

52 Captive Screws

Miniature series - Flare-in style

Features

- Smaller footprint for limited space applications
- Heat treated steel screw for optimum strength

Installation Notes

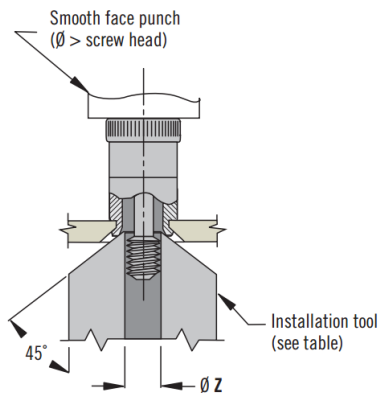
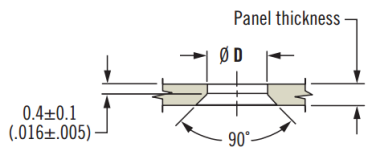
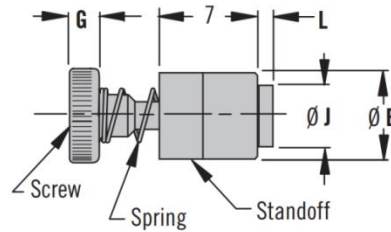
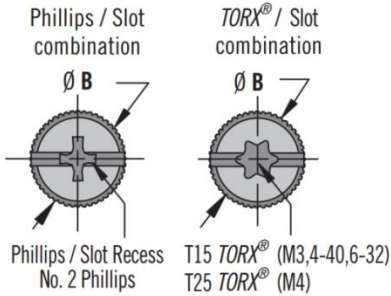
1. Prepare panel as shown
2. Use light pressure to flare standoff, assuring parallel surfaces on the punch and installation tool

Material

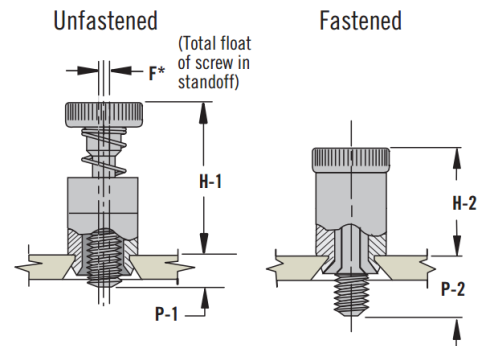
- Screw: Hardened carbon steel, zinc plated, chromate, plus sealer
- Spring: 300 series stainless steel, passivated
- Standoff: Aluminum natural
- Installation tool: Hardened carbon steel, zinc plated, chromate, plus sealer



Recess Styles



Knob Height and Screw Projection



H* - Value represents float in unfastened position
Notes: P-1, P-2 measured from the top side of panel

| Thread Size | Panel Thickness | | Part Number | | | | Ø B | Ø E | F | G | H-1 | H-2 | Ø J | L | P-1 | P-2 | Panel Preparation | | Tool Part No. |
|-------------|-----------------|------------|--------------------|-----------------|--------------------|-----------------|-----------|------------|------------|----------|------------|------------|------------|-----------|------------|-----------|--|------------|---------------|
| | | | Knurled Head | | Smooth Head | | | | | | | | | | | | Ø D | Ø Z | |
| | Min. | Max. | Phillips / Slotted | TORX® / Slotted | Phillips / Slotted | TORX® / Slotted | | | | | | | | | | | | | |
| 4-40 | 0.8 (.031) | 2.4 (.094) | 52-19-11-4 | 52-17-11-4 | 52-1A-11-4 | 52-18-11-4 | 7 (.28) | 6.2 (.245) | 0.5 (.018) | 2.5 (.1) | 14 (.55) | 9.6 (.38) | 4.6 (.183) | 1 (.041) | 0.8 (.031) | 5.3 (.21) | 4.75 ^{+0.08} ₋₀ (.187 ^{+0.03} ₋₀) | 3 (.120) | 47-104 |
| 6-32 | 1.5 (.058) | 3.2 (.125) | 52-29-21-4 | 52-27-21-4 | 52-2A-21-4 | 52-28-21-4 | 8 (.31) | 7 (.28) | 0.7 (.028) | 2.5 (.1) | 15 (.59) | 9.6 (.38) | 5.3 (.209) | 1.8 (.07) | 1.8 (.07) | 6.8 (.27) | 5.41 ^{+0.08} ₋₀ (.213 ^{+0.03} ₋₀) | 3.6 (.141) | 47-106 |
| M3 x 0.5 | 0.8 (.031) | 2.4 (.094) | 52-39-11-4 | 52-37-11-4 | 52-3A-11-4 | 52-38-11-4 | 7 (.28) | 6.2 (.245) | 0.6 (.023) | 2.5 (.1) | 14 (.55) | 9.6 (.38) | 4.6 (.183) | 1 (.041) | 0.8 (.031) | 5.3 (.21) | 4.75 ^{+0.08} ₋₀ (.187 ^{+0.03} ₋₀) | 3 (.120) | 47-104 |
| M4 x 0.7 | 1.5 (.058) | 3.2 (.125) | 52-49-21-4 | 52-47-21-4 | 52-4A-21-4 | 52-48-21-4 | 9.4 (.37) | 8.7 (.34) | 0.7 (.028) | 3 (.12) | 15.2 (.60) | 10.1 (.40) | 6.7 (.26) | 1.8 (.07) | 1.8 (.07) | 6.8 (.27) | 6.76 ^{+0.1} _{-0.04} (.266 ^{+0.03} ₋₀) | 4.2 (.166) | 47-108 |

Note: Subtract .25 (.01) from Ø B for smooth head style.

