

INCH-POUND

MS27558D

6 February 2004

SUPERSEDING

MS27558C (USAF)

31 January 1994

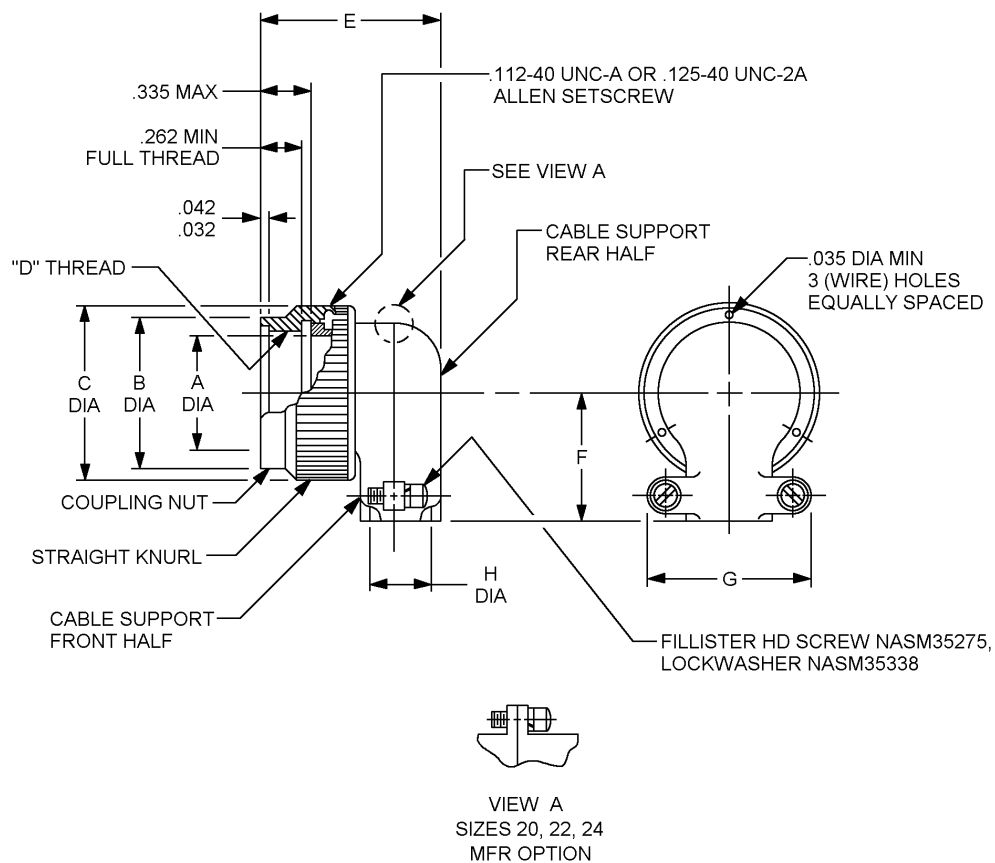
DETAIL SPECIFICATION SHEET

SUPPORT, CABLE, RIGHT ANGLE, CLOSED

Inactive for Air Force new design after of 14 November 1977.

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification sheet and MIL-DTL-26500.

FIGURE 1. Dimensions and configuration.

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| MS Part or Identifying Number (PIN) | Size | A dia | B dia max | C dia max |
|---|------|----------|-----------------|-----------------|
| MS27558-1 | 8 | .348 | .532 | .672 |
| MS27558-2 | 10 | .440 | .657 | .797 |
| MS27558-3 | 12 | .600 | .845 | 1.016 |
| MS27558-4 | 14 | .684 | .907 | 1.110 |
| MS27558-5 | 16 | .789 | 1.032 | 1.234 |
| MS27558-6 | 18 | .922 | 1.157 | 1.360 |
| MS27558-7 | 20 | 1.053 | 1.282 | 1.485 |
| MS27558-8 | 22 | 1.172 | 1.407 | 1.610 |
| MS27558-9 | 24 | 1.302 | 1.532 | 1.735 |

