brushed stainless steel Neoprene is black

9595DKB
DOOR BOTTOM GAP SOLUTION

UL CERTIFIED FOR USE IN
THE US AND CANADA

PATENT PENDING PENDING

FULL EXTENSION OF DOOR BOTTOM ASSEMBLY

UNEVEN AREA IN THE FLOOR

FINISHED VIEW WITH END CAPS INSTALLED

L BRACKET
(Optional)

1³⁄₈"
MAXIMUM
UNDERCUT

⁵⁄₈"–1"
RANGE OF
TRAVEL

UL CERTIFIED SAFETY USCA R25568

POSITIVE PRESSURE
TESTED MISCELLANEOUS
FIRE DOOR ACCESSORY

1"
FULLY
EXTENDED

PRODUCT INFORMATION

UL Certified Solution for Fire Doors With Excessive Clearance Between the Bottom of the Door and Finished Floor, up to 1³⁄₈".

- Application Certified on both Hollow Metal and Wood Fire-Rated Doors, up to 90-Minutes
- Patent Pending
- Non-Handed
- L-bracket Allows Installation while Door Remains on Hinges
- Field Trim to Fit: up to 1½" per side, 3" Total
- Designed to Travel Over Uneven Floors, with a Range of ³⁄₈"
- May be Fastened to the Underside of the Door's Bottom Rail to Minimize Visibility.
- End Caps Set Height Position and Provide a Finished Look
- Sizes: 36", 42" and 48"

PRODUCT CONSISTS OF:

- L-Bracket, 16-Gauge Steel, Embossed with UL Mark
- Door Bottom Assembly, 18-Gauge Steel
- End Caps, 18-Gauge Steel, Embossed With UL Mark
- Hardware Pack
  - #10×1½" PHPH SS SMS (DKB)
  - #8-32×1¾" PHP SS Thru-Bolt (DKB)
  - #6×³⁄₈" SS TEK
  - #10×2" PHPH SS SMS
  - #6×¾" FHPH SS SMS (DKB)

Powder Coated, DKB

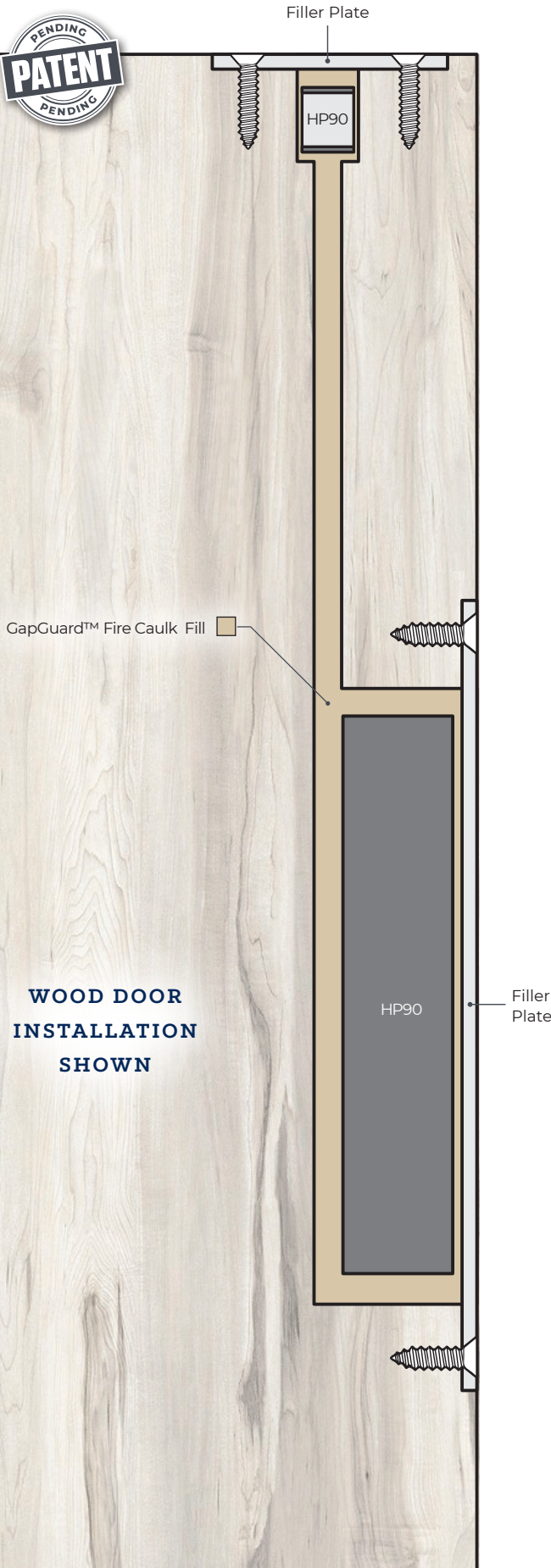UL CERTIFIED SAFETY US CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

