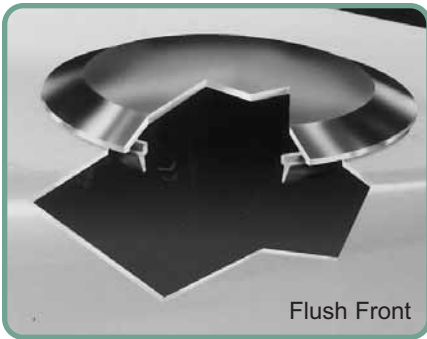
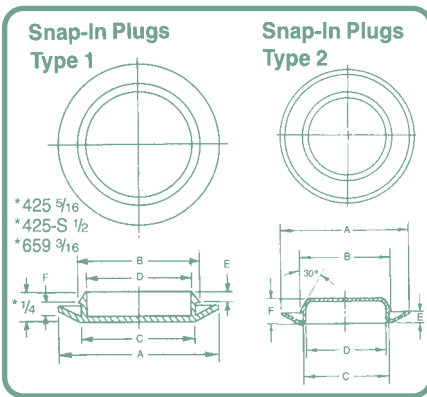




Snap-In Plugs



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.

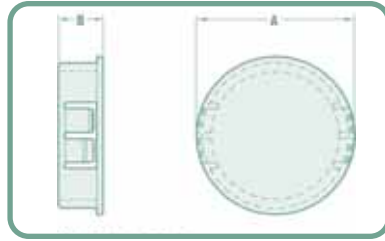
Black Low Density Polyethylene.

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 Head Diameter	B 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.

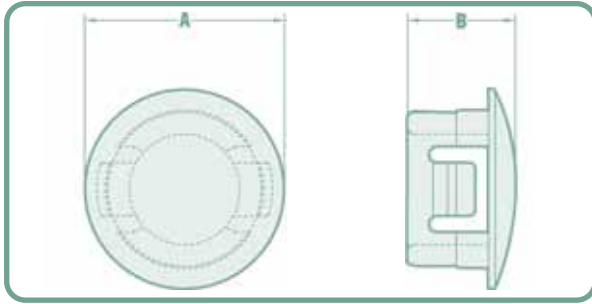
Part No.	Fits Tube ID	Part No.	Fits Tube ID
TP 1000	1	TP 2750	2-3/4
TP 1250	1-1/4	TP 3000	3
TP 1375	1-3/8	TP 3500	3-1/2
TP 1500	1-1/2	TP 4000	4
TP 1750	1-3/4	TP 5000	5
TP 2000	2	TP 6000	6
TP 2250	2-1/4	TP 8000	8
TP 2500	2-1/2	TP 10000	10
		TP 12000	12

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 ^{+010/-000}	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:



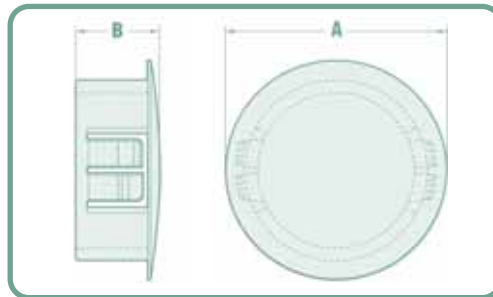
PRY OUT PLUGS



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.

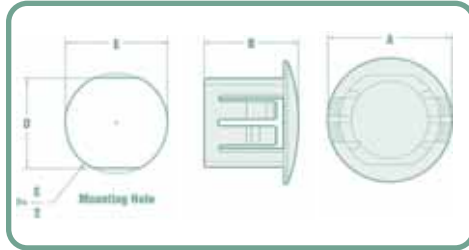
* can be used up to 1.125 diameter.

** can be used up to 2.125 diameter.



Dome Plugs CONTINUED

DOUBLE "D"

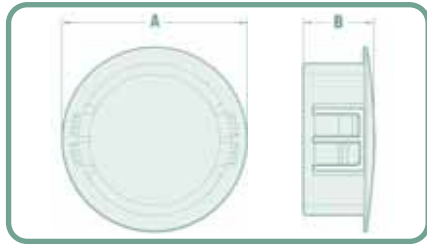


Got a strain relief hole where it shouldn't be? Don't start again; just fill it with a double "D" plug. These work for other chorded or "DD" holes as well (holes punched or moulded with two opposing flats). The convex, matte finish head tapers to a thin edge, giving your chassis a completed look. All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

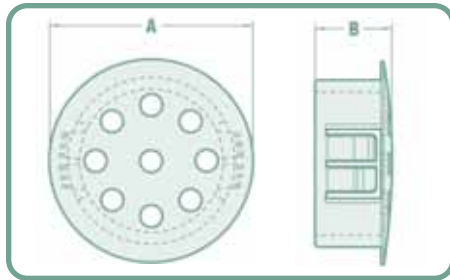
Withstands a push-back force of 35 pounds.

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