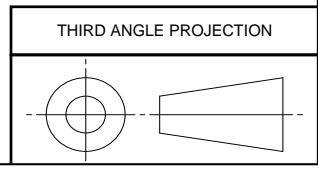


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|---|---|------------------------------|-----------|
| REV. A | AS29600/7 | FEDERAL SUPPLY CLASS 5935 | |
| RATIONALE | | | |
| THE C1 COMMITTEE HAS RECOMMENDED STABILIZATION OF THIS DOCUMENT BASED ON NO QPL SOURCES AND NO KNOWN USAGE. ANY EDITORIAL OR TECHNICAL CHANGES NEEDED TO ALIGN THIS DOCUMENT WITH SIMILAR CURRENTLY PUBLISHED DETAIL SHEETS SHALL BE MADE AT SUCH TIME A POTENTIAL SOURCE REQUESTS AUTHORIZATION TO QUALIFY TO THIS DOCUMENT. | | | |
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| <div style="border: 1px solid black; padding: 5px; text-align: center;"><p>SAE values your input. To provide feedback on this Technical Report, please visit http://www.sae.org/technical/standards/AS29600/7A</p></div> | | | |
| <div style="text-align: right; margin-bottom: 10px;">THIRD ANGLE PROJECTION</div>  | | | |
| CUSTODIAN: AE-8/AE-8C1 | PROCUREMENT SPECIFICATION: NONE | | |
|  | AEROSPACE STANDARD CONNECTORS, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, THREADED, ENVIRONMENT RESISTANT, REMOVABLE CRIMP CONTACTS, NUT, HEXAGON, CONNECTOR MOUNTING | AS29600/7 | REV. A |

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-C-29600/7 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-C-29600/7. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

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UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

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|  | AEROSPACE STANDARD | AS29600/7 SHEET 1 OF 4 | REV. A |
|---|--|---------------------------|-----------|
| | CONNECTORS, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, THREADED, ENVIRONMENT RESISTANT, REMOVABLE CRIMP CONTACTS, NUT, HEXAGON, CONNECTOR MOUNTING | | |

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE CONNECTORS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST REVISION OF MIL-C-29600.

