

STAINLESS STEEL HEX HEAD CAP SCREW

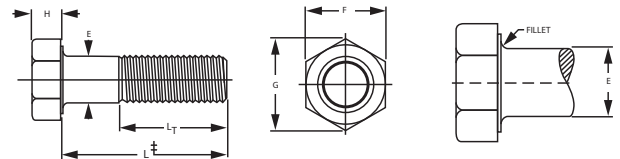
Features:

- Manufactured in type 316 stainless steel to meet any stringent sanitary condition
- Polished with standard “brite” finish to increase corrosion resistance and aesthetic appearance
- No package quantity required
- Hardness
 $\frac{1}{4}$ " through $\frac{5}{8}$ " diameter: Rockwell B95 - C32
 $\frac{3}{4}$ " through 1" diameter: Rockwell B80 - C32
- Yield Strength
 $\frac{1}{4}$ " through $\frac{5}{8}$ " diameter, 2.25D and longer: 65,000 psi. minimum
 $\frac{3}{4}$ " (2.25D & longer) & $\frac{7}{8}$ " through 1" diameter (3D & longer): 45,000 psi minimum
- Tensile Strength
 $\frac{1}{4}$ " through $\frac{5}{8}$ in. diameter, 2.25D and longer: 100,000 - 150,000 psi.
 $\frac{3}{4}$ " (2.25D & longer) & $\frac{7}{8}$ " through 1" diameter (3D & longer): 85,000 -140,000 psi



Applications:

General purpose threaded fasteners for insertion into pre-tapped holes or for use with nuts.



| Nominal or Basic Product Diameter (in) | E Body Diameter (in) | | F Width Across Flats (in) | | | G Width Across Corners (in) | | H Head Height (in) | | | L Thread Length (in) | | |
|--|----------------------|--------|---------------------------|------------------|-------|-----------------------------|-------|--------------------|-----------------|-------|---------------------------|---------------------------|-------|
| | Max | Min | Basic | Max | Min | Max | Min | Basic | Max | Min | For Screw Lengths ≤ 6 in. | For Screw Lengths > 6 in. | |
| $\frac{1}{4}$ | 0.2500 | 0.2500 | 0.2450 | $\frac{7}{16}$ | 0.438 | 0.428 | 0.505 | 0.488 | $\frac{5}{32}$ | 0.163 | 0.150 | 0.750 | 1.000 |
| $\frac{5}{16}$ | 0.3125 | 0.3125 | 0.3065 | $\frac{1}{2}$ | 0.500 | 0.489 | 0.577 | 0.557 | $\frac{3}{64}$ | 0.211 | 0.195 | 0.875 | 1.125 |
| $\frac{3}{8}$ | 0.3750 | 0.3750 | 0.3690 | $\frac{9}{16}$ | 0.562 | 0.551 | 0.650 | 0.628 | $\frac{5}{64}$ | 0.243 | 0.226 | 1.000 | 1.250 |
| $\frac{7}{16}$ | 0.4375 | 0.4375 | 0.4305 | $\frac{5}{8}$ | 0.625 | 0.612 | 0.722 | 0.698 | $\frac{9}{32}$ | 0.291 | 0.272 | 1.125 | 1.375 |
| $\frac{1}{2}$ | 0.5000 | 0.5000 | 0.4930 | $\frac{3}{4}$ | 0.750 | 0.736 | 0.866 | 0.840 | $\frac{5}{16}$ | 0.323 | 0.302 | 1.250 | 1.500 |
| $\frac{9}{16}$ | 0.5625 | 0.5625 | 0.5545 | $1\frac{1}{16}$ | 0.812 | 0.798 | 0.938 | 0.910 | $2\frac{3}{64}$ | 0.371 | 0.348 | 1.375 | 1.625 |
| $\frac{5}{8}$ | 0.6250 | 0.6250 | 0.6170 | $1\frac{5}{16}$ | 0.938 | 0.922 | 1.083 | 1.051 | $2\frac{5}{64}$ | 0.403 | 0.378 | 1.500 | 1.750 |
| $\frac{3}{4}$ | 0.7500 | 0.7500 | 0.7410 | $1\frac{1}{8}$ | 1.125 | 1.100 | 1.299 | 1.254 | $1\frac{5}{32}$ | 0.483 | 0.455 | 1.750 | 2.000 |
| $\frac{7}{8}$ | 0.8750 | 0.8750 | 0.8660 | $1\frac{5}{16}$ | 1.312 | 1.285 | 1.516 | 1.465 | $3\frac{5}{64}$ | 0.563 | 0.531 | 2.000 | 2.250 |
| 1 | 1.0000 | 1.0000 | 0.9900 | $1\frac{1}{2}$ | 1.500 | 1.469 | 1.732 | 1.675 | $3\frac{9}{64}$ | 0.627 | 0.591 | 2.250 | 2.500 |
| $1\frac{1}{8}$ | 1.1250 | 1.1250 | 1.1140 | $1\frac{11}{16}$ | 1.688 | 1.631 | 1.949 | 1.859 | $1\frac{1}{16}$ | 0.718 | 0.658 | 2.500 | 2.750 |
| $1\frac{1}{4}$ | 1.2500 | 1.2500 | 1.2390 | $1\frac{7}{8}$ | 1.875 | 1.812 | 2.165 | 2.066 | $2\frac{5}{32}$ | 0.813 | 0.749 | 2.750 | 3.000 |
| $1\frac{1}{2}$ | 1.5000 | 1.5000 | 1.4880 | $2\frac{1}{4}$ | 2.250 | 2.175 | 2.598 | 2.480 | $1\frac{1}{16}$ | 0.974 | 0.902 | 3.000 | 3.500 |

All dimensions are for informational purposes only *Tolerances +/- 5%

