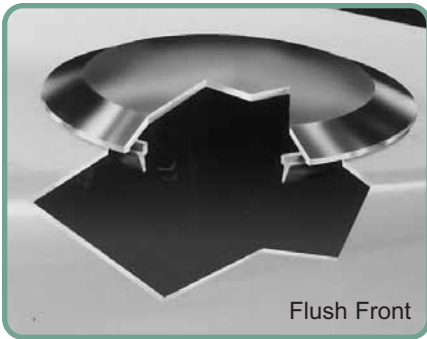
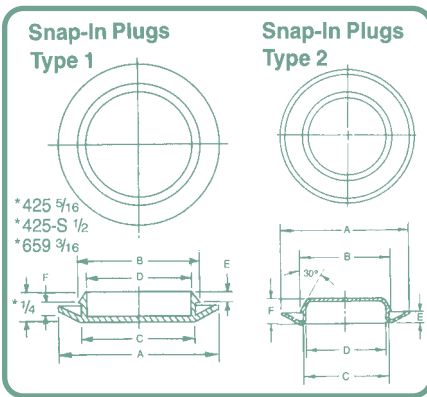




# Snap-In Plugs



Flush Front



## TYPE 1 (Flush – fits 14-26 gauge material)

| Part No.   | Fits Hole Size | A      | B     | C     | D     | E    | F    |
|------------|----------------|--------|-------|-------|-------|------|------|
| NIA 659*   | 3/8            | 3/4    | .410  | .375  | .310  | .090 | .060 |
| NIA 659-1  | 3/8            | 3/4    | .410  | .375  | .305  | .090 | .125 |
| NIA 411    | 1/2            | 7/8    | .540  | .500  | .400  | .110 | .090 |
| NIA 430    | 5/8            | 1-1/16 | .675  | .615  | .500  | .090 | .100 |
| NIA 430-S  | 5/8            | 13/16  | .675  | .625  | .545  | .140 | .080 |
| NIA 437    | 11/16          | 1-1/16 | .710  | .680  | .556  | .094 | .094 |
| NIA 412    | 3/4            | 1      | .790  | .750  | .625  | .100 | .090 |
| NIA 438    | 7/8            | 1-5/32 | .910  | .875  | .750  | .100 | .090 |
| NIA 413    | 1              | 1-7/16 | 1.070 | 1.010 | .875  | .110 | .094 |
| NIA 465    | 1-3/32         | 1-5/16 | 1.150 | 1.090 | 1.000 | .125 | .080 |
| NIA 457    | 1-3/16         | 1-9/16 | 1.240 | 1.200 | 1.050 | .100 | .100 |
| NIA 414    | 1-1/4          | 1-5/8  | 1.290 | 1.250 | 1.125 | .110 | .090 |
| NIA 415    | 1-1/2          | 1-7/8  | 1.540 | 1.500 | 1.400 | .110 | .090 |
| NIA 416    | 1-3/4          | 2-1/8  | 1.790 | 1.750 | 1.620 | .105 | .094 |
| NIA 417    | 2              | 2-7/16 | 2.080 | 2.020 | 1.875 | .100 | .094 |
| NIA 419    | 2-1/2          | 3      | 2.580 | 2.520 | 2.375 | .100 | .094 |
| NIA 472    | 2-5/8          | 3-1/8  | 2.675 | 2.645 | 2.520 | .100 | .094 |
| NIA 421    | 3              | 3-3/8  | 3.060 | 3.000 | 2.850 | .110 | .090 |
| NIA 425*   | 4              | 4-1/2  | 4.100 | 4.020 | 3.900 | .150 | .080 |
| NIA 425-S* | 4              | 4-1/2  | 4.100 | 4.020 | 3.900 | .090 | .340 |

**Type 1:** Flush front.

**Type 2:** Recessed front.

Snap-In Plugs are tough, flexible “finishing” plugs used extensively in all sheet metal work to seal access holes. Insertion is a snap. Thanks to an internal bead, they hold on tight when the handling gets tough.

Snap-In Plugs are used by auto rustproofers, on refrigeration units, water heaters, steel doors, paint cans, lawn mowers—even piggy banks!

These can be hot stamped with your logo to provide a unique and attractive solution for product identification. Call us for a quote on hot stamping.

