

PED. SUP CLASS  
5325

NOTES:

1. MATERIAL: ALL COMPONENTS ARE BRASS EXCEPT WHERE OTHERWISE SPECIFIED.
2. FINISH:
  - A. BRIGHT BRASS.
  - B. BLACK.
  - C. NICKEL PLATE.
  - D. BRIGHT CHROME PLATE.
3. PROTECTIVE TREATMENT: STEEL PARTS ARE ZINC PLATED.
4. DIMENSIONS: IN INCHES.
5. TOLERANCES: PLUS OR MINUS 1/64 INCH EXCEPT WHERE OTHERWISE NOTED (FOR INFORMATION PURPOSES ONLY). PRODUCTION TOLERANCES IN ACCORDANCE WITH DRAWINGS REFERENCED IN SPECIFICATION MIL-F-10884.
6. FOR DESIGN FEATURE SELECTION PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
7. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
8. COMPONENT PARTS OF THE SAME FASTENER SHALL BE PROCURED FROM THE SAME MANUFACTURER.
9. SEE INTERCHANGEABILITY TABLE I ON SHEET 11 FOR CROSS-REFERENCING.

Ⓣ REDRAWN; DELETED: DASH NUMBERS 7, 7B, 7N, 7C, 37, 49, 49B, 49N, 49C, 52, 52B, 52N, AND 52C.

APPROVED  
Ⓣ REVISED  
30 APRIL 1986

|  |                        |   |                   |         |
|--|------------------------|---|-------------------|---------|
| P. A. ARMY-GL<br>Other Cost<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD |         |
|  |                        |   | MS                | 27977   |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884               | SUPERSEDES:            | AN 227 (IN PART); BMAX7                                   | SHEET             | 1 OF 11 |

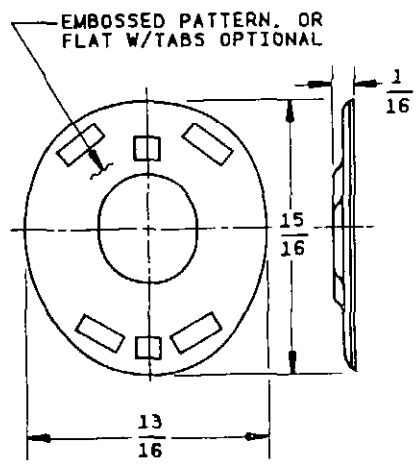
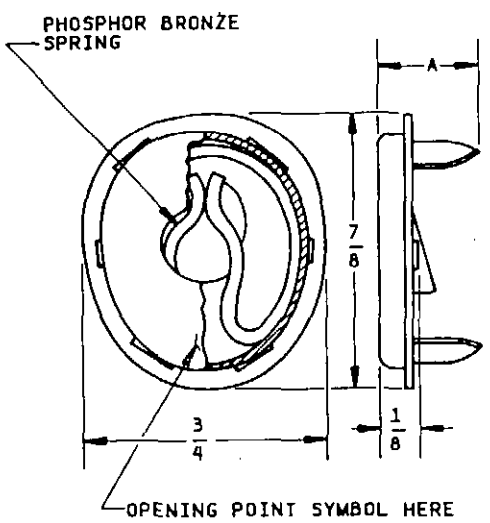
DD FORM 672-1 (COORDINATED)  
MAY 73

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT NO. 5325-0257

AMSC N/A  
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 This military standard is approved for use by all Departments and Agencies of the Department of Defense.  
 Selection for all new engineering and design applications and for repetitive use shall be made from this document.  
 USER ACTIVITIES: ARMY-ME, AV  
 REVIEWER ACTIVITIES: ARMY-ER, AT  
 NAVY-MS, MC  
 USAF-82  
 DLA-IS

FED. SUP CLASS  
5325



SOCKET

(OPERATES ON SINGLE POINT LIFT PRINCIPLE)

CLINCH PLATE

REVIEWER ACTIVITIES: ARMY-ER, AT  
NAVY-MS, MC  
USAF-82  
DLA-13

USER ACTIVITIES: ARMY-ME, AV

|                    | DIM. A | MS PART NO.  |             |              |               |
|--------------------|--------|--------------|-------------|--------------|---------------|
|                    |        | BRIGHT BRASS | BLACK       | NICKEL PLATE | BRIGHT CHROME |
| SOCKET, REG. PRONG | 21/64  | MS 27977-1   | MS 27977-1B | MS 27977-1N  | MS 27977-1C   |
| SOCKET, LONG PRONG | 3/8    | MS 27977-2   | MS 27977-2B | MS 27977-2N  | MS 27977-2C   |
| CLINCH PLATE       | ...    | MS 27977-3   | MS 27977-3B | MS 27977-3N  | MS 27977-3C   |

NOTE: SOCKET, REGULAR PRONG W/CLINCH PLATE OR SOCKET, LONG PRONG W/CLINCH PLATE CONSTITUTE THE FEMALE HALF OF STYLE 1 FASTENERS. SHEET NO'S 3 THROUGH 10 OF THIS STANDARD COVER MALE HALVES OF STYLE 1 FASTENERS, AS APPLICABLE.

