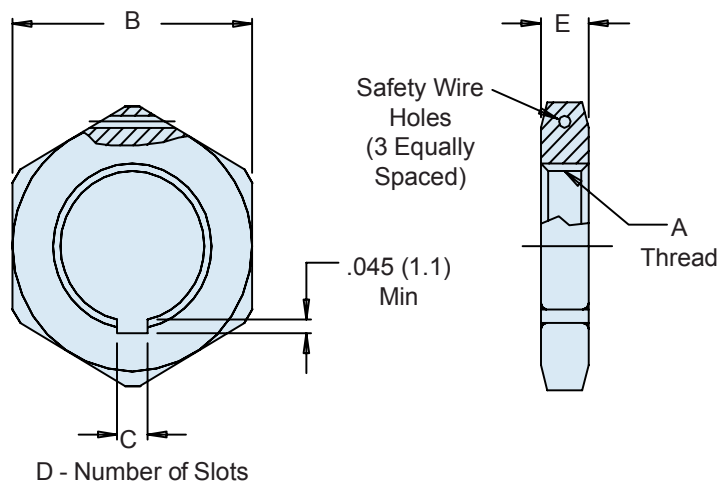


# MS3186 Jam Nut



| Basic Part Number                                                                                                                                                                                                                                   | Material                              | Dash No. | Finish |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------|--------|
| MS3186                                                                                                                                                                                                                                              | A = Aluminum<br>S = Steel<br>C = CRES | A - 113  |        |
|                                                                                                                                                                                                                                                     |                                       | B        |        |
| A = Black Anodize<br>B = Black Cadmium over Corrosion Resistant Steel<br>C = Clear Cadmium<br>E = Electrodeposited Nickel<br>N = Electroless Nickel (Space Use Only)<br>P = Passivated<br>W = 1,000 Hour Cadmium Olive Drab over Electroless Nickel |                                       |          |        |

TABLE I: Reference for Connector Shell Size

| Dash No. | AS50151   | MIL-DTL-26482 | MIL-DTL-26500 | MIL-DTL-83723 I | MIL-DTL-83723 III | MIL-DTL-38999 I | MIL-DTL-38999 II | MIL-DTL-28840 | MIL-DTL-27599 |
|----------|-----------|---------------|---------------|-----------------|-------------------|-----------------|------------------|---------------|---------------|
| 101      | 8S        | --            | --            | --              | --                | --              | --               | --            | --            |
| 102      | --        | 8             | --            | 8               | --                | --              | --               | --            | --            |
| 103      | 10S, 10SL | --            | --            | --              | --                | --              | --               | --            | --            |
| 104      | --        | --            | 8             | --              | --                | --              | --               | --            | --            |
| 105      | --        | --            | --            | --              | 8                 | --              | --               | --            | --            |
| 106      | --        | 10            | --            | 10              | --                | 9               | --               | --            | 9             |
| 107      | 12S, 12   | --            | 10            | --              | 10                | --              | --               | --            | --            |
| 108      | --        | --            | --            | --              | --                | 11              | --               | --            | 11            |
| 109      | 14S, 14   | 12            | --            | 12              | --                | --              | 8                | 11            | 8             |
| 110      | --        | --            | 12            | --              | 12                | --              | --               | --            | --            |
| 111      | 16S, 16   | 14            | 14            | 14              | 14                | 13              | 10               | 13            | 10, 13        |
| 112      | --        | --            | 16            | --              | 16 Bay            | --              | --               | --            | --            |
| 113      | 18        | 16            | --            | 16              | 16 Thd            | 15              | 12               | --            | 12, 15        |
| 114      | --        | --            | --            | --              | --                | --              | --               | 15            | --            |
| 115      | --        | --            | 18            | --              | --                | --              | --               | --            | 14, 17        |
| 116      | 20        | 18            | --            | 18              | 18                | 17              | 14               | 17            | --            |
| 117      | 22        | 20            | 20            | 20              | 20                | 19              | 16               | --            | 16, 19        |
| 118      | --        | --            | --            | --              | --                | --              | --               | 19            | --            |
| 119      | --        | --            | 22            | --              | --                | --              | --               | --            | --            |
| 120      | 24        | 22            | --            | 22              | 22                | 21              | 18               | --            | 18, 21        |
| 121      | --        | 24            | 24            | 24              | 24                | 23              | 20               | 23            | 20, 23        |
| 122      | 28        | --            | --            | --              | --                | 25              | 22               | 25            | 22, 25        |
| 123      | --        | --            | --            | --              | --                | --              | 24               | --            | 24            |
| 124      | --        | --            | --            | --              | --                | --              | --               | 29            | --            |
| 125      | 32        | --            | --            | --              | --                | --              | --               | --            | --            |
| 126      | --        | --            | --            | --              | --                | --              | --               | 33            | --            |
| 127      | 36        | --            | --            | --              | --                | --              | --               | --            | --            |
| 128      | 40        | --            | --            | --              | --                | --              | --               | --            | --            |
| 129      | 44        | --            | --            | --              | --                | --              | --               | --            | --            |
| 130      | 48        | --            | --            | --              | --                | --              | --               | --            | --            |