| MS PIN | D Thread UNEF-28 | E max | F max | G max | H dia |
|-----------|------------------------|----------|----------|----------|----------|
| MS27558-1 | .4375-28 | 1.200 | .602 | .892 | .240 |
| MS27558-2 | .5625-24 | 1.320 | .650 | 1.072 | .365 |
| MS27558-3 | .750-20 | 1.320 | .740 | 1.072 | .365 |
| MS27558-4 | .8125-20 | 1.487 | .775 | 1.108 | .515 |
| MS27558-5 | .9375-20 | 1.470 | .830 | 1.108 | .515 |
| MS27558-6 | 1.0625-18 | 1.588 | .897 | 1.233 | .640 |
| MS27558-7 | 1.1875-18 | 1.759 | .955 | 1.477 | .775 |
| MS27558-8 | 1.3125-18 | 1.759 | 1.015 | 1.477 | .775 |
| MS27558-9 | 1.4375-18 | 2.027 | 1.077 | 1.727 | 1.060 |

FIGURE 1. Dimensions and configuration.

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| Inches | mm | Inches | mm | Inches | mm | Inches | mm | Inches | mm |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| .010 | .25 | .532 | 13.51 | .830 | 21.08 | 1.072 | 27.23 | 1.360 | 34.54 |
| .032 | .81 | .600 | 15.24 | .845 | 21.46 | 1.077 | 27.36 | 1.407 | 35.74 |
| .035 | .89 | .602 | 15.29 | .892 | 22.66 | 1.108 | 28.14 | 1.470 | 37.34 |
| .042 | 1.07 | .640 | 16.26 | .997 | 22.78 | 1.110 | 28.19 | 1.477 | 37.52 |
| .240 | 6.10 | .650 | 16.51 | .907 | 23.04 | 1.157 | 29.39 | 1.485 | 37.72 |
| .262 | 6.65 | .657 | 16.69 | .922 | 23.42 | 1.172 | 29.77 | 1.532 | 38.91 |
| .335 | 8.51 | .672 | 17.07 | .955 | 24.26 | 1.200 | 30.48 | 1.588 | 40.34 |
| .348 | 8.84 | .684 | 17.37 | 1.015 | 25.78 | 1.233 | 31.32 | 1.610 | 40.89 |
| .365 | 9.27 | .740 | 18.80 | 1.016 | 25.81 | 1.234 | 31.34 | 1.727 | 43.87 |
| .440 | 11.18 | .775 | 19.68 | 1.032 | 26.21 | 1.282 | 32.56 | 1.735 | 44.07 |
| .487 | 12.37 | .789 | 20.04 | 1.053 | 26.75 | 1.302 | 33.07 | 1.750 | 44.45 |
| .515 | 13.08 | .797 | 20.24 | 1.060 | 26.92 | 1.320 | 33.53 | 2.027 | 51.49 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are $\pm .010$.

FIGURE 1. Dimensions and configuration – Continued.

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REQUIREMENTS

Design and construction:

Dimensions and configuration: See figure 1.

Coupling nut securely captivated to cable support and has provisions for locking in an indexed position.

Material and finish:

Aluminum components anodize in accordance with MIL-A-8625 or suitable hard anodizing process to meet the performance requirements of MIL-DTL-26500.

Cable support material: Aluminum alloy in accordance with ASTM B26 composition 13, A13, A380, or 380.

Coupling nut material: Aluminum alloy in accordance with ASTM B211 or SAE-AMS-QQ-A-367.

Threads shall be in accordance with MIL-S-7742.

Part or Identifying Number (PIN): MS27558- (see figure 1 tables for dash numbers).

Referenced documents. In addition to MIL-DTL-26500, this document references the following:

ASTM B26
ASTM B211
MIL-A-8625
MIL-DTL-26500
MIL-S-7742
SAE-AMS-QQ-A-367
NASM35275
NASM35338

CONCLUDING MATERIAL

Custodians:

Air Force – 11
DLA – CC

Preparing activity:

DLA – CC

Review activity:

Air Force – 99

(Project 5935–4419–012)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.