52 Captive Screws

Miniature series - Press-in style

Features

- Smaller footprint for limited space applications
- Heat treated steel screw for optimum strength

Installation Notes

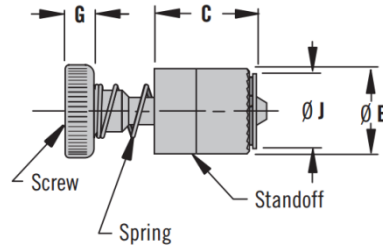
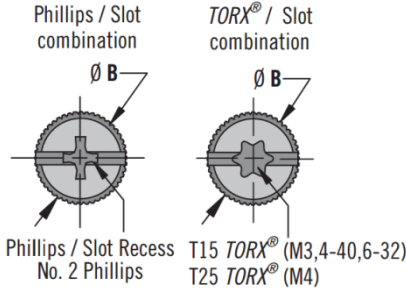
- For use in most aluminium or in low carbon steels that are 1/4 hard or softer

Material

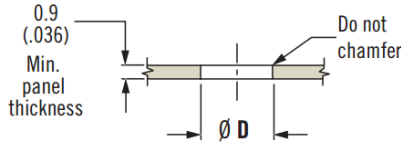
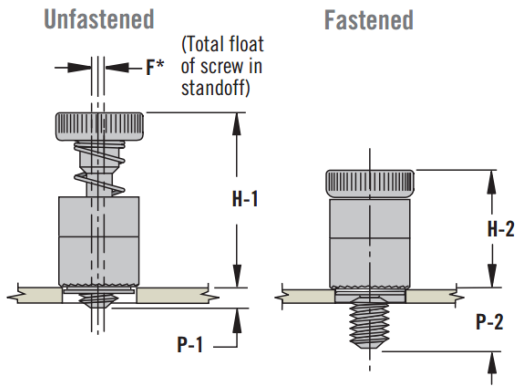
- Screw: Hardened carbon steel, zinc plated, chromate, plus sealer
- Spring: 300 series stainless steel, passivated
- Standoff: Carbon steel, zinc plated, chromate, plus sealer



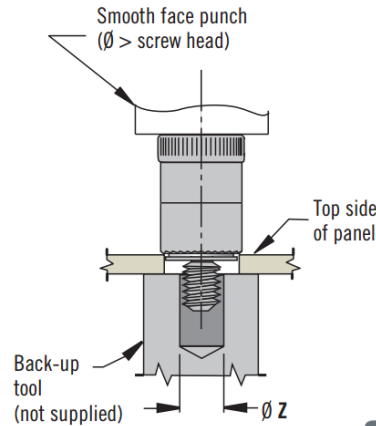
Recess Styles



Knob Height and Screw Projection



Notes: Recommended minimum distance from edge of panel to centerline of hole is 1.5 x Ø D for press-in version.



* Value represents float in unfastened position
Notes: P-1, P-2 measured from the top side of panel

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| Thread Size | Part Number | | | | | | | | | | Panel Preparation | | | | | |
|-------------|--------------------|-----------------|--------------------|-----------------|--------------|--------------|--------------|---------------|-------------|---------------|-------------------|---------------|------------------------|------------------------|---|---------------|
| | Knurled Head | | Smooth Head | | Ø B | C | Ø E | F* | G | H-1 | H-2 | Ø J | P-1 | P-2 | Ø D | Ø Z |
| | Phillips / Slotted | TORX® / Slotted | Phillips / Slotted | TORX® / Slotted | | | | | | | | | | | | |
| 4-40 | 52-19-51-4 | 52-17-51-4 | 52-1A-51-4 | 52-18-51-4 | 7 (.28) | 7.9 (.31) | 6.4 (.25) | 0.5 (.018) | 2.5 (.1) | 14 (.55) | 9.6 (.38) | 5.5 (.217) | 0.9 (.036) 2.5 (.1) | 5.3 (.21) 6.8 (.27) | 5.56 ^{+0.08} ₋₀ (.219 ^{+0.03} ₋₀) | 3 (.120) |
| | 52-19-53-4 | 52-17-53-4 | 52-1A-53-4 | 52-18-53-4 | 8 (.31) | 8.6 (.34) | 7 (.28) | 0.7 (.028) | 2.5 (.1) | 15.5 (.61) | 10.4 (.41) | 6.3 (.247) | 0.9 (.036) 2.5 (.1) | 6.1 (.24) 7.6 (.30) | 6.35 ^{+0.08} ₋₀ (.250 ^{+0.03} ₋₀) | 3.7 (.144) |
| M3 X 0.5 | 52-39-51-4 | 52-37-51-4 | 52-3A-51-4 | 52-38-51-4 | 7 (.28) | 7.9 (.31) | 6.4 (.25) | 0.6 (.023) | 2.5 (.1) | 14 (.55) | 9.6 (.38) | 5.5 (.217) | 0.9 (.036) 2.5 (.1) | 5.3 (.21) 6.8 (.27) | 5.56 ^{+0.08} ₋₀ (.219 ^{+0.03} ₋₀) | 3.2 (.126) |
| | 52-39-53-4 | 52-37-53-4 | 52-3A-53-4 | 52-38-53-4 | 9.4 (.37) | 8.6 (.34) | 8.7 (.34) | 0.7 (.028) | 3 (.12) | 16 (.63) | 10.8 (.43) | 7.9 (.31) | 0.9 (.036) 2.5 (.1) | 6.1 (.24) 7.6 (.30) | 8 ⁺⁰ _{-0.08} (.315 ⁺⁰ _{-0.02}) | 4.4 (.173) |