

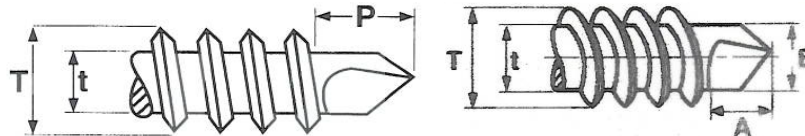


Atlanta, Georgia  
Phone 800-521-7326 Fax 770-745-1333

### Hex Washer Head Self Drill Point Screw Zinc Plated & Stainless Steel

Diagram 1

Diagram 2



Drill Point Specification (Diagram 1)

| Peco<br>Catalog#                     | Screw Diameter |        | Threads Per Inch | T                 |      | t              |      | P                       |          | Min Practical Nominal Screw Lengths - Formed Points |                 |                 |                 | Min<br>Torsional<br>Strenth<br>Lb./In. Steel<br>Screws Only |
|--------------------------------------|----------------|--------|------------------|-------------------|------|----------------|------|-------------------------|----------|-----------------------------------------------------|-----------------|-----------------|-----------------|-------------------------------------------------------------|
|                                      |                |        |                  | Major<br>Diameter |      | Minor Diameter |      | Protrusion<br>Allowance |          |                                                     |                 |                 |                 |                                                             |
|                                      |                |        |                  | Min               | Max  | Min            | Max  | #2 Point                | #3 Point | 90° Head #2 Pt.                                     | CSK Head #3 Pt. | 90° Head #2 Pt. | CSK Head #3 Pt. |                                                             |
| See Section<br>One of Our<br>Catalog | 4              | 0.1120 | 24               | .110              | .114 | .082           | .086 | .163                    | n/a      | 5/16                                                | 3/8             | n/a             | n/a             | 14                                                          |
|                                      | 6              | 0.1380 | 20               | .135              | .139 | .099           | .104 | .190                    | .220     | 5/16                                                | 3/8             | 3/8             | 7/16            | 24                                                          |
|                                      | 7              | 0.1510 | 19               | .146              | .153 | .109           | .113 | .137                    | .157     | 5/16                                                | 3/8             | 3/8             | 7/16            | -                                                           |
|                                      | 8              | 0.1640 | 18               | .161              | .166 | .116           | .122 | .211                    | .251     | 3/8                                                 | 7/16            | 4/16            | 1/2             | 42                                                          |
|                                      | 10             | 0.1900 | 16               | .183              | .189 | .135           | .141 | .235                    | .300     | 7/16                                                | 1/2             | 1/2             | 9/16            | 61                                                          |
|                                      | 12             | 0.2160 | 14               | .209              | .215 | .157           | .164 | .283                    | .353     | 1/2                                                 | 5/8             | 1/2             | 5/8             | 92                                                          |
|                                      | 1/4            | .2500  | 14               | .240              | .246 | .185           | .192 | .318                    | .393     | 1/2                                                 | 5/8             | 1/2             | 5/8             | 150                                                         |

5/16" and 3/8" diameter are #3 Point (Diagram 2)

| 5/16" and 3/8" diameter are #3 Point (Diagram 2) |       |                  |                |                |                    |                           |       |       |       |       | Self-Drilling Screw Selection Chart* |         |                              |       |
|--------------------------------------------------|-------|------------------|----------------|----------------|--------------------|---------------------------|-------|-------|-------|-------|--------------------------------------|---------|------------------------------|-------|
| Screw Diameter                                   |       | Threads Per Inch | T              |                | t                  |                           | A     |       | B     |       | Screw Size                           | Point # | Panel Thickness, In. Min-Max |       |
|                                                  |       |                  | Major Diameter | Minor Diameter | Drill Piont Length | Penetrating Gauging Depth | 4     | 2     | 0.035 | 0.060 |                                      |         |                              |       |
|                                                  |       |                  |                |                |                    |                           | 6     | 2     | 0.035 | 0.090 |                                      |         |                              |       |
|                                                  |       |                  |                |                |                    |                           | 8     | 2     | 0.035 | 0.100 |                                      |         |                              |       |
|                                                  |       |                  |                |                |                    |                           | 10    | 2     | 0.035 | 0.110 |                                      |         |                              |       |
| Min                                              | Max   | Min              | Max            | Min            | Max                | Min                       | Max   | 10    | 3     | 0.110 | 0.175                                |         |                              |       |
| 5/16                                             | .3125 | 12               | 0.307          | 0.315          | 0.263              | 0.272                     | 0.361 | 0.421 | 0.265 | 0.270 | 12                                   | 3       | 0.110                        | 0.210 |
| 3/8                                              | .3750 | 12               | 0.370          | 0.380          | 0.298              | 0.308                     | 0.314 | 0.354 | 0.330 | 0.338 | 1/4                                  | 3       | 0.110                        | 0.220 |