HP90-FB

FLUSH BOLT HARDWARE PREP FILLER

90 MINUTES

PATENT PENDING

Filler Plate

HP90

GapGuard™ Fire Caulk Fill

**WOOD DOOR
INSTALLATION
SHOWN**

HP90

Filler Plate

UL Certified Solution for Fire Doors When Either Removing Existing Hardware and/or Using a New Hardware Type Over Existing Hardware Prep's.

PRODUCT INFORMATION

❱ Application Certified On Both Hollow Metal And Wood Fire-Rated Doors Up To 90-Minutes

❱ Patent Pending

❱ Certified for Filling Manual or Automatic Flush Bolt Cavities

PRODUCT CONSISTS OF:

+ HP90 – 2" × 6" Rectangular Fire-Rated Panel

+ HP90 – 0.5 Cylindrical Fire-Rated Panel

+ Steel Filler Plates: *(Powder Coated Primer Gray, Embossed With UL Mark)*

  - HP90-FBE6750, Edge Filler Plate
  - HP90-FBE8500, Edge Filler Plate
  - HP90-FBL2000, Latch Bolt Filler Plate
  - HP90-FBL2500, Latch Bolt Filler Plate
  - HP90-FBL3875, Latch Bolt Filler Plate
  - HP90-SF2250, Strike Filler Plate

+ Hardware Pack

  - #10-32 × 1-¾" FHPH SS machine screw
  - #8 × ¾" FHPH SS combo screw
  - #12 × 1" FHPH SS combo screw
  - #8 × ¾" FHPH SS SMS
  - #12 × 1" FHPH SS SMS

+ GapGuard™ Fire Caulk
  (see Installation Instructions)

UL CERTIFIED SAFETY US CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

NGP GAPGUARD™ FIRE CAULK REQUIRED

SPECIAL NOTES:

· *90-Minute Rated UL Certified Miscellaneous Fire Door Accessory on UL10B and UL10C Wood or Hollow Metal Fire Doors*

· *To Retain UL Certification, the HP90-MORT must be Installed using GapGuard™ Fire Caulk*

HP90-MORT

MORTISE HARDWARE PREP FILLER

UL Certified Solution for Fire Doors When Either Removing Existing Hardware and/or Using a New Hardware Type Over Existing Hardware Prep's.

PRODUCT INFORMATION

- ❯ Application Certified on Both Hollow Metal and Wood Fire-Rated Doors – up to 90-Minute
- ❯ Patent Pending
- ❯ Certified for Filling Mortise Lockset Cavities

PRODUCT CONSISTS OF:

- **+** HP90 – 4"×6" Fire-Rated Panel
- **+** Steel Filler Plates: *(Powder Coated Primer Gray, Embossed With UL Mark)*
  - - HP90-MEF1258, Edge Filler Plate
  - - HP90-SF4875, Strike Filler Plate
- **+** Hardware Pack
  - - #10-32×1-¾" FHPH SS machine screw
  - - #8×¾" FHPH SS combo screw
  - - #12×1" FHPH SS combo screw
  - - #8×¾" FHPH SS SMS
  - - #12×1" FHPH SS SMS
- **+** GapGuard™ Fire Caulk
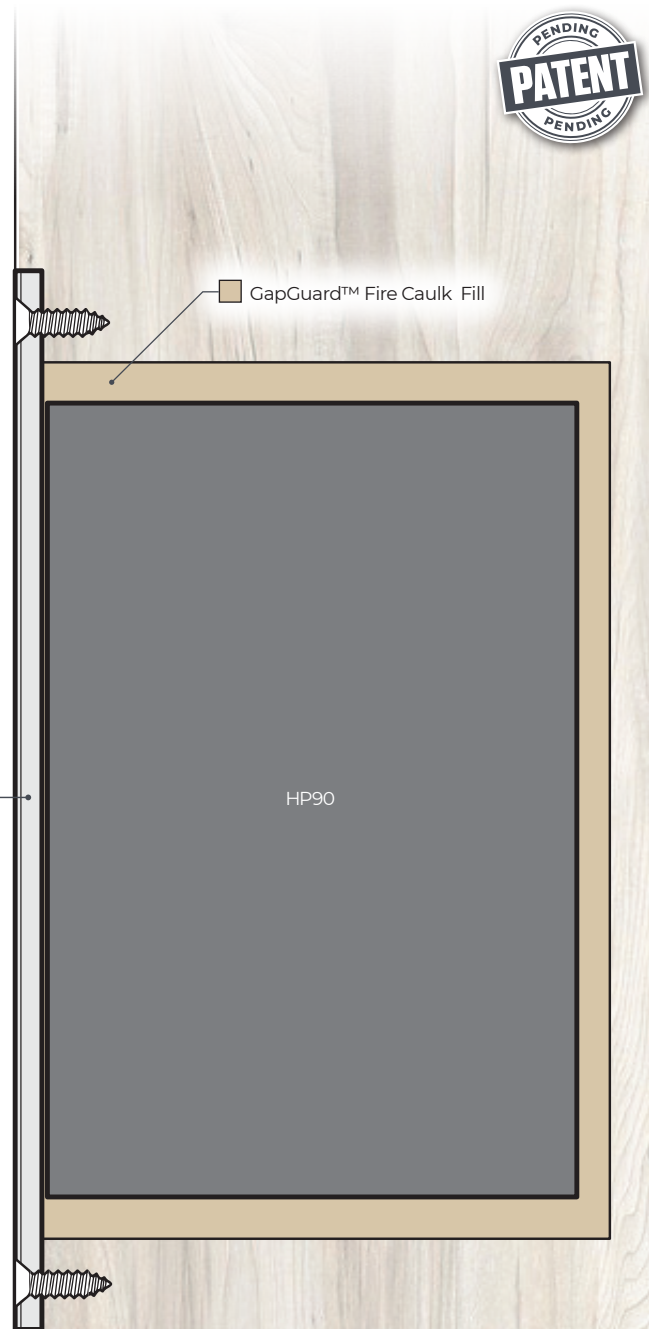 *(see Installation Instructions)*

UL CERTIFIED | SAFETY IES CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

NGP GAPGUARD™ FIRE CAULK REQUIRED

SPECIAL NOTES:

· *90-Minute Rated UL Certified Miscellaneous Fire Door Accessory on UL10B and UL10C Wood or Hollow Metal Fire Doors*

· *To Retain UL Certification, the HP90-MORT must be Installed using GapGuard™ Fire Caulk*

GapGuard™ Fire Caulk Fill

Filler Plate

HP90

WOOD DOOR INSTALLATION SHOWN

PATENT PENDING PENDING

HP90-CYL
CYLINDRICAL HARDWARE PREP FILLER

90 MINUTES | 🔥 | 10C

UL CERTIFIED FOR USE IN
THE US AND CANADA

UL Certified Solution for Fire Doors When Either Removing Existing Hardware and/or Using a New Hardware Type Over Existing Hardware Prep's.

