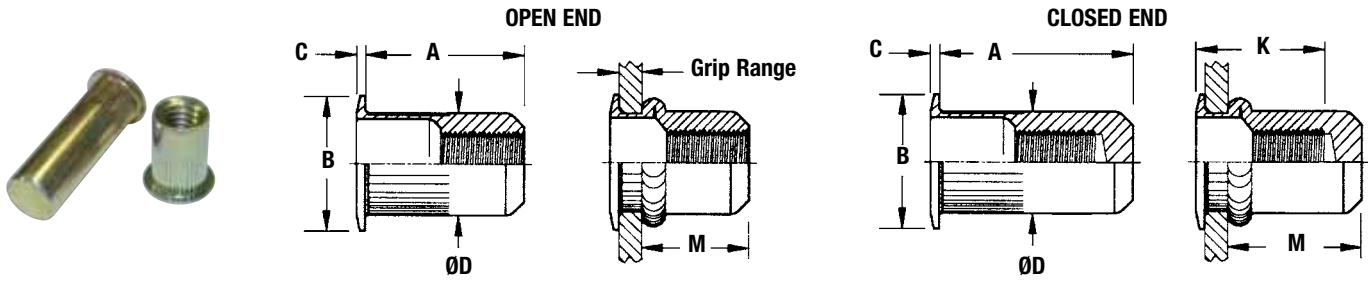


- Feature a large diameter, low-profile head and knurled shank.
- Offers highest all around strength.



All dimensions are in inches.

| Thread Size (1) | Part Number (2) | Grip Range (1) | Open | | | | | Closed | | | | | | Hole Size In Sheet +.006 -.000 |
|-----------------|-----------------|----------------|---------|---------|--------|---------|--------|---------|---------|--------|---------|--------|--------|--------------------------------|
| | | | A ±.015 | B ±.015 | C Nom. | ØD Max. | M Ref. | A ±.015 | B ±.015 | C Nom. | ØD Max. | K Min. | M Ref. | |
| #6-32 | AELS8-632-80 | .020 - .080 | .420 | .390 | .030 | .265 | .305 | .740 | .390 | .030 | .265 | .43 | .640 | .266 |
| #6-32 | AELS8-632-130 | .080 - .130 | .470 | .390 | .030 | .265 | .305 | .740 | .390 | .030 | .265 | .43 | .580 | .266 |
| #8-32 | AELS8-832-80 | .020 - .080 | .420 | .390 | .030 | .265 | .305 | .740 | .390 | .030 | .265 | .43 | .640 | .266 |
| #8-32 | AELS8-832-130 | .080 - .130 | .470 | .390 | .030 | .265 | .305 | .740 | .390 | .030 | .265 | .43 | .580 | .266 |
| #10-32 | AELS8-1032-130 | .020 - .130 | .475 | .415 | .030 | .296 | .315 | .990 | .415 | .030 | .296 | .58 | .845 | .297 |
| #10-32 | AELS8-1032-225 | .130 - .225 | .585 | .415 | .030 | .296 | .315 | .990 | .415 | .030 | .296 | .58 | .735 | .297 |
| 1/4-20 | AELS8-420-165 | .027 - .165 | .580 | .500 | .030 | .390 | .380 | 1.190 | .500 | .030 | .390 | .70 | 1.005 | .391 |
| 1/4-20 | AELS8-420-260 | .165 - .260 | .680 | .500 | .030 | .390 | .380 | 1.190 | .500 | .030 | .390 | .70 | .905 | .391 |
| 5/16-18 | AELS8-518-150 | .027 - .150 | .690 | .685 | .035 | .530 | .470 | 1.390 | .685 | .035 | .530 | .82 | 1.175 | .531 |
| 5/16-18 | AELS8-518-312 | .150 - .312 | .805 | .685 | .035 | .530 | .425 | 1.390 | .685 | .035 | .530 | .82 | 1.025 | .531 |
| 3/8-16 | AELS8-616-150 | .027 - .150 | .690 | .685 | .035 | .530 | .470 | 1.390 | .685 | .035 | .530 | .83 | 1.175 | .531 |
| 3/8-16 | AELS8-616-312 | .150 - .312 | .805 | .685 | .035 | .530 | .425 | 1.390 | .685 | .035 | .530 | .83 | 1.025 | .531 |
| 1/2-13 | AELS8-813-200 | .063 - .200 | 1.150 | .865 | .047 | .685 | .850 | 1.960 | .865 | .047 | .685 | 1.10 | 1.665 | .688 |
| 1/2-13 | AELS8-813-350 | .200 - .350 | 1.300 | .865 | .047 | .685 | .850 | 1.960 | .865 | .047 | .685 | 1.10 | 1.515 | .688 |
| 1/2-13 | AELS8-813-500 | .350 - .500 | 1.450 | .865 | .047 | .685 | .850 | 1.960 | .865 | .047 | .685 | 1.10 | 1.315 | .688 |