## TYPE 2 (Recessed)

| Part No.  | Fits Hole Size | A      | B     | C     | D     | E    | F    |
|-----------|----------------|--------|-------|-------|-------|------|------|
| NIA 411-2 | 1/2            | 7/8    | .538  | .500  | .430  | .125 | .285 |
| NIA 412-2 | 3/4            | 1-5/32 | .800  | .750  | .660  | .170 | .360 |
| NIA 438-2 | 7/8            | 1-1/4  | .915  | .875  | .795  | .155 | .350 |
| NIA 413-2 | 1              | 1-3/8  | 1.050 | 1.000 | .930  | .160 | .350 |
| NIA 465-2 | 1-3/32         | 1-7/16 | 1.125 | 1.090 | 1.000 | .160 | .350 |
| NIA 414-2 | 1-1/4          | 1-5/8  | 1.308 | 1.250 | 1.170 | .140 | .350 |
| NIA 415-2 | 1-1/2          | 1-7/8  | 1.550 | 1.500 | 1.420 | .150 | .370 |
| NIA 418-2 | 1-5/8          | 2      | 1.675 | 1.625 | 1.540 | .160 | .350 |
| NIA 416-2 | 1-3/4          | 2-1/8  | 1.800 | 1.750 | 1.670 | .160 | .350 |
| NIA 417-2 | 2              | 2-3/8  | 2.050 | 2.000 | 1.910 | .180 | .360 |
| NIA 419-2 | 2-1/2          | 3      | 2.570 | 2.500 | 2.400 | .160 | .380 |
| NIA 421-2 | 3              | 3-1/2  | 3.060 | 3.000 | 2.910 | .190 | .410 |

**Minimums available on request.**

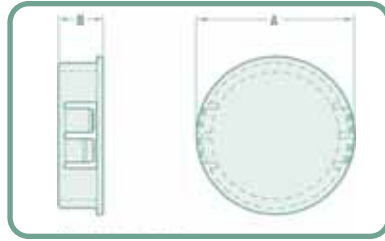
Black Low Density Polyethylene.

Tolerances on all decimal dimensions are ± .010 per inch (example: 2.500 ± .010 per inch = .025).  
Tolerances for fractional dimensions are ± 1/32" per inch.

Heat distortion temperatures are as follows:  
Low Density Polyethylene: 100-121°F (66 P.S.I.)

Medium Density Polyethylene: 120-165°F (66 P.S.I.)  
High Density Polyethylene: 140-180°F (66 P.S.I.)

## Knock-Out Seals



These nylon electrical knock-out seals are moulded in gray colour to resemble galvanized steel and lock firmly in boxes up to 1/4". They install quickly with fingertip pressure (no tools required).

| Part No. | Trade Size | Mounting Hole Diameter | A<br>Head Diameter | B<br>Overall Height | Max. Chassis Thickness |
|----------|------------|------------------------|--------------------|---------------------|------------------------|
| KOS1/2   | 1/2        | .875                   | 1.015              | .453                | .125                   |
| KOS3/4   | 3/4        | 1.093                  | 1.218              | .453                | .125                   |
| KOS1     | 1          | 1.375                  | 1.500              | .453                | .125                   |
| KOS1-1/4 | 1-1/4      | 1.750                  | 1.906              | .453                | .125                   |
| KOS1-1/2 | 1-1/2      | 2.000                  | 2.140              | .453                | .125                   |
| KOS2     | 2          | 2.500                  | 2.750              | .750                | .250                   |

Standard colour: Gray.

## Paper Tube Plugs



The 1" to 6" polyethylene paper tube plugs come with convenient fingerpull tabs (one or two, depending on size), and are 1/2" deep.

The 8" to 12" plugs have a wide flange for easy removal from tubes and are 1-1/4" deep.

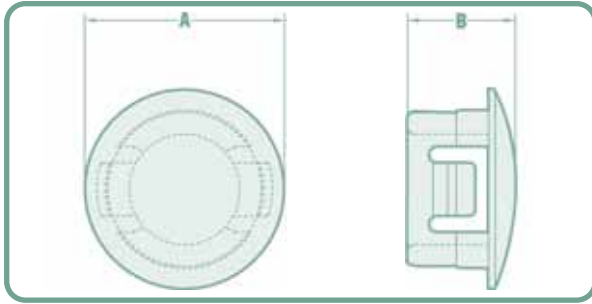
| Part No. | Fits Tube ID | Part No. | Fits Tube ID |
|----------|--------------|----------|--------------|
| TP 1000  | 1            | TP 2750  | 2-3/4        |
| TP 1250  | 1-1/4        | TP 3000  | 3            |
| TP 1375  | 1-3/8        | TP 3500  | 3-1/2        |
| TP 1500  | 1-1/2        | TP 4000  | 4            |
| TP 1750  | 1-3/4        | TP 5000  | 5            |
| TP 2000  | 2            | TP 6000  | 6            |
| TP 2250  | 2-1/4        | TP 8000  | 8            |
| TP 2500  | 2-1/2        | TP 10000 | 10           |
|          |              | TP 12000 | 12           |

Standard colour: Natural white (1" to 6") or black HDPE (8" to 12").