- ❯ Application Certified on both Hollow Metal and Wood Fire-Rated Doors, up to 90 Minutes
- ❯ Patent Pending
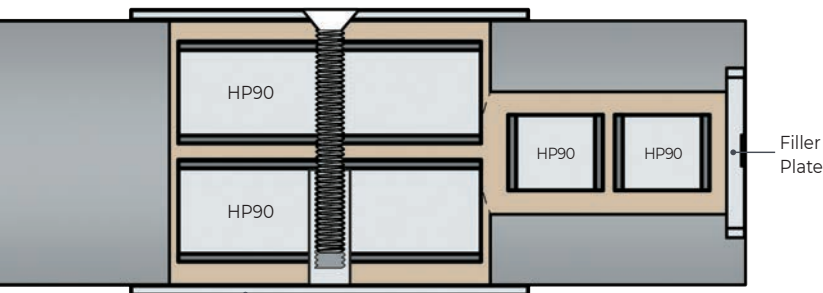- ❯ Certified for Filling Cylindrical Lockset Cavities

PATENT PENDING

PRODUCT CONSISTS OF:

+ Fire-Rated Panels:
  - HP90 – 2.0
  - HP90 – 1.0
  - HP90 – 0.5
+ Steel Filler Plates, Powder Coated, Primer Gray, Embossed with UL Mark
  - HP90-RDCP, Filler Plate
  - HP90-CEF1000, Edge Filler Plate
  - HP90-SF2750, Strike Filler Plate
  - HP90-SF4875, Strike Filler Plate
+ Hardware Pack
  - #10-32×1¾" FHPH SS Machine Screw
  - #8×¾" FHPH SS Combo Screw
  - #12×1" FHPH SS Combo Screw
  - #8×¾" FHPH SS SMS
  - #12×1" FHPH SS SMS
+ GapGuard™ Fire Caulk
  (see Installation Instructions)

UL® CERTIFIED US CA R25568 *POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY*

WOOD DOOR: INSTALLED VIEW

HP90 HP90 HP90 HP90

Filler Plate

■ GapGuard™ Fire Caulk Fill

NGP GAPGUARD FIRE CAULK REQUIRED

SPECIAL NOTES:

· 90-Minute Rated UL Certified Miscellaneous Fire Door Accessory on UL10B and UL10C Wood or Hollow Metal Fire Doors

· To Retain UL Certification, the HP90-MORT must be Installed using GapGuard™ Fire Caulk

STEEL DOOR: INSTALLED VIEW

HP90 HP90 HP90 HP90 HP90

Filler Plate

Filler Plate

■ GapGuard™ Fire Caulk Fill

HP90

HARDWARE PREP FILLERS

UL CERTIFIED FOR USE IN
THE US AND CANADA

UL Certified Solution for Fire Doors When Either Removing Existing Hardware and/or Using a New Hardware Type Over Existing Hardware Prep's.

- Application Certified on both Hollow Metal and Wood Fire-Rated Doors, up to 90 Minutes
- Certified for Use in Combination With Gap Guard™ Fire Caulk to Fill Thru-Holes Between ½" Diameter and 2 ⅛" Diameter

PART NO.	DESCRIPTION
HP90 - 0.5	½" Diameter Hardware Prep Filler (10 Pack)
HP90 - 1.0	1" Diameter Hardware Prep Filler (10 Pack)
HP90 - 1.5	1½" Diameter Hardware Prep Filler (10 Pack)
HP90 - 2.0	2" Diameter Hardware Prep Filler (10 Pack)

UL CERTIFIED SAFETY US-CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

GAPGUARD™ FIRE CAULK

UL CERTIFIED FOR USE IN
THE US AND CANADA

UL Certified Solution for Fire Doors and Frames to Seal Thru-Holes as well as in Combination With Other Hardware Prep Filler Solutions.

PRODUCT INFORMATION

- Application Certified on both Hollow Metal and Wood Fire-Rated Doors, up to 90-Minutes
- Can be Used to Fill up to a ½" Diameter Thru-Hole
- Fully Cured in 24 Hours
- Can be Sanded and Painted after Full Cure
- Indoor Use Only
- Shelf Life is 12 Months
- 10.3 fl. oz. Cartridge
- 10 Tubes per Box

Color: Tan

UL CERTIFIED SAFETY US-CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

GAPGUARD™ STRIKES

90 MINUTE STRIKE SHIMS

UL Certified Miscellaneous GAPGUARD™ for Excessive Door and Frame Clearances, Measuring up to 5/16".