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|                |                                                                                                                                                                                                                      |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material       | AISI 1016 - 1024 or equivalent Steel or Stainless Austenitic 18-8 or 410 Stainless Steel                                                                                                                             |
| Heat Treatment | Steel - Quenched in liquid and tempered by reheating to 625°F minimum. Stainless Steel 410 tempered by heating to 1800°F-1900°F Held for min of 30 minutes. Reheated to 500°F-600°F for 60 minutes. Then air cooled. |
| Core Hardness  | Steel - Rockwell C32 - C40 Stainless Steel 410 - Rockwell C38 - C42 Stainless Steel 18-8 - Rockwell B90 - C25                                                                                                        |
| Case Depth     | No. 4 and No. 6 diameter .002 - .007 No. 8 - No. 12 .004 - .009 1/4" and larger .005 - .011                                                                                                                          |

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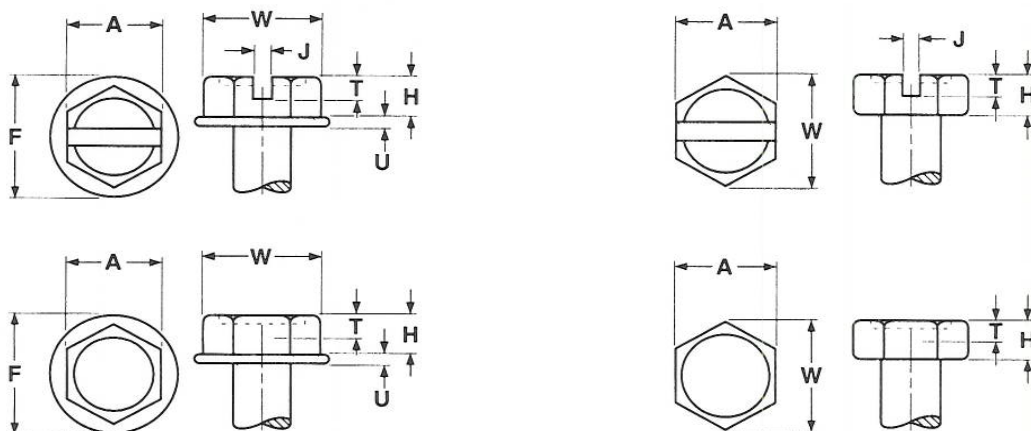


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### Hex Washer Head Self Drill Point Screw Zinc Plated & Stainless Steel



Head Dimensions and Specifications

| Screw Diameter |        | Minimum Torsional Strength. Lb. Steel Screws Only | Hex Chuck Size | A                  |      | W                    | H           |      | F                  |      | U                   |      | J             |      | T             |      |
|----------------|--------|---------------------------------------------------|----------------|--------------------|------|----------------------|-------------|------|--------------------|------|---------------------|------|---------------|------|---------------|------|
|                |        |                                                   |                | Width Across Flats |      | Width Across Corners | Head Height |      | Diameter of Washer |      | Thickness of Washer |      | Width of Slot |      | Depth of Slot |      |
|                |        |                                                   |                | Min                | Max  | Min                  | Min         | Max  | Min                | Max  | Min                 | Max  | Min           | Max  | Min           | Max  |
| 6              | 0.1380 | 24                                                | 1/4            | .244               | .250 | .272                 | .080        | .093 | .302               | .328 | .015                | .025 | .039          | .048 | .033          | .046 |
| 7              | 0.1510 | 30                                                | 1/4            | .244               | .250 | .272                 | .080        | .093 | .302               | .328 | .017                | .029 | .039          | .048 | .040          | .054 |
| 8              | 0.1640 | 39                                                | 1/4            | .244               | .250 | .272                 | .096        | .110 | .322               | .348 | .019                | .031 | .045          | .054 | .052          | .066 |
| 10             | 0.1900 | 48                                                | 5/16           | .305               | .312 | .340                 | .105        | .120 | .384               | .414 | .019                | .031 | .050          | .060 | .057          | .072 |
| 12             | 0.2160 | 83                                                | 5/16           | .305               | .312 | .340                 | .139        | .155 | .398               | .432 | .022                | .039 | .056          | .067 | .077          | .093 |
| 14             | 0.2420 | 125                                               | 3/8            | .367               | .375 | .409                 | .172        | .190 | .480               | .520 | .030                | .050 | .064          | .075 | .083          | .101 |
| 1/4            | .2500  | 142                                               | 3/8            | .367               | .375 | .409                 | .172        | .190 | .480               | .520 | .030                | .050 | .064          | .075 | .083          | .101 |

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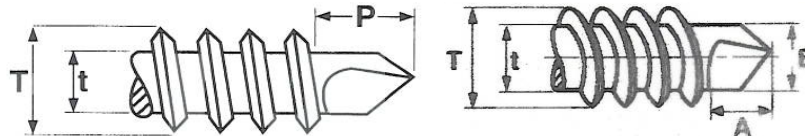


