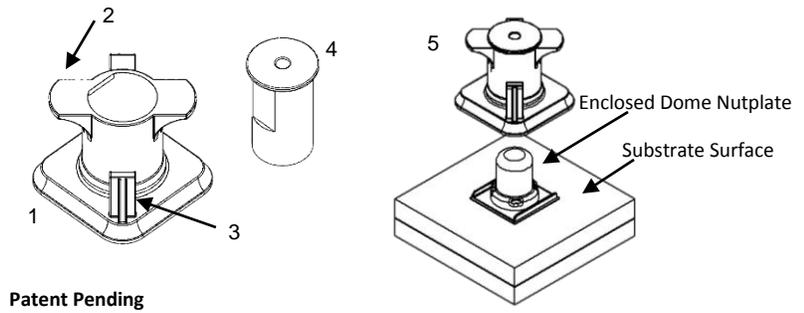


# Installing Gemini Kaps™ Enclosed Dome Nutplate Model

Gemini Kaps are preformed molds used to apply sealant to the back side of nutplate fastening elements. Unlike current fastener sealing methods that consist of time-consuming, operator-dependent hand application, Gemini Kaps ensure the right amount of sealant and placement each time – resulting in time, weight, and cost savings while delivering a higher quality seal.

Gemini Kaps are manufactured from self-releasing polypropylene for easy removal. They have a colored translucent finish for quick selection per fastener diameter and FOD prevention, and are embossed with a part number for dome height selection.

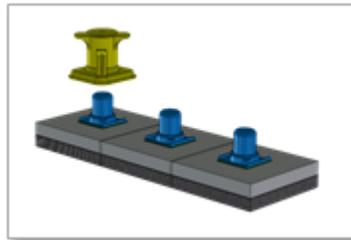


Patent Pending

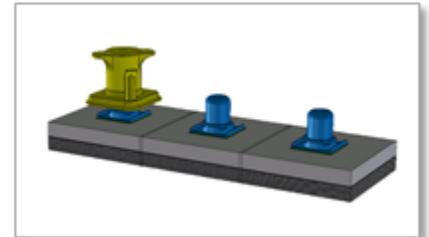
Illustration No.	Description
1	Base
2	Removal Tab
3	Vacuum Breaker Post
4	Plunger
5	Assembled Kap



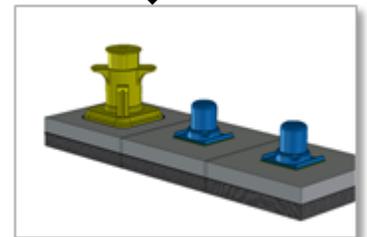
1. Choose Kap according to nutplate size and dome height. Apply sealant to the interior of the Base (1) around the exterior of the Plunger (4).



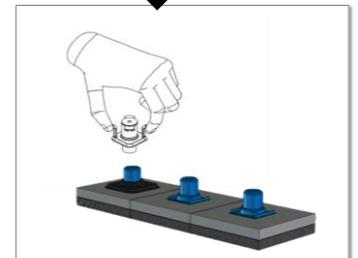
2. Install the Kap (5) by placing the protruding end of the Plunger (4) onto the nutplate dome.



3. Slide the Base (1) down the Plunger (4) until sealant fills the Kap (5) and squeeze out is observed around entire Base (1).



4. Clean off excess sealant from around Base (1).



5. Remove Kap when sealant has cured. To remove, squeeze the posts (3) inward to allow air under the Kap and pull off of nutplate using the removal tabs (2).

## Helpful Hints

- Choose Kap based on color. Colors correspond to bolt sizes – orange (3/16”), yellow (1/4”), green (5/16”), and blue (3/8”).
- Kap can be easily filled using a standard or modified Semco® nozzle by applying sealant around the protruding Plunger.
- Rotating the Kap 360° as it is being filled while applying light pressure to the sealant as it is dispensed will eliminate the potential for air pockets.
- Kaps do not need to be filled beyond the recessed Base area.
- When sliding the Kap base down the Plunger, applying equal amounts of pressure on two sides of the Base will help to achieve the desired sealant profile.