9275 - Fits 4⅞" 'ASA' Strike Plate

9225 - Fits 2¾" '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

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

UL CERTIFIED FOR USE IN THE US AND CANADA

4⅞"
3 5⁄16"
2¾"
1¼"
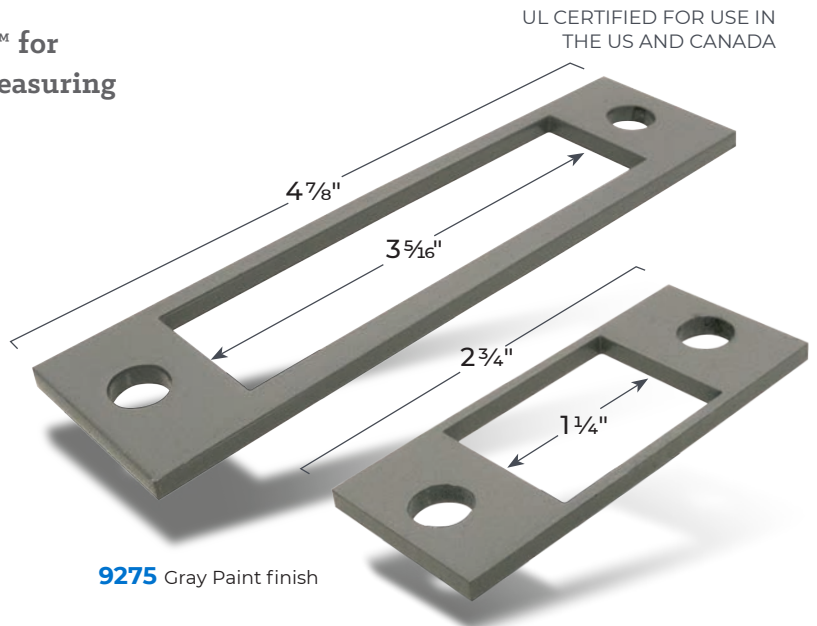
9275 Gray Paint finish

9225 Gray, Paint finish

GAPGUARD™ THRU-BOLTS

90 MINUTE THRU-BOLTS

- Fits 1¾" to 2" Thick Doors
- Zinc-Plated Steel Sleeve with Machine Screws
- Meets Requirements of NFPA 80 for Use on Fire Doors
- Use to Fill Holes in Wood or Steel Fire Doors to Protect Label Compliance
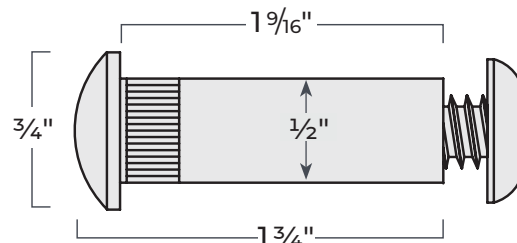- Available in Boxes of Twenty

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

UL CERTIFIED FOR USE IN THE US AND CANADA

1 9⁄16"
9⁄16"
3⁄8"
1¾"

FDTB ⅜"
Thread Size ¼-20

1 9⁄16"
¾"
½"
1¾"
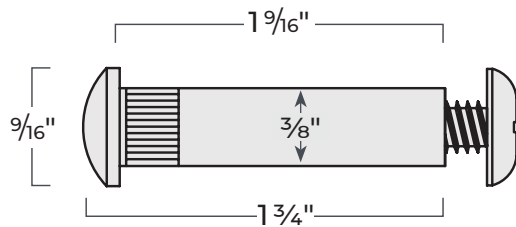
FDTB ½"
Thread Size 5⁄16-18

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 3½" 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

3½" BREAK-OFF SECTION

42" TOTAL LENGTH

3⁄16"

