NGP

HP90
Hardware Prep Fillers

PRODUCT CUT SHEET

PROJECT:

SUBMITTED BY:

DATE:

NOTES:

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-Minute
- Patent Pending
- Certified for Use in Combination With Gap Guard™ Fire Caulk to Fill Thru-Holes Between ½" Diameter and 2⅛" Diameter
- GapGuard™ Fire Caulk *(Sold Separately, See Installation Instructions)*

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)

GAPGUARD™
HP90-1.0
UL CERTIFIED FOR 90-MINUTE FIRE-RATED DOOR OPENINGS

HP90-0.5
UL CERTIFIED FOR 90-MINUTE FIRE-RATED DOOR OPENINGS

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-CYL must be installed using GapGuard™ Fire Caulk*

NGP-GAP-HP90-HDW-PCS-0621-A

ngp.com
1-800-NGP-RUSH

HP90

Hardware Prep Fillers
HP90-0.5, HP90-1.0, HP90-1.5, HP90-2.0, HP90-RDCP, HP90-CYL

INSTALLATION INSTRUCTION

HP90-CYL Installation On A Wood Door

The HP90 is designed as a hardware prep filler system for use as a filler for through-holes, or when either removing existing hardware and/or using a new hardware type over existing hardware prep's, such as cylindrical and mortise locksets and flush bolts. The HP90 system includes a fire-rated panel, GapGuard™ Fire Caulk and filler plates as necessary.

SPECIAL NOTE
To retain UL Certification, HP90-must be installed using GapGuard™ Fire Caulk.

Installing HP90 for Through-Holes in Wood Doors:

1. Ensure the hole or cutout is clean and free from debris.
2. Determine the correct size of cylindrical HP90 fire-rated panel to use – the clearance between the cylindrical HP90 fire-rated panel and the cutout cannot exceed ¼" per side. If necessary, the cylindrical HP90 fire-rated panel can be machined to size using common wood working tools.
3. Install two cylindrical HP90 fire-rated panels into the opening, with GapGuard™ Fire Caulk in-between the two cylindrical HP90 fire-rated panels. With the cylindrical HP90 fire-rated panel in the opening, apply GapGuard™ Fire Caulk around the entire perimeter of the cutout, on both sides of the cutout. The GapGuard™ Fire Caulk should fill any gaps between the door and the cylindrical HP90 fire-rated panel.
4. If desired, or 3mm thick high-density fiberboard or equivalent door face material, can be installed at the outermost edge of the cutout to provide a flush transition with the face of the door. Steel face plates can also be used as optional surface treatment, but are not required on wood doors. If steel face plates are used, a hole will need to be drilled through the cylindrical HP90 fire-rated panel in the center of the panel to accommodate the face plate and hardware.
5. If GapGuard™ Fire Caulk is exposed at the surface, immediately clean from surface, and then allow 24 hours to cure prior to sanding, painting, or additional aesthetics.

Installing HP90 for Through-Holes in Steel (Hollow Metal) Doors:

1. Ensure the hole or cutout is clean and free from debris.
2. Determine the correct size of cylindrical HP90 fire-rated panel to use – the clearance between the cylindrical HP90 fire-rated panel and the cutout cannot exceed ¼" per side. If necessary, the cylindrical HP90 fire-rated panel can be machined to size using common wood working tools.
3. For steel doors, HP90-RDCP, must be used in addition to the cylindrical HP90 fire-rated panels. A hole will need to be drilled through the cylindrical HP90 fire-rated panel in the center of the panel to accommodate the HP90-RDCP and hardware. Using the HP90-RDCP, install two cylindrical HP90 fire-rated panels into the opening, with GapGuard™ Fire Caulk in-between the two HP90 fire-rated panels and between

HP90-CYL Installation On A Hollow Metal Door

Installing HP90 for Cylindrical Locksets in Wood and Steel (Hollow Metal) Doors:

1. Ensure the hole or cutout is clean and free from debris.
2. Use the HP90-CYL KIT – the clearance between the cylindrical HP90 fire-rated panel and the cutout cannot exceed ¼" per side.
3a. For wood doors, install two cylindrical HP90 fire-rated panels into the opening, with GapGuard™ Fire Caulk in-between the two cylindrical HP90 fire-rated panels. With the cylindrical HP90 fire-rated panel in the opening, apply GapGuard™ Fire Caulk around the entire perimeter of the cutout, on both sides of the cutout. The GapGuard™ Fire Caulk should fill any gaps between the door and the cylindrical HP90 fire-rated panel. If desired, 3mm thick high-density fiberboard, or equivalent door face material, can be installed at the outermost edge of the cutout to provide a flush transition with the face of the door. Steel face plates can also be used as optional surface treatment, but are not required on wood doors. If steel face plates are used, a hole will need to be drilled through the HP90 fire-rated panel in the center of the panel to accommodate the face plate and hardware.

3b. For steel doors, the HP90-RDCP must be used in addition to the cylindrical HP90 fire-rated panels. A hole will need to be drilled through the cylindrical HP90 fire-rated panel in the center of the panel to accommodate the HP90-RDCP and hardware. Using the HP90-RDCP, install two cylindrical HP90 fire-rated panels into the opening, with GapGuard™ Fire Caulk in-between the two cylindrical HP90 fire-rated panels and between the HP90-RDCP and first cylindrical HP90 fire-rated panel. Apply GapGuard™ Fire Caulk between the HP90-RDCP and the second HP90 fire-rated panel, and assemble the HP90-RDCP with appropriate hardware. The GapGuard™ Fire Caulk should fill any gaps between the face of the door and the HP90-RDCP.

the HP90-RDCP and the first cylindrical HP90 fire-rated panel. Apply GapGuard™ Fire Caulk between the HP90-RDCP and the second cylindrical HP90 fire-rated panel, and assemble the HP90-RDCP with appropriate hardware.

4. If GapGuard™ Fire Caulk is exposed at the surface, immediately clean from surface, and then allow 24 hours to cure prior to sanding, painting, or additional aesthetics.

4. Install two cylindrical HP90 fire-rated panels into the latch bolt opening, applying Gap Guard™ FIRE CAULK of both sides of the HP90 fire-rated panels in the opening.
5. Install latch filler plate on the door.
6. Install strike filler plate on the frame.
7. If GapGuard™ Fire Caulk is exposed at the surface, immediately clean from surface, and then allow 24 hours to cure prior to sanding, painting, or additional aesthetics.

UL CERTIFIED SAFETY US CA R25568

POSITIVE PRESSURE TESTED MISCELLANEOUS FIRE DOOR ACCESSORY

6.21

NGP GAPGUARD™ FIRE CAULK REQUIRED

SPECIAL NOTE
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