

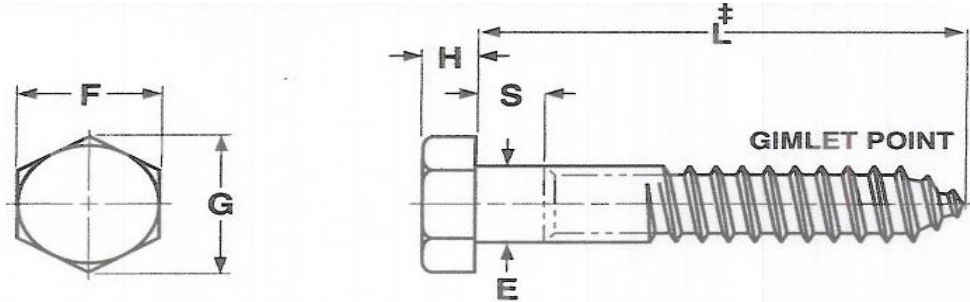


Atlanta, Georgia

Phone 800-521-7326

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## Hex Lag Screws Zinc, Stainless, and Hot-Dip Galvanized



|                                                                                         |        |                  | E                 |       | F               |       |              | G                                                                                                                                                                                                                                                                                                                                                                                       |         | H                                          |       |                    | S               |  |
|-----------------------------------------------------------------------------------------|--------|------------------|-------------------|-------|-----------------|-------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------|-------|--------------------|-----------------|--|
|                                                                                         |        |                  | Shoulder Diameter |       | Width           |       |              | Width                                                                                                                                                                                                                                                                                                                                                                                   |         | Head Height                                |       |                    | Shoulder Length |  |
|                                                                                         |        |                  |                   |       | Across Flats    |       |              | Across Corners                                                                                                                                                                                                                                                                                                                                                                          |         |                                            |       |                    |                 |  |
| Basic Diameter                                                                          |        | Threads Per Inch | Min               | Max   | Basic           | Min   | Max          | Min                                                                                                                                                                                                                                                                                                                                                                                     | Max     | Basic                                      | Min   | Max                | Min             |  |
| 10                                                                                      | 0.1900 | 11               | 0.178             | 0.199 | 9/32            | 0.271 | 0.281        | 0.309                                                                                                                                                                                                                                                                                                                                                                                   | 0.323   | 1/8                                        | 0.110 | 0.140              | 0.094           |  |
| 1/4                                                                                     | 0.2500 | 10               | 0.237             | 0.260 | 7/16            | 0.425 | 0.438        | 0.484                                                                                                                                                                                                                                                                                                                                                                                   | 0.505   | 11/64                                      | 0.150 | 0.188              | 0.094           |  |
| 5/16                                                                                    | 0.3125 | 9                | 0.298             | 0.324 | 1/2             | 0.484 | 0.500        | 0.552                                                                                                                                                                                                                                                                                                                                                                                   | 0.577   | 7/32                                       | 0.195 | 0.235              | 0.125           |  |
| 3/8                                                                                     | 0.3750 | 7                | 0.360             | 0.388 | 9/16            | 0.544 | 0.562        | 0.620                                                                                                                                                                                                                                                                                                                                                                                   | 0.650   | 1/4                                        | 0.226 | 0.268              | 0.125           |  |
| 7/16                                                                                    | 0.4375 | 7                | 0.421             | 0.452 | 5/8             | 0.603 | 0.625        | 0.687                                                                                                                                                                                                                                                                                                                                                                                   | 0.722   | 19/64                                      | 0.272 | 0.316              | 0.156           |  |
| 1/2                                                                                     | 0.5000 | 6                | 0.482             | 0.515 | 3/4             | 0.725 | 0.750        | 0.826                                                                                                                                                                                                                                                                                                                                                                                   | 0.866   | 11/32                                      | 0.302 | 0.364              | 0.156           |  |
| 5/8                                                                                     | 0.6250 | 5                | 0.605             | 0.642 | 15/16           | 0.906 | .0938        | 1.033                                                                                                                                                                                                                                                                                                                                                                                   | 1.083   | 27/64                                      | 0.378 | 0.444              | 0.312           |  |
| 3/4                                                                                     | 0.7500 | 4-1/2            | 0.729             | 0.768 | 1-1/8           | 1.088 | 1.125        | 1.240                                                                                                                                                                                                                                                                                                                                                                                   | 1.299   | 1/2                                        | 0.455 | 0.524              | 0.375           |  |
| 7/8                                                                                     | 0.8750 | 4                | 0.852             | 0.895 | 1-5/16          | 1.269 | 1.312        | 1.447                                                                                                                                                                                                                                                                                                                                                                                   | 1.516   | 37/64                                      | 0.531 | 0.604              | 0.375           |  |
| Tolerance on Length                                                                     |        |                  |                   |       | Screw Size      |       | Screw Length |                                                                                                                                                                                                                                                                                                                                                                                         |         |                                            |       |                    |                 |  |
|                                                                                         |        |                  |                   |       |                 |       | Thru 6"      |                                                                                                                                                                                                                                                                                                                                                                                         | Over 6" |                                            |       |                    |                 |  |
|                                                                                         |        |                  |                   |       | 1/2 and smaller |       | ±0.12        |                                                                                                                                                                                                                                                                                                                                                                                         | ±0.25   |                                            |       |                    |                 |  |
|                                                                                         |        |                  |                   |       | Over 1/2        |       | ±0.25        |                                                                                                                                                                                                                                                                                                                                                                                         | ±0.25   |                                            |       |                    |                 |  |
| Hardness<br>Tensile Strength<br>Material<br>Minimum Thread Length<br><br>Heat Treatment |        |                  |                   |       |                 |       |              | 1/4" through 1/2" Diameter Steel                                                                                                                                                                                                                                                                                                                                                        |         | 1/4" through 1/2" Diameter Stainless Steel |       |                    |                 |  |
|                                                                                         |        |                  |                   |       |                 |       |              | Rockwell                                                                                                                                                                                                                                                                                                                                                                                |         | B70 - B100                                 |       | B95 - C32          |                 |  |
|                                                                                         |        |                  |                   |       |                 |       |              | psi                                                                                                                                                                                                                                                                                                                                                                                     |         | 60,000 min                                 |       | ≈ 100,000 -125,000 |                 |  |
|                                                                                         |        |                  |                   |       |                 |       |              |                                                                                                                                                                                                                                                                                                                                                                                         |         | AISI 1006-1022 or equivalent               |       | 18-8 Stainless     |                 |  |
|                                                                                         |        |                  |                   |       |                 |       |              | The minimum thread length is 1/2 of the length of the screw plus 1/2" or 5" whichever is shorter.<br>Stainless: The alloys develop their strength through work hardening during the manufacturing process. See hardness properties above. The only heat treatment normally available is annealing which is done at approximately 1900°F to a dead soft condition and is not reversible. |         |                                            |       |                    |                 |  |