TABLE I: Reference for Connector Shell Size

| Dash No. | A Thread            | B     |        | C Max      | D Min. No. of Slots | Ø E   |       |
|----------|---------------------|-------|--------|------------|---------------------|-------|-------|
|          |                     | ±.017 | (.4)   |            |                     | ±.017 | (.4)  |
| 101      | .500 -28 UNEF-2B    | .687  | (17.4) | None       | None                | .125  | (3.2) |
| 102      | .5625 - 24 UNEF-2B  | .750  | (19.1) | .135 (3.4) | 2                   | .125  | (3.2) |
| 103      | .625 - 24 UNEF-2B   | .812  | (20.6) | None       | None                | .125  | (3.2) |
| 104      | .625 - 20 UN-2B     | .812  | (20.6) | .135 (3.4) | 2                   | .125  | (3.2) |
| 105      | .625 - 20 UN-2B     | .812  | (20.6) | None       | None                | .125  | (3.2) |
| 106      | .6875 - 24 UNEF-2B  | .875  | (22.2) | .135 (3.4) | 1                   | .125  | (3.2) |
| 107      | .750 - 20 UNEF-2B   | .937  | (23.8) | None       | None                | .125  | (3.2) |
| 108      | .8125 - 20 UNEF-2B  | 1.000 | (25.4) | .135 (3.4) | 1                   | .125  | (3.2) |
| 109      | .875 - 20 UNEF-2B   | 1.062 | (27.0) | .135 (3.4) | 1                   | .125  | (3.2) |
| 110      | .9375 - 20 UNEF-2B  | 1.123 | (28.5) | None       | None                | .125  | (3.2) |
| 111      | 1.000 - 20 UNEF-2B  | 1.188 | (30.2) | .135 (3.4) | 1                   | .125  | (3.2) |
| 112      | 1.125 - 20 UN-2B    | 1.312 | (33.3) | .135 (3.4) | 1                   | .125  | (3.2) |
| 113      | 1.125 - 18 UNEF-2B  | 1.312 | (33.3) | .135 (3.4) | 1                   | .125  | (3.2) |
| 114      | 1.1875 - 18 UNEF-2B | 1.375 | (34.9) | None       | None                | .125  | (3.2) |
| 115      | 1.250 - 20 UN-2B    | 1.438 | (36.5) | None       | None                | .125  | (3.2) |
| 116      | 1.250 - 18 UNEF-2B  | 1.438 | (36.5) | .135 (3.4) | 1                   | .125  | (3.2) |
| 117      | 1.375 - 18 UNEF-2B  | 1.562 | (39.7) | .192 (4.9) | 1                   | .125  | (3.2) |
| 118      | 1.4375 - 18 UNEF-2B | 1.625 | (41.3) | None       | None                | .125  | (3.2) |
| 119      | 1.500 - 20 UN-2B    | 1.688 | (42.9) | None       | None                | .125  | (3.2) |
| 120      | 1.500 - 18 UNEF-2B  | 1.688 | (42.9) | .192 (4.9) | 1                   | .125  | (3.2) |
| 121      | 1.625 - 18 UNEF-2B  | 1.812 | (46.0) | .192 (4.9) | 1                   | .125  | (3.2) |
| 122      | 1.750 - 18 UNS-2B   | 2.000 | (50.8) | .192 (4.9) | 1                   | .125  | (3.2) |
| 123      | 1.875 - 16 UN-2B    | 2.125 | (54.0) | None       | None                | .125  | (3.2) |
| 124      | 1.9375 - 16 UN-2B   | 2.187 | (55.5) | None       | None                | .189  | (4.8) |
| 125      | 2.000 - 18 UNS-2B   | 2.250 | (57.2) | None       | None                | .189  | (4.8) |
| 126      | 2.125 - 16 UN-2B    | 2.375 | (60.3) | None       | None                | .189  | (4.8) |
| 127      | 2.250 - 16 UN-2B    | 2.500 | (63.5) | None       | None                | .189  | (4.8) |
| 128      | 2.500 - 16 UN-2B    | 2.750 | (69.9) | None       | None                | .189  | (4.8) |
| 129      | 2.750 - 16 UN-2B    | 3.000 | (76.2) | None       | None                | .189  | (4.8) |
| 130      | 3.000 - 16 UN-2B    | 3.250 | (82.6) | None       | None                | .189  | (4.8) |

APPLICATION NOTES

1. Assembly identified with manufacturer's name and part number, space permitting.
2. For complete dimensions, see the applicable Military Specification.
3. Metric dimensions (mm) are in parentheses.