



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 Catalog# | Screw Diameter | | Threads Per Inch | T | | t | | P | | Min Practical Nominal Screw Lengths - Formed Points | | | | Min Torsional Strength Lb./In. Steel 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 One of Our 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 | |

*This is strictly a guide, no warranty is implied or applicable.

| | |
|-----------------------|--|
| 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 |

Peco Fasteners specification sheets are a reference guide to help in the selection of fasteners. Peco has made every effort to ensure the accuracy of the information. However, Peco Fasteners is not responsible for any errors that may be contained within these sheets. Peco Fasteners makes no claim of warranty in the accuracy of this information. Users of this information are solely responsible for protecting themselves against liability. It is solely the responsibility of the purchasers and users of these fasteners to consult with Engineers that are experts in an applicable field. Peco Fasteners is not responsible for any loss, claim, or damage due to these specification sheets.

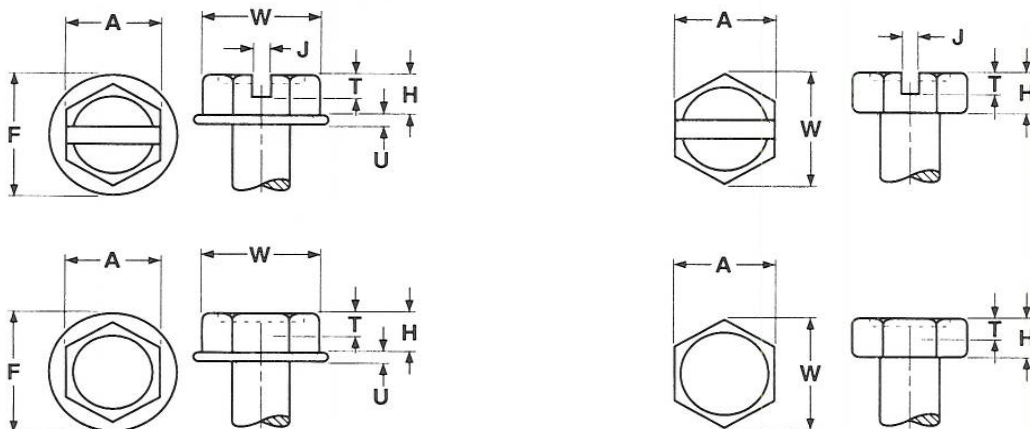


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**Hex Washer Head Self Drill Point Screw
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Head Dimensions and Specifications

| 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 | 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 |
| 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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Diagram 1

Diagram 2



Drill Point Specification (Diagram 1)

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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. | |
| See Section One of Our 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 | |
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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 |
| 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 |
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