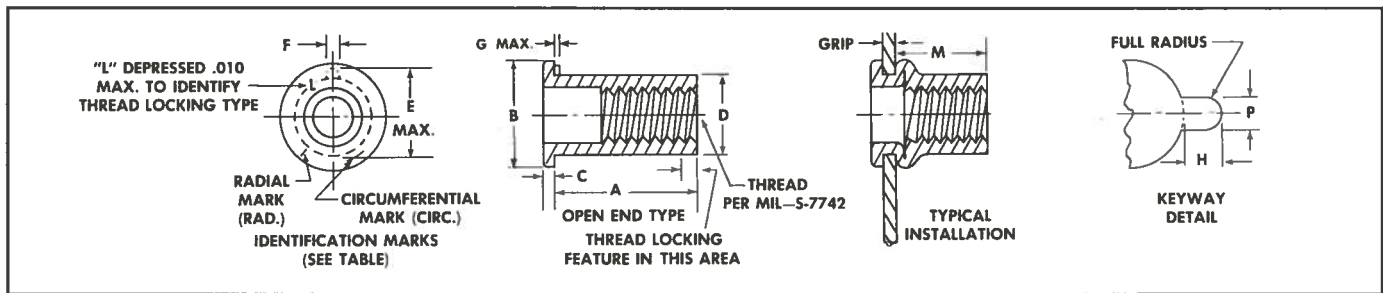


Flat head UNILOCK® fastener — Unified Thread System



UNILOCK RIVNUTS® are one-piece blind fasteners (installed from one side of the work) with internal threads to provide a sturdy nut plate.

They are crimped at the end to provide a thread locking feature. This provides an all-metal interference fit between attaching screw and the threads in the UNILOCK RIVNUT shank. The screw stays locked in place, assures a tight assembly, and resists vibration.

Made from high strength alloy steel, they meet the strength and torque requirements of MIL-N-25027 for lock type nuts. Available in countersunk and flat head styles, keyed, open-end only.

Engineering data

| First No. of Type No. | Thread Size | B ±.015 | C Nom. | D +.000 -.004 | E Max. | F +.005 -.000 | G Max. | Install Drill size (Ref.) | Install Hole size | | Keyway Dimensions | | Axial Tensile Strength |
|-----------------------|----------------|------------|-----------|---------------------|-----------|---------------------|-----------|---------------------------|-------------------|------|-------------------|-----------|------------------------|
| | | | | | | | | | Min. | Max. | P+.003 -.000 | H | Lbs.—Min. |
| 4 | # 4-40 UNC-3B | .270 | .025 | .155 | .198 | .054 | .023 | 5/32 | .156 | .158 | .062 | .046-.048 | 1170 |
| 6 | # 6-32 UNC-3B | .325 | .032 | .189 | .240 | .054 | .023 | #12 | .190 | .193 | .062 | .056-.058 | 1690 |
| 8 | # 8-32 UNC-3B | .357 | .032 | .221 | .271 | .054 | .023 | # 2 | .222 | .226 | .062 | .056-.058 | 2570 |
| 10 | #10-32 UNF-3B | .406 | .038 | .250 | .302 | .054 | .023 | E | .256 | .256 | .062 | .056-.058 | 4130 |
| 25 | 1/4-28 UNF-3B | .475 | .058 | .332 | .382 | .054 | .035 | Q | .333 | .338 | .062 | .056-.058 | 6590 |
| 31 | 5/16-24 UNF-3B | .665 | .062 | .413 | .505 | .120 | .040 | Z | .414 | .423 | .128 | .097-.102 | 9040 |
| 37 | 3/8-24 UNF-3B | .781 | .088 | .490 | .597 | .120 | .040 | 12.5 MM | .491 | .500 | .128 | .110-.115 | 12,700 |
| 50 | 1/2-20 UNF-3B | .906 | .085 | .625 | .733 | .120 | .040 | 5/8 | .626 | .635 | .128 | .110-.115 | Not Available |