All dimensions are in millimeters.

| Thread Size x Pitch (1) | Part Number (2) | Grip Range (1) | Open | | | | | Closed | | | | | | Hole Size In Sheet +0.15 |
|-------------------------|-----------------|----------------|---------|---------|--------|---------|--------|---------|---------|--------|---------|--------|--------|--------------------------|
| | | | A ±0.38 | B ±0.38 | C Nom. | ØD Max. | M Ref. | A ±0.38 | B ±0.38 | C Nom. | ØD Max. | K Min. | M Ref. | |
| M4 x 0.7 | AELS8-470-2.0 | 0.5 - 2 | 10.67 | 9.91 | 0.76 | 6.73 | 7.75 | 18.8 | 9.91 | 0.76 | 6.73 | 11.6 | 16.26 | 6.75 |
| M4 x 0.7 | AELS8-470-3.3 | 2 - 3.3 | 11.94 | 9.91 | 0.76 | 6.73 | 7.75 | 18.8 | 9.91 | 0.76 | 6.73 | 11.6 | 14.73 | 6.75 |
| M5 x 0.8 | AELS8-580-3.3 | 0.5 - 3.3 | 12.07 | 10.54 | 0.76 | 7.52 | 8 | 25.15 | 10.54 | 0.76 | 7.52 | 15.6 | 21.46 | 7.6 |
| M5 x 0.8 | AELS8-580-5.7 | 3.3 - 5.7 | 14.86 | 10.54 | 0.76 | 7.52 | 8 | 25.15 | 10.54 | 0.76 | 7.52 | 15.6 | 18.67 | 7.6 |
| M6 x 1 | AELS8-610-4.2 | 0.7 - 4.2 | 14.73 | 12.7 | 0.76 | 9.91 | 9.65 | 30.23 | 12.7 | 0.76 | 9.91 | 17.5 | 25.53 | 10 |
| M6 x 1 | AELS8-610-6.6 | 4.2 - 6.6 | 17.27 | 12.7 | 0.76 | 9.91 | 9.65 | 30.23 | 12.7 | 0.76 | 9.91 | 17.5 | 22.99 | 10 |
| M8 x 1.25 | AELS8-8125-3.8 | 0.7 - 3.8 | 17.53 | 17.4 | 0.89 | 13.46 | 11.94 | 35.31 | 17.4 | 0.89 | 13.46 | 20.2 | 29.85 | 13.5 |
| M8 x 1.25 | AELS8-8125-7.9 | 3.8 - 7.9 | 20.45 | 17.4 | 0.89 | 13.46 | 10.8 | 35.31 | 17.4 | 0.89 | 13.46 | 20.2 | 26.04 | 13.5 |
| M10 x 1.5 | AELS8-1015-3.8 | 0.7 - 3.8 | 17.53 | 17.4 | 0.89 | 13.46 | 11.94 | 35.31 | 17.4 | 0.89 | 13.46 | 20.8 | 29.85 | 13.5 |
| M10 x 1.5 | AELS8-1015-7.9 | 3.8 - 7.9 | 20.45 | 17.4 | 0.89 | 13.46 | 10.8 | 35.31 | 17.4 | 0.89 | 13.46 | 20.8 | 26.04 | 13.5 |

(1) Additional thread sizes and grip ranges available.

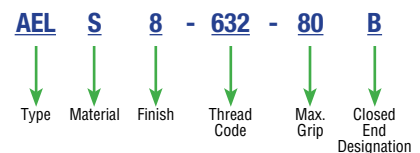
(2) For closed end, add a "B" to the end of the part number.

MATERIAL & FINISH SPECIFICATIONS

| Type | Threads | Standard Material ⁽³⁾ | Standard Finish |
|-----------|---|----------------------------------|---|
| AEL / AEK | Unified, 2B per ASME B1.1 Metric, 6H per ASME B1.13M | Low Carbon Steel | RoHS Compliant Zinc Yellow Plus Lubricant |

(3) Other materials available. See page 34 for details.

Part Number Designation



SEE PAGE 34 FOR MORE DETAIL