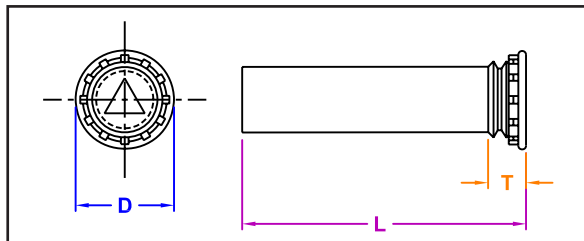


## SELF-CLINCHING PINS



**SERIES**  
**Captive - CH/CHN/CHS/CHA**  
**PEM® - FH/FHN/FHS/FHA**  
**JHP Fasteners - SFH**



Manufactured by Captive Fastener Corp

**CH pins provide a strong flush-head assembly in material as thin as .040 inches (1mm) with high pushout performance.**

### INCH

| Pin Dia.<br>B<br>(± 0.002) | All dimensions are in inches |       |       |       |       |       |       |      |      |      | Minimum<br>Mat'l<br>Thick | Hole<br>Size<br>+.003<br>-.000 | T<br>(max) | D<br>±0.015 | Minimum<br>Distance<br>to Edge |
|----------------------------|------------------------------|-------|-------|-------|-------|-------|-------|------|------|------|---------------------------|--------------------------------|------------|-------------|--------------------------------|
|                            | L                            |       |       |       |       |       |       |      |      |      |                           |                                |            |             |                                |
|                            | Length ± 0.015 inches        |       |       |       |       |       |       |      |      |      |                           |                                |            |             |                                |
|                            | 0.250                        | 0.312 | 0.375 | 0.500 | 0.625 | 0.750 | 0.875 | 1.00 | 1.25 | 1.50 |                           |                                |            |             |                                |
| 0.073                      | -4                           | -5    | -6    | -8    | -10   |       |       |      |      |      | 0.040                     | 0.089                          | 0.075      | 0.15        | 0.19                           |
| 0.084                      | -4                           | -5    | -6    | -8    | -10   | -12   |       |      |      |      | 0.040                     | 0.099                          | 0.085      | 0.16        | 0.22                           |
| 0.094                      | -4                           | -5    | -6    | -8    | -10   | -12   |       |      |      |      | 0.040                     | 0.111                          | 0.085      | 0.18        | 0.22                           |
| 0.103                      | -4                           | -5    | -6    | -8    | -10   | -12   |       |      |      |      | 0.040                     | 0.118                          | 0.085      | 0.18        | 0.22                           |
| 0.106                      | -4                           | -5    | -6    | -8    | -10   | -12   |       |      |      |      | 0.040                     | 0.125                          | 0.090      | 0.19        | 0.22                           |
| 0.116                      | -4                           | -5    | -6    | -8    | -10   | -12   | -14   | -16  | -20  |      | 0.040                     | 0.137                          | 0.090      | 0.21        | 0.25                           |
| 0.120                      | -4                           | -5    | -6    | -8    | -10   | -12   | -14   | -16  | 20   |      | 0.040                     | 0.137                          | 0.090      | 0.21        | 0.25                           |
| 0.137                      | -4                           | -5    | -6    | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.040                     | 0.157                          | 0.090      | 0.23        | 0.28                           |
| 0.141                      | -4                           | -5    | -6    | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.040                     | 0.163                          | 0.090      | 0.24        | 0.28                           |
| 0.160                      |                              | -5    | -6    | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.040                     | 0.189                          | 0.100      | 0.26        | 0.28                           |
| 0.167                      |                              | -5    | -6    | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.040                     | 0.189                          | 0.100      | 0.26        | 0.28                           |
| 0.173                      |                              | -5    | -6    | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.040                     | 0.197                          | 0.100      | 0.26        | 0.28                           |
| 0.207                      |                              |       | -6    | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.062                     | 0.236                          | 0.135      | 0.32        | 0.31                           |
| 0.215                      |                              |       |       | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.062                     | 0.210                          | 0.135      | 0.34        | 0.31                           |
| 0.223                      |                              |       |       | -8    | -10   | -12   | -14   | -16  |      |      | 0.062                     | 0.250                          | 0.135      | 0.34        | 0.31                           |
| 0.273                      |                              |       |       | -8    | -10   | -12   | -14   | -16  | -20  | -24  | 0.093                     | 0.312                          | 0.160      | 0.38        | 0.38                           |
| 0.281                      |                              |       |       | -8    | -10   | -12   | -14   | -16  |      |      | 0.093                     | 0.312                          | 0.160      | 0.38        | 0.38                           |

### METRIC

| Pin Dia.<br>B<br>± 0.05 | All dimensions are in millimeters |    |     |     |     |     |     |     |     |     | Minimum<br>Mat'l<br>Thick | Hole<br>Size<br>+.08<br>-.000 | T<br>(max) | D<br>±0.4 | Minimum<br>Distance<br>to Edge |
|-------------------------|-----------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------------|-------------------------------|------------|-----------|--------------------------------|
|                         | L                                 |    |     |     |     |     |     |     |     |     |                           |                               |            |           |                                |
|                         | Length ± 0.4mm                    |    |     |     |     |     |     |     |     |     |                           |                               |            |           |                                |
|                         | 6                                 | 8  | 10  | 12  | 15  | 18  | 20  | 25  | 30  | 35  |                           |                               |            |           |                                |
| 3mm                     | -6                                | -8 | -10 | -12 | -15 | -18 | -20 | -25 | -30 | N/A | 1.0                       | 3.5                           | 2.30       | 5.3       | 6.4                            |
| 4mm                     | N/A                               | -8 | -10 | -12 | -15 | -18 | -20 | -25 | -30 | -35 | 1.0                       | 4.1                           | 2.30       | 6.0       | 7.1                            |
| 5mm                     | N/A                               | -8 | -10 | -12 | -15 | -18 | -20 | -25 | -30 | -35 | 1.0                       | 5.5                           | 2.55       | 7.5       | 7.6                            |

"PEM" is a registered trademark of Penn Engineering®.  
 Captive Fastener Corporation parts are substitutes for  
 the PEM part numbers in form, fit & function.

JHP Fasteners, Inc.  
 610 Maryland NE - Suite B  
 Grand Rapids, MI 49505

Scale  
 NTS

Drawing No

SFH-Pin

Revision

P - 800.783.0910  
 P - 616.913.0060  
 F - 616.913.0085

Drawn by:

M McCormick