



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>Strength<br>Lb./In. Steel<br>Screws Only |
|--------------------------------------|----------------|--------|------------------|----------------|------|----------------|------|----------------------|----------|---|-----------------|-----------------|-----------------|--|
|                                      |                |        |                  | Major Diameter |      | Minor Diameter |      | Protrusion 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\*

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

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|                       |  |
|-----------------------|--|
| <b>Material</b>       | AISI 1016 - 1024 or equivalent Steel or Stainless Austenitic 18-8 or 410 Stainless Steel   |
| <b>Heat Treatment</b> | 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. |
| <b>Core Hardness</b>  | Steel - Rockwell C32 - C40 Stainless Steel 410 - Rockwell C38 - C42 Stainless Steel 18-8 - Rockwell B90 - C25  |
| <b>Case Depth</b>     | No. 4 and No. 6 diameter .002 - .007 No. 8 - No. 12 .004 - .009 1/4" and larger .005 - .011  |

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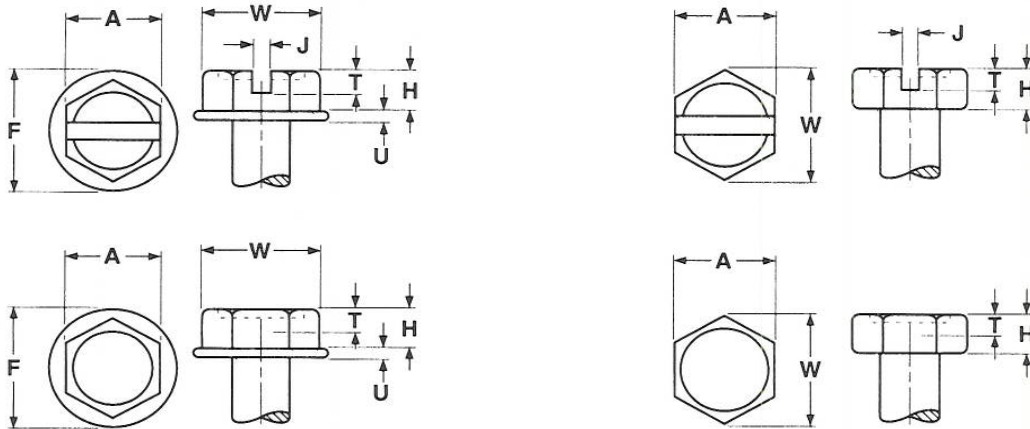


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**Head Dimensions and Specifications**

| 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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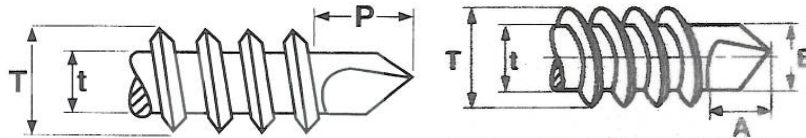


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|                                      |                |        |                  | Major Diameter |      | Minor Diameter |      | Protrusion Allowance |          |   |                 |                 |                 |  |
|                                      |                |        |                  | Min            | Max  | Min            | Max  | #2 Point             | #3 Point | 90° Head #2 Pt.                                     | CSK Head #3 Pt. | 90° Head #2 Pt. | CSK Head #3 Pt. |  |
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|                                      | 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   |
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|                |       |                  |       | Min            | Max   | Min            | Max   | Min                | Max   | Min                       | Max |            |         |                              |  |
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|                |       |                  |       |                |       |                |       |                    |       |                           | 12  | 3          | 0.110   | 0.210                        |  |
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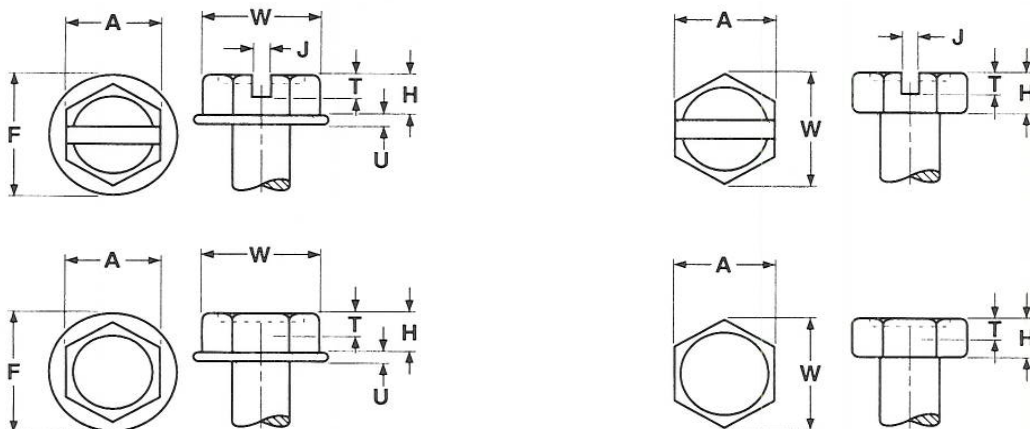


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|                |   |                | Width Across Flats |      | Width Across Corners |      | Head Height |      | Diameter of Washer |      | Thickness of Washer |      | Width of Slot |      | Depth of Slot |      |
|                |   |                | Min                | Max  | Min                  | Max  | 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 |
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