Other colours available for 1" to 6" sizes (minimum order 10,000).



# Shorty Plugs



Use when space inside the panel is a problem. Shorty plugs have a limited (1/8") protrusion inside the panel. They have a matte finish head tapering to a thin edge for a smooth finished look. Quickly and easily installed.

| Part No. | Mounting Hole Diameter     | Head Thickness | A Head Diameter | B Overall Height | Maximum Chassis Thickness |
|----------|----------------------------|----------------|-----------------|------------------|---------------------------|
| SP218    | .218                       | 1/16           | 9/32            | 1/4              | .062                      |
| SP281    | .281                       | 1/16           | 11/32           | 1/4              | .062                      |
| SP312    | .312                       | 1/16           | 3/8             | 1/4              | .062                      |
| SP343    | .343                       | 1/16           | 13/32           | 1/4              | .062                      |
| SP375    | .375                       | 1/16           | 15/32           | 1/4              | .062                      |
| SP406    | .406                       | 1/16           | 15/32           | 1/4              | .062                      |
| SP437    | .437                       | 1/16           | 17/32           | 1/4              | .062                      |
| SP468    | .468                       | 1/16           | 17/32           | 1/4              | .062                      |
| SP500    | .500                       | 1/16           | 37/64           | 1/4              | .062                      |
| SP531    | .531                       | 1/16           | 19/32           | 1/4              | .062                      |
| SP593    | .593                       | 1/16           | 11/16           | 1/4              | .062                      |
| SP625    | .625                       | 1/16           | 23/32           | 1/4              | .062                      |
| SP750    | .750                       | 1/16           | 27/32           | 1/4              | .062                      |
| SP781    | .781                       | 1/16           | 57/64           | 1/4              | .062                      |
| SP875    | .875                       | 1/16           | 31/32           | 1/4              | .062                      |
| SP1000*  | 1.000 <sup>+010/-000</sup> | 1/16           | 1-13/64         | 1/4              | .062                      |

Minimum order 1000.

Standard colour: **Black**. Other colours available at premium charge if quantities are sufficient.

\*UL and CSA approvals pending.

### ALSO AVAILABLE:



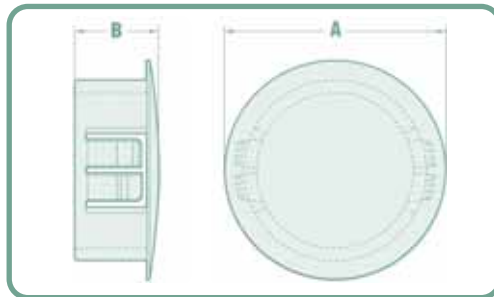
PRY OUT PLUGS



INSULATION PLUGS



# Dome Plugs



Close unneeded chassis holes. Moulded of black nylon, these feature a convex, matte finish head that tapers to a thin edge. Gives your product an uninterrupted, completed surface you can even paint over. No tools required. Just a quick push locks these firmly into chassis up to 1/4" thick.