1⁄16"

CROSS SECTION DIMENSIONS

UL CERTIFIED SAFETY US-CA R25568
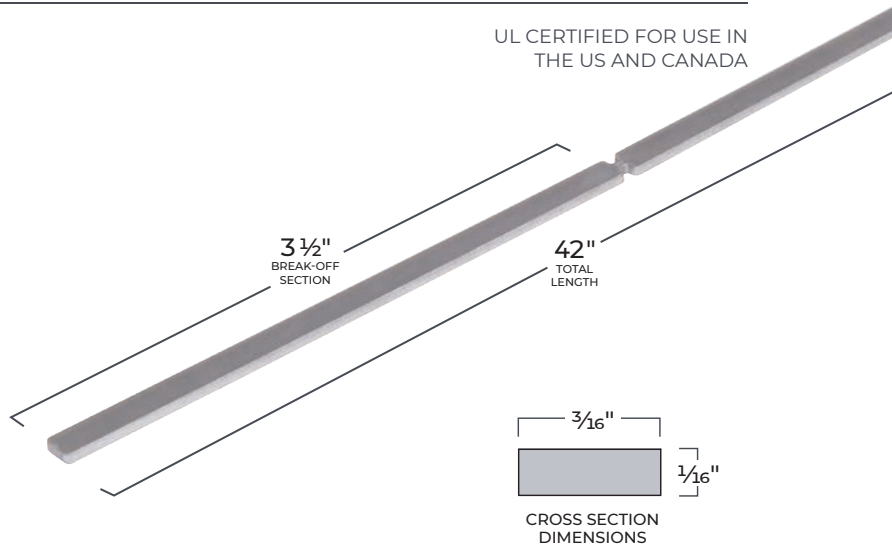
POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

9945EC & 9945NEC
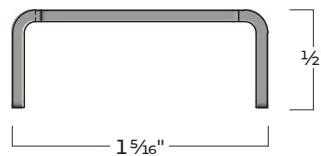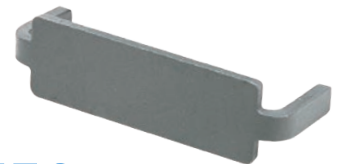### END CAPS

For Use on GAP90 and GAP90N Steel Stop Extender Components 9945 and 9945N.

- Use to Cap the Exposed Open End of the Steel Stop Extender When Cut at Rim Panic Strike or Other Hardware
- Sold in 10 Packs
- Sold Flat, Tabs Must be Formed Prior to Use
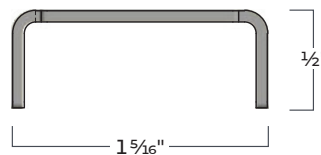
UL CERTIFIED SAFETY US-CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

½"

1 5⁄16"

9945EC

½"

1 5⁄16"

9945NEC

NOTES

A SMALL GAP IS A BIG DEAL

UNDERSTANDING THE PROBLEM

A Fire Door "Gap" is the space between the door and the door frame head, jamb or floor. When this space exceeds tolerances (defined by NFPA 80 and enforced by The Joint Commission), it is considered "excessive". The problem with an excessive gap is that it can allow the smoke and/or fire to pass through the opening and jeopardizes the integrity of the door. An excessive gap leads to failed code inspections that will cost your organization thousands of dollars in penalties.

Most importantly, they cause a fire door to fail, putting lives at risk!

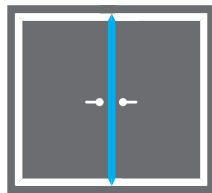## IDENTIFY "EXCESSIVE" GAPS

(As specified by NFPA 80, 2010)

AT THE DOOR HEAD, JAMB AND MEETING EDGE

DOOR HEAD   DOOR JAMB   MEETING EDGE

HOLLOW METAL DOORS

FIRE-RATED WOOD DOORS

⅛" ± ¹⁄₁₆"

UP TO ⅛"

AT THE DOOR BOTTOM

DOOR BOTTOM

WOOD & METAL DOORS

¾"

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