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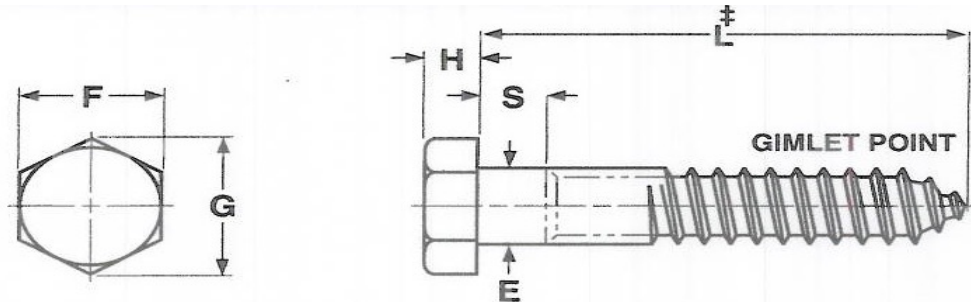


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|                                                                                         |        |                  | Shoulder Diameter |       | Width           |       |              | Width                                                                                                                                                                                                                                                                              |         | Head Height                                |       |                    | Shoulder Length |  |
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| 7/8                                                                                     | 0.8750 | 4                | 0.852             | 0.895 | 1-5/16          | 1.269 | 1.312        | 1.447                                                                                                                                                                                                                                                                              | 1.516   | 37/64                                      | 0.531 | 0.604              | 0.375           |  |
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|                                                                                         |        |                  |                   |       |                 |       |              |                                                                                                                                                                                                                                                                                    |         |                                            |       |                    |                 |  |

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