| Part No. | Mounting Hole Diameter | Head Thickness | A Head Diameter | B Overall Height | Maximum Chassis Thickness | Minimum Order Qty. |
|----------|------------------------|----------------|-----------------|------------------|---------------------------|--------------------|
| DP187    | .187                   | 1/16           | 1/4             | 15/64            | .062                      | 1,000              |
| DP250    | .250                   | 1/16           | 5/16            | 5/16             | .062                      | 1,000              |
| DP312    | .312                   | 1/16           | 3/8             | 5/16             | .062                      | 1,000              |
| DP375    | .375                   | 1/16           | 15/32           | 13/32            | .125                      | 1,000              |
| DP437    | .437                   | 1/16           | 17/32           | 13/32            | .125                      | 1,000              |
| DP500    | .500                   | 1/16           | 37/64           | 13/32            | .125                      | 1,000              |
| DP562    | .562                   | 1/16           | 21/32           | 13/32            | .125                      | 1,000              |
| DP625    | .625                   | 1/16           | 23/32           | 13/32            | .125                      | 1,000              |
| DP687    | .687                   | 1/16           | 25/32           | 13/32            | .125                      | 1,000              |
| DP750    | .750                   | 1/16           | 59/64           | 13/32            | .125                      | 1,000              |
| DP812    | .812                   | 1/16           | 57/64           | 13/32            | .125                      | 1,000              |
| DP875    | .875                   | 1/16           | 1-1/64          | 29/64            | .125                      | 1,000              |
| DP1000   | 1.000                  | 1/16           | 1-13/64         | 29/64            | .125                      | 500                |
| DP1093   | 1.093*                 | 1/16           | 1-7/32          | 29/64            | .125                      | 500                |
| DP1187   | 1.187                  | 1/16           | 1-5/16          | 29/64            | .125                      | 500                |
| DP1250   | 1.250                  | 1/16           | 1-3/8           | 29/64            | .125                      | 500                |
| DP1375   | 1.375                  | 1/16           | 1-1/2           | 29/64            | .125                      | 500                |
| DP1500   | 1.500                  | 1/16           | 1-43/64         | 29/64            | .125                      | 500                |
| DP1750   | 1.750                  | 1/16           | 1-29/32         | 29/64            | .125                      | 300                |
| DP2000   | 2.000                  | 5/64           | 2-9/64          | 15/32            | .125                      | 300                |
| DP2.093  | 2.093**                | 7/64           | 2-1/4           | 3/4              | .250                      | 200                |
| DP2.25   | 2.250                  | 7/64           | 2-27/64         | 3/4              | .250                      | 200                |
| DP2.5    | 2.500                  | 7/64           | 2-23/32         | 3/4              | .250                      | 100                |
| DP3.0    | 3.000                  | 7/64           | 3-11/64         | 3/4              | .250                      | 100                |
| DP3.375  | 3.375                  | 7/64           | 3-21/32         | 3/4              | .250                      | 100                |
| DP3.5    | 3.500                  | 7/64           | 3-21/32         | 3/4              | .250                      | 100                |
| DP4.0    | 4.000                  | 7/64           | 4-5/32          | 3/4              | .250                      | 50                 |
| DP5.0    | 5.000                  | 7/64           | 5-7/32          | 25/32            | .250                      | 150                |
| DP6.0    | 6.000                  | 7/64           | 6-7/32          | 25/32            | .250                      | 130                |

**Standard colour: Black. Other colours available at premium charge if quantities are sufficient.**

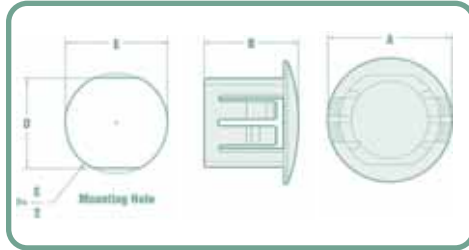
\* can be used up to 1.125 diameter.

\*\* can be used up to 2.125 diameter.



# Dome Plugs CONTINUED

## DOUBLE "D"

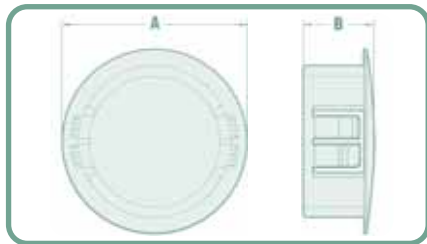


Got a strain relief hole where it shouldn't be? Don't start again; just fill it with a double "D" plug. These work for other chorded or "DD" holes as well (holes punched or moulded with two opposing flats). The convex, matte finish head tapers to a thin edge, giving your chassis a completed look. All sizes have a head thickness of 1/16", and fit a maximum chassis thickness of .125".

| Part No.  | Mounting Hole Diameter | D To Prevent Rotation | A Head Diameter | B Overall Height |
|-----------|------------------------|-----------------------|-----------------|------------------|
| DD437-390 | .437                   | .390                  | 17/32           | 13/32            |
| DD500-445 | .500                   | .445                  | 37/64           | 13/32            |
| DD562-530 | .562                   | .530                  | 21/32           | 13/32            |
| DD625-550 | .625                   | .550                  | 23/32           | 13/32            |
| DD750-625 | .750                   | .625                  | 59/64           | 13/32            |
| DD875-770 | .875                   | .770                  | 1-1/64          | 29/64            |

Minimum order 1000.