| RIVNUT Part Number | NAS Part Number | Grip † Range | Ident. Mark | A ±.015 | M Nom. | Weight Lbs./1000 |
|--------------------|-----------------|--------------|-------------|------------|-----------|---------------------|
| CH4K60L | NAS1329H04K60L | .010-.060 | BLANK | .345 | .230 | 1.3 |
| CH4K85L | NAS1329H04K85L | .060-.085 | 1 RAD. | .370 | .230 | 1.4 |
| CH4K110L | NAS1329H04K110L | .085-.110 | 2 RAD. | .400 | .230 | 1.4 |
| CH4K135L | NAS1329H04K135L | .110-.135 | 3 RAD. | .425 | .230 | 1.5 |
| CH4K160L | NAS1329H04K160L | .135-.160 | 4 RAD. | .450 | .230 | 1.5 |
| CH6K75L | NAS1329H06K75L | .010-.075 | 1 RAD. | .438 | .300 | 2.4 |
| CH6K120L | NAS1329H06K120L | .075-.120 | 3 RAD. | .500 | .315 | 2.6 |
| CH6K160L | NAS1329H06K160L | .120-.160 | 5 RAD. | .500 | .270 | 2.6 |
| CH6K200L | NAS1329H06K200L | .160-.200 | 1 CIRC. | .562 | .290 | 2.8 |
| CH6K240L | NAS1329H06K240L | .200-.240 | 2 CIRC. | .625 | .310 | 3.0 |
| CH8K75L | NAS1329H08K75L | .010-.075 | 1 RAD. | .438 | .300 | 3.0 |
| CH8K120L | NAS1329H08K120L | .075-.120 | 3 RAD. | .500 | .315 | 3.3 |
| CH8K160L | NAS1329H08K160L | .120-.160 | 5 RAD. | .500 | .270 | 3.2 |
| CH8K200L | NAS1329H08K200L | .160-.200 | 1 CIRC. | .625 | .350 | 3.9 |
| CH8K240L | NAS1329H08K240L | .200-.240 | 2 CIRC. | .625 | .305 | 3.8 |
| CH10K80L | NAS1329H3K80L | .010-.080 | BLANK | .531 | .380 | 4.5 |
| CH10K130L | NAS1329H3K130L | .080-.130 | 1 RAD. | .594 | .390 | 4.9 |
| CH10K180L | NAS1329H3K180L | .130-.180 | 2 RAD. | .641 | .390 | 5.1 |
| CH10K230L | NAS1329H3K230L | .180-.230 | 3 RAD. | .703 | .395 | 5.4 |
| CH10K280L | NAS1329H3K280L | .230-.280 | 4 RAD. | .750 | .395 | 5.7 |
| CH2528K80L | NAS1329H4K80L | .020-.080 | BLANK | .625 | .450 | 9.7 |
| CH2528K140L | NAS1329H4K140L | .080-.140 | 1 RAD. | .687 | .450 | 10.3 |
| CH2528K200L | NAS1329H4K200L | .140-.200 | 2 RAD. | .750 | .450 | 10.9 |
| CH2528K260L | NAS1329H4K260L | .200-.260 | 3 RAD. | .812 | .445 | 11.5 |
| CH2528K320L | NAS1329H4K320L | .260-.320 | 4 RAD. | .875 | .445 | 12.0 |
| CH3124K125L | NAS1329H5K125L | .050-.125 | BLANK | .750 | .505 | 18.2 |
| CH3124K200L | NAS1329H5K200L | .125-.200 | 1 RAD. | .875 | .555 | 20.3 |
| CH3124K275L | NAS1329H5K275L | .200-.275 | 2 RAD. | .937 | .540 | 21.1 |
| CH3124K350L | NAS1329H5K350L | .275-.350 | 3 RAD. | 1.032 | .560 | 22.6 |
| CH3724K115L | NAS1329H6K115L | .030-.115 | BLANK | .844 | .585 | 29.7 |
| CH3724K200L | NAS1329H6K200L | .115-.200 | 1 RAD. | .938 | .595 | 31.4 |
| CH3724K285L | NAS1329H6K285L | .200-.285 | 2 RAD. | 1.031 | .605 | 33.2 |
| CH3724K370L | NAS1329H6K370L | .285-.370 | 3 RAD. | 1.125 | .615 | 34.9 |
| CH5020K150L | SEE BELOW* | .050-.150 | BLANK | .906 | .605 | 42.6 |
| CH5020K250L | | .150-.250 | 1 RAD. | 1.031 | .630 | 46.3 |
| CH5020K350L | | .250-.350 | 2 RAD. | 1.141 | .640 | 49.2 |
| CH5020K450L | | .350-.450 | 3 RAD. | 1.250 | .650 | 52.2 |

*The 1/2" thread size RIVNUTS are of new design and at the present time are not covered by NAS standards.

†Additional Grip Ranges are available.