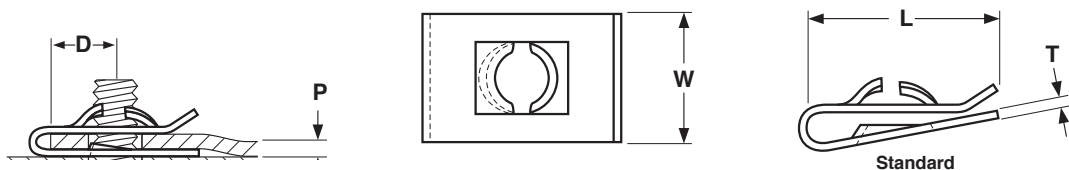


TINNERMAN® NUT ALTERNATIVES



Standard

STEEL SPRING NUTS "U" TYPE

SAE J891, Tinnerman® Palnut.*

| Industry Part Number | Screw Size | P Panel Range | L Length | W Width | D Distance Center of Hole to Edge Max | T Material Thickness | PERFORMANCE DATA | |
|----------------------|------------|------------------|-------------|------------|---|-------------------------|---|---------------------------------|
| | | | | | | | Recommended Installation Torque (lb.-in.) | Ultimate Tensile Strength (lb.) |
| | | | | | | | Max | Min |
| C8090-632-4 | 6-32 | .025-.040 | .48 | .50 | .218 | .017 | 6 | 156 |
| C8091-632-4 | 6-32 | .045-.062 | .48 | .50 | .218 | .017 | 6 | 156 |
| C8092-632-4 | 6-32 | .025-.040 | .64 | .31 | .296 | .017 | 6 | 156 |
| C8093-632-4 | 6-32 | .045-.062 | .65 | .31 | .296 | .017 | 6 | 156 |
| C8094-632-4 | 6-32 | .025-.040 | .82 | .31 | .468 | .017 | 6 | 156 |
| C8095-632-4 | 6-32 | .045-.062 | .82 | .31 | .468 | .017 | 6 | 156 |
| C8096-6-4 | 6A or B | .025-.040 | .48 | .50 | .218 | .025 | 12 | 425 |
| C8097-6-4 | 6A or B | .045-.062 | .47 | .50 | .218 | .025 | 12 | 425 |
| C8099-6-4 | 6A or B | .045-.062 | .65 | .31 | .296 | .025 | 12 | 425 |
| C8100-6-4 | 6A or B | .025-.040 | .81 | .31 | .468 | .025 | 12 | 425 |
| C8102-832-4 | 8-32 | .025-.040 | .52 | .50 | .234 | .017 | 8 | 189 |
| C8103-832-4 | 8-32 | .045-.062 | .52 | .50 | .234 | .017 | 8 | 189 |
| C8104-832-4 | 8-32 | .025-.040 | .69 | .41 | .328 | .017 | 8 | 189 |
| C8105-832-4 | 8-32 | .045-.062 | .67 | .41 | .328 | .017 | 8 | 189 |
| C8106-832-4 | 8-32 | .025-.040 | .86 | .41 | .515 | .017 | 8 | 189 |
| C8107-832-4 | 8-32 | .045-.062 | .87 | .41 | .515 | .017 | 8 | 189 |
| C14783-832-4 | 8-32 | .051-.064 | .46 | .50 | .187 | .017 | 8 | 189 |
| C8108-8-4 | 8A or B | .025-.040 | .52 | .50 | .234 | .028 | 20 | 534 |
| C8109-8-4 | 8A or B | .045-.062 | .52 | .50 | .234 | .028 | 20 | 534 |
| C8110-8-4 | 8A or B | .025-.040 | .69 | .41 | .328 | .028 | 20 | 534 |
| C8112-8-4 | 8A or B | .025-.040 | .85 | .41 | .515 | .028 | 20 | 534 |
| C8113-8-4 | 8A or B | .045-.062 | .86 | .41 | .515 | .028 | 20 | 534 |
| C8114-1024-4 | 10-24 | .025-.040 | .58 | .63 | .203 | .022 | 14 | 274 |
| C8115-1024-4 | 10-24 | .045-.062 | .56 | .63 | .250 | .022 | 14 | 274 |
| C8116-1024-4 | 10-24 | .025-.040 | .76 | .38 | .359 | .022 | 14 | 274 |
| C8117-1024-4 | 10-24 | .045-.062 | .76 | .38 | .359 | .022 | 14 | 274 |
| C8118-1024-4 | 10-24 | .025-.040 | .95 | .38 | .562 | .022 | 14 | 274 |
| C8119-1024-4 | 10-24 | .045-.062 | .95 | .38 | .562 | .022 | 14 | 274 |
| C8120-10-4 | 10A or B | .025-.040 | .56 | .63 | .250 | .031 | 35 | 672 |
| C8121-10-4 | 10A or B | .045-.062 | .56 | .63 | .250 | .031 | 35 | 672 |
| C8123-10-4 | 10A or B | .045-.062 | .76 | .50 | .359 | .031 | 35 | 672 |
| C8124-10-4 | 10A or B | .025-.040 | .96 | .50 | .562 | .031 | 35 | 672 |
| C8125-10-4 | 10A or B | .045-.062 | .95 | .50 | .562 | .031 | 35 | 672 |
| C1303-1420-4 | 1/4-20 | .064-.125 | .97 | .50 | | .025 | 35 | 570 |
| C7343-1420-4 | 1/4-20 | .062-.125 | .96 | .50 | | .025 | 35 | 570 |

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| Description | A self-retaining spring steel nut manufactured in the shape of a "U", enabling it to snap into place over the edge of a panel and hold its position. |
| Applications/Advantages | Same advantages as a J-Type nut, but used where the lower leg of the spring nut requires full bearing. |
| Material | SAE 1050 or higher carbon steel. |
| Hardness | For material thickness 0.017-0.024 in., Rockwell 30N C40 minimum, C50 maximum. For material thickness 0.025-0.039 in., Rockwell 45N C40 minimum, C50 maximum. |
| Plating | See Appendix-A for information on the plating of steel spring nuts. |

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