



POP[®]

Pull-Thru (PT) Rivets

***Ideal where clearance is limited
and a flush set is required on
both sides of the application.***

The POP[®] Pull-Thru (PT) rivet is a steel countersunk blind fastener designed to set surface flush on both sides of an application (blind side rivet protrusion $\leq 0.4\text{mm}/.015''$).

During setting, the mandrel never breaks away from the mandrel. It remains integral with the mandrel, while extruding completely through the rivet body and exiting into the setting tool. This unique process provides a consistent tight radial set within the working grip range of the rivet, improves rivet tool access and eliminates the possibility of loose mandrel heads in the application.

This innovative fastener is widely used in the electronics industry. It also lends itself to assembly of any product where clearance is limited and protrusion of the rivet body from application surfaces must be either minimized or eliminated.

The mandrels of the POP[®] Pull-Thru rivets have been color coded for easy differentiation on the production floor.

The POP[®] Pull-Thru rivets are manufactured to ISO, QS and TS requirements and are both RoHS and DFARS compliant.

The PT rivet delivers a "double flush" set required in a server blade assembly providing minimal to zero protrusion between the sliding components.



POP Rivet Presenter speeds up assembly process and improves productivity.



Features & Benefits:

- **Double Flush* Set**
 - Flush Set on both sides for double countersunk materials
 - Insertion can be reversed improving rivet tool access
- **Unique "Pull-Thru" Mandrel**
 - No mandrel heads remain anywhere in the application
 - Consistent clamp force
 - Tight radial set provides increased structural rigidity
- **High Speed Automation**
 - POP Rivet Presenter facilitates a cycle time as fast as 2 seconds.
- **Colored Mandrels**
 - Quick visual identification of different part sizes

***Patent Protected**


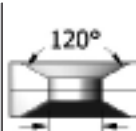
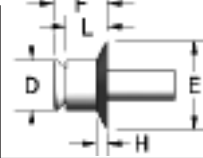


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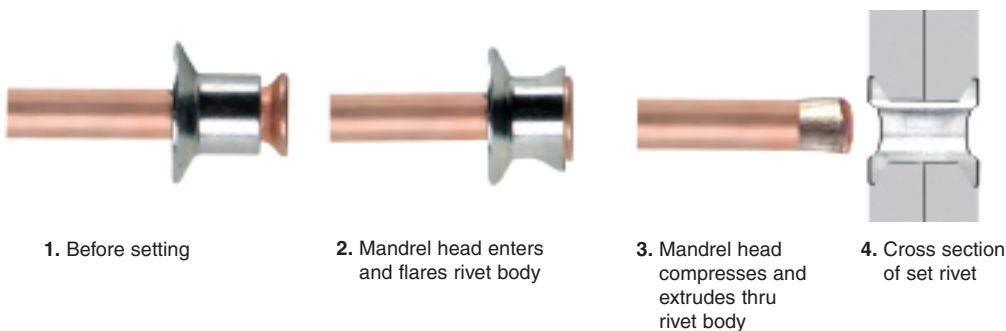
Pull-Thru (PT) Rivets



| (D) Nominal Rivet Diameter | (L) Nominal Rivet Body Length | (F) Nominal Blind Side Protrusion |  Grip Range | Rivet Part Number | Color Identification |  120° |  | |  Nominal Shear Strength |  Nominal Tensile Strength |
|--|----------------------------------|--------------------------------------|---|-------------------|----------------------|--|---|------------------------|---|---|
| | | | | | | | Hole Size | (H) Flange Thickness | | |
| In. (mm) | In. (mm) | In. (mm) | In. (mm) | | | In. (mm) | In. (mm) | In. (mm) | Lbs. (N) | Lbs. (N) |
| C1006-C1010 Steel Body/Steel Mandrel — 120° Countersunk — Finish: Zinc/Protective Coating | | | | | | | | | | |
| .118 (3.0) | .091 (2.3) | .193 (4.9) | .059-.079 (1.5-2.0) | SKK3025PT | Black | .129-.134 (3.28-3.40) | .030-.039 (0.75-1.00) | .193-.216 (4.9-5.5) | 180 (800) | 157 (700) |
| | .110 (2.8) | .205 (5.2) | .079-.098 (2.0-2.5) | SKK3030PT | Clear | | | | | |
| | .130 (3.3) | .224 (5.7) | .098-.118 (2.5-3.0) | SKK3035PT | Copper | | | | | |
| | .150 (3.8) | .244 (6.2) | .118-.138 (3.0-3.5) | SKK3040PT | Black | | | | | |
| | .169 (4.3) | .264 (6.7) | .138-.157 (3.5-4.0) | SKK3045PT | Clear | | | | | |
| | .189 (4.8) | .283 (7.2) | .157-.177 (4.0-4.5) | SKK3050PT | Copper | | | | | |
| | .208 (5.3) | .303 (7.7) | .177-.197 (4.5-5.0) | SKK3055PT | Black | | | | | |
| | .228 (5.8) | .323 (8.2) | .197-.217 (5.0-5.5) | SKK3060PT | Clear | | | | | |
| .248 (6.3) | .343 (8.7) | .217-.236 (5.5-6.0) | SKK3065PT | Copper | | | | | | |

Note: See Customer Print for application design details.

RIVET SETTING SEQUENCE



TOOL SELECTION GUIDE

| Rivet Diameter | POP® Tool |
|------------------|---|
| .118" (3.0mm) | ProSet® 1600, 2100, 2500 510A Series 5250A Series |

Note: Contact us for more information on high-speed fastening solutions.

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