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|                                      |                |        |                  | Major<br>Diameter |      | Minor Diameter |      | Protrusion<br>Allowance |          |                                                     |                 |                 |                 |                                                             |
|                                      |                |        |                  | Min               | Max  | Min            | Max  | #2 Point                | #3 Point | 90° Head #2 Pt.                                     | CSK Head #3 Pt. | 90° Head #2 Pt. | CSK Head #3 Pt. |                                                             |
| See Section<br>One of Our<br>Catalog | 4              | 0.1120 | 24               | .110              | .114 | .082           | .086 | .163                    | n/a      | 5/16                                                | 3/8             | n/a             | n/a             | 14                                                          |
|                                      | 6              | 0.1380 | 20               | .135              | .139 | .099           | .104 | .190                    | .220     | 5/16                                                | 3/8             | 3/8             | 7/16            | 24                                                          |
|                                      | 7              | 0.1510 | 19               | .146              | .153 | .109           | .113 | .137                    | .157     | 5/16                                                | 3/8             | 3/8             | 7/16            | -                                                           |
|                                      | 8              | 0.1640 | 18               | .161              | .166 | .116           | .122 | .211                    | .251     | 3/8                                                 | 7/16            | 4/16            | 1/2             | 42                                                          |
|                                      | 10             | 0.1900 | 16               | .183              | .189 | .135           | .141 | .235                    | .300     | 7/16                                                | 1/2             | 1/2             | 9/16            | 61                                                          |
|                                      | 12             | 0.2160 | 14               | .209              | .215 | .157           | .164 | .283                    | .353     | 1/2                                                 | 5/8             | 1/2             | 5/8             | 92                                                          |
|                                      | 1/4            | .2500  | 14               | .240              | .246 | .185           | .192 | .318                    | .393     | 1/2                                                 | 5/8             | 1/2             | 5/8             | 150                                                         |

| 5/16" and 3/8" diameter are #3 Point (Diagram 2) |       |                  |                |                |                    |                           |       |       |       |       | Self-Drilling Screw Selection Chart* |         |                              |       |
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|                                                  |       |                  |                |                |                    |                           | 6     | 2     | 0.035 | 0.090 |                                      |         |                              |       |
|                                                  |       |                  |                |                |                    |                           | 8     | 2     | 0.035 | 0.100 |                                      |         |                              |       |
|                                                  |       |                  |                |                |                    |                           | 10    | 2     | 0.035 | 0.110 |                                      |         |                              |       |
| Min                                              | Max   | Min              | Max            | Min            | Max                | Min                       | Max   | 10    | 3     | 0.110 | 0.175                                |         |                              |       |
| 5/16                                             | .3125 | 12               | 0.307          | 0.315          | 0.263              | 0.272                     | 0.361 | 0.421 | 0.265 | 0.270 | 12                                   | 3       | 0.110                        | 0.210 |
| 3/8                                              | .3750 | 12               | 0.370          | 0.380          | 0.298              | 0.308                     | 0.314 | 0.354 | 0.330 | 0.338 | 1/4                                  | 3       | 0.110                        | 0.220 |

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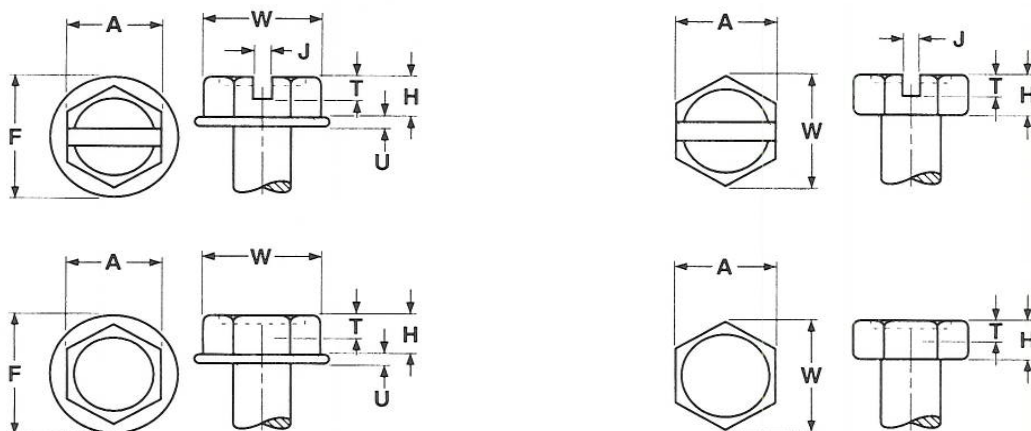


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|----------------|--------|---------------------------------------------------------------|----------------|-----------------------|------|----------------------------|-------------|------|--------------------|------|---------------------|------|---------------|------|------------------|------|
|                |        |                                                               |                | Width Across<br>Flats |      | Width<br>Across<br>Corners | Head Height |      | Diameter of Washer |      | Thickness of Washer |      | Width of Slot |      | Depth of<br>Slot |      |
|                |        |                                                               |                | Min                   | Max  | Min                        | Min         | Max  | Min                | Max  | Min                 | Max  | Min           | Max  | Min              | Max  |
| 6              | 0.1380 | 24                                                            | 1/4            | .244                  | .250 | .272                       | .080        | .093 | .302               | .328 | .015                | .025 | .039          | .048 | .033             | .046 |
| 7              | 0.1510 | 30                                                            | 1/4            | .244                  | .250 | .272                       | .080        | .093 | .302               | .328 | .017                | .029 | .039          | .048 | .040             | .054 |
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