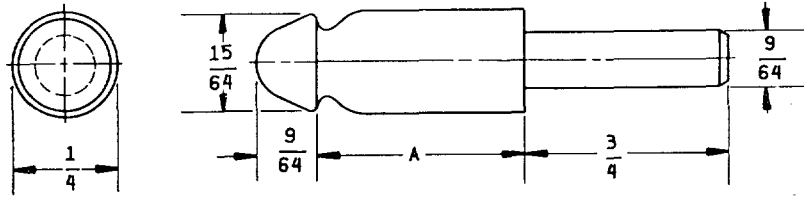
ⓐ REDRAWN WITHOUT CHANGE.

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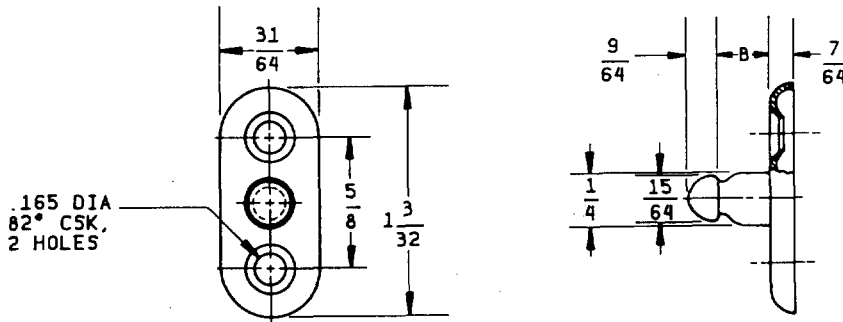
REVISED 30 APRIL 1966  
APPROVED

|  |  |   |                               |
|--|--|---|-------------------------------|
| P. A. ARMY-GI<br>Other Cust<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL INTEREST                 | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD<br>MS 27977 |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884               | SUPERSEDES:<br>AN 227 (IN PART); BNAX7 | SHEET 2 OF 11   |                               |

FED. SUP CLASS  
5325



STUD, SOLID RIVET BASE



STUD, TWO SCREW BASE

USER ACTIVITIES: ARMY-ME, AV  
REVIEWER ACTIVITIES: ARMY-ER, AT  
NAVY-MS, MC  
USAF-62  
DLA-15

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|                      | SIZE | DIM. A | DIM. B | MS PART NO.  |             |              |               |
|----------------------|------|--------|--------|--------------|-------------|--------------|---------------|
|                      |      |        |        | BRIGHT BRASS | BLACK       | NICKEL PLATE | BRIGHT CHROME |
| STUD, SOLID          | 1    | 9/32   | .....  | MS 27977-4   | MS 27977-4B | MS 27977-4N  | MS 27977-4C   |
| RIVET BASE           | 2    | 1/2    | .....  | MS 27977-5   | MS 27977-5B | MS 27977-5N  | MS 27977-5C   |
| STUD, TWO SCREW BASE | 1    | .....  | 1/4    | MS 27977-6   | MS 27977-6B | MS 27977-6N  | MS 27977-6C   |
|                      | 2    | .....  | 1/2    | ⓐ            | ⓐ           | ⓐ            | ⓐ             |

ⓐ REDRAWN; DELETED PART NO. MS 27977 -7, -7B, -7N, AND -7C.

|  |                        |  |                   |
|--|------------------------|--|-------------------|
| P. A. ARMY-GL<br>Other Cost<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE  | MILITARY STANDARD |
|  |                        | FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MS 27977          |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884               | SUPERSEDES:            | AN 227 (IN PART); BMAX7                          | SHEET 3 OF 11     |

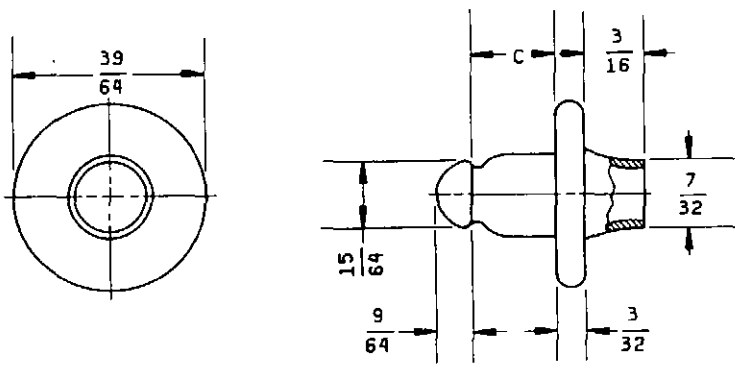
APPROVED  
REVISED ⓐ 30 APRIL 1986

USER ACTIVITIES: ARMY-ME, AV

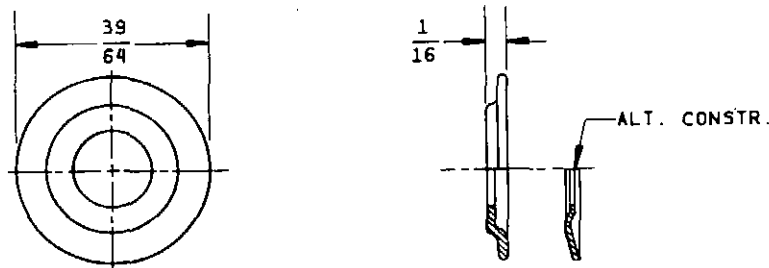
REVIEWER ACTIVITIES: ARMY-ER, AT  
NAVY-MS, MC  
USAF-62  
DLA-13

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FED. SUP CLASS  
5325



STUD, EYELET BASE



WASHER