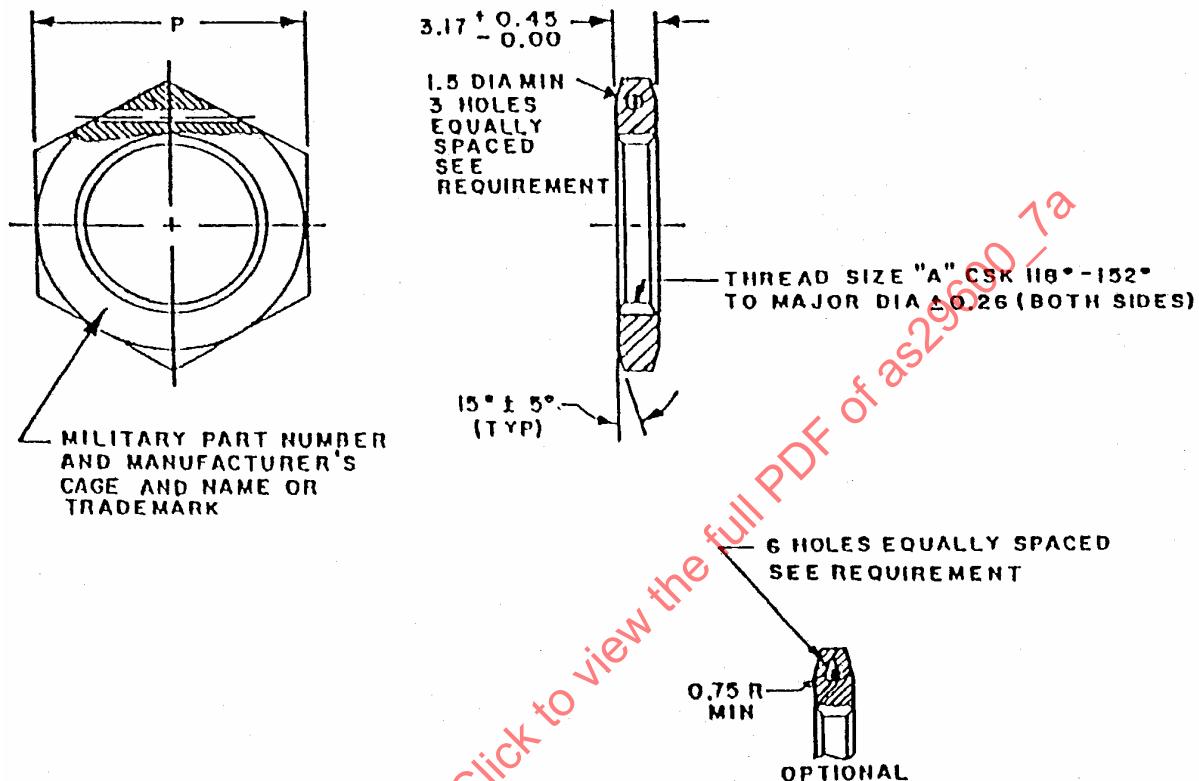


FIGURE 1. NUT, HEXAGON.

| SAE INTERNATIONAL | AEROSPACE STANDARD | AS29600/7 SHEET 2 OF 4 | REV. A |
|----------------------|---|---------------------------|-----------|
| | CONNECTORS, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, THREADED, ENVIRONMENT RESISTANT, REMOVABLE CRIMP CONTACTS, NUT, HEXAGON, CONNECTOR MOUNTING | | |

| DASH NO. | SHELL SIZE | | A THREAD SIZE | (METRIC) P HEX | TORQUE VALUE (IN/LB) |
|----------|------------|----|----------------|----------------|----------------------|
| 1 | 8 | 9 | M17X1.0-0.100R | 21.82 24.00 | 60 |
| 2 | 10 | 11 | M20X1.0-0.100R | 24.99 27.00 | 73 |
| 3 | -- | 13 | M25X1.0-0.100R | 29.77 32.00 | 100 |
| 4 | 14 | 15 | M28X1.0-0.100R | 32.91 36.00 | 113 |
| 5 | 16 | 17 | M32X1.0-0.100R | 36.12 37.00 | 153 |
| 6 | 18 | 19 | M38X1.0-0.100R | 42.47 46.00 | 187 |
| 7 | 20 | 21 | M41X1.0-0.100R | 45.61 50.00 | 213 |
| 8 | 22 | 23 | M44X1.0-0.100R | 49.25 51.23 | 233 |
| 9 | 24 | 25 | M44X1.0-0.100R | 49.25 51.23 | 250 |

| INCHES | MM |
|--------|-------|
| .01 | 0.254 |
| .26 | 6.60 |
| .45 | 11.43 |
| 1.500 | 38.10 |
| 3.17 | 80.52 |

NOTES:

1. DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.
2. METRIC EQUIVALENTS ARE BASED ON 1 INCH = 25.4 MM.
3. DIMENSIONS APPLY AFTER PLATING.

REQUIREMENTS:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.

MATERIAL: SEE MIL-C-29600.

APPLICABLE CONNECTORS: MIL-C-29600/21 AND /11.

SAFETY WIRE HOLE PULLOUT: SAFETY WIRE HOLES SHALL NOT PULL OUT WHEN SAFETY WIRE NI-CU ALLOY (MONEL) OR NI-CR ALLOY (INCONEL) 0.51 MM DIAMETER IN ACCORDANCE WITH MS20995 IS THREADED THROUGH A HOLE AND A PULL OF 133.5 N MINIMUM IS APPLIED. THREE PULLS SHALL BE MADE, ONE PARALLEL WITH AXIS OF NUT IN EACH DIRECTION AND ONE PERPENDICULAR TO AXIS OF NUT.

MAXIMUM INSTALLATION TORQUE: SEE TABLE.

|  | AEROSPACE STANDARD | | AS29600/7 | REV. A |
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