## THICKER PANEL DOME



Closes unneeded panel holes and electrical knock-outs. All-nylon construction. Convex matte finish head tapers to a thin edge. (Approximate head thickness .063".)

Locking fingers 'snap' into holes with fingertip pressure for quick and easy installation.

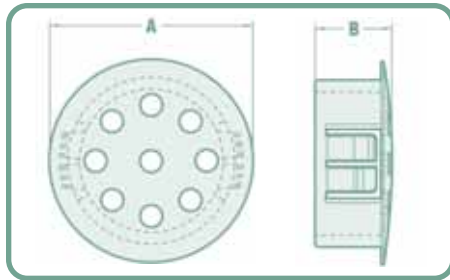
Withstands a push-back force of 35 pounds.

| Part No. | Mounting Hole Diameter | A Head Diameter | B Overall Height | Maximum Chassis Thickness |
|----------|------------------------|-----------------|------------------|---------------------------|
| DPT500   | .500                   | .578            | .562             | .250                      |
| DPT625   | .625                   | .718            | .562             | .250                      |
| DPT750   | .750                   | .921            | .562             | .250                      |
| DPT875   | .875                   | 1.015           | .562             | .250                      |
| DPT1000  | 1.000                  | 1.203           | .562             | .250                      |
| DPT1093  | 1.093 -1.125           | 1.218           | .562             | .250                      |
| DPT1187  | 1.187                  | 1.312           | .562             | .250                      |
| DPT1250  | 1.250                  | 1.375           | .562             | .250                      |
| DPT1375  | 1.375                  | 1.500           | .562             | .250                      |
| DPT1500  | 1.500                  | 1.671           | .562             | .250                      |
| DPT1750  | 1.750                  | 1.906           | .562             | .250                      |
| DPT2000  | 2.000                  | 2.170           | .580             | .250                      |

Standard Colour: Black or White.



# Vent Plugs



Permits the passage of air for heat dissipation and ventilation.

Convex, matte finish head tapers to a thin edge.

Locks firmly into chassis up to 1/4" thick.

Quick and easy installation with only fingertip pressure.

| Part No. | Mounting Hole Diameter | A Head Diameter | B Overall Height | Maximum Chassis Thickness | No. of Holes |
|----------|------------------------|-----------------|------------------|---------------------------|--------------|
| VP500    | .500                   | .578            | .406             | .125                      | 4            |
| VP625    | .625                   | .734            | .406             | .125                      | 5            |
| VP750    | .750                   | .906            | .406             | .125                      | 8            |
| VP875    | .875                   | 1.015           | .453             | .125                      | 9            |
| VP1000   | 1.000                  | 1.203           | .453             | .125                      | 9            |
| VP1093   | 1.093-1.125            | 1.218           | .453             | .125                      | 9            |
| VP1187   | 1.187                  | 1.312           | .453             | .125                      | 10           |
| VP1250   | 1.250                  | 1.375           | .453             | .125                      | 10           |
| SVP1250  | 1.250                  | 1.375           | .453             | .125                      | 4            |
| VP1375   | 1.375                  | 1.500           | .453             | .125                      | 11           |
| VP1500   | 1.500                  | 1.671           | .453             | .125                      | 13           |
| VP1750   | 1.750                  | 1.906           | .453             | .125                      | 13           |
| VP2000   | 2.000                  | 2.140           | .468             | .125                      | 19           |
| VP2.5    | 2.500                  | 2.718           | .750             | .250                      | 19           |
| VP3.0    | 3.000                  | 3.171           | .750             | .250                      | 26           |
| VP3.5    | 3.500                  | 3.656           | .750             | .250                      | 38           |
| VP4.0    | 4.000                  | 4.156           | .750             | .250                      | 48           |

Standard colour: Black. White and other colours available at premium charge if quantities are sufficient.

## PLUG ASSORTMENT LABKIT



Our labkits are perfect for product design departments, experimental labs and for all prototype work.

**LABKIT 3** is an assortment of plugs with approximately the following quantities and part numbers. (Content may vary.)

- 25 each DP250, DP312, POP375, POP250, G437, G500, GPT500
- 15 each GPT625, DPT625
- 10 each DPT750, SP750, WP750
- 8 each SP875
- 5 each WP1000
- 4 each VP1000, VPT1000, DP1250
- 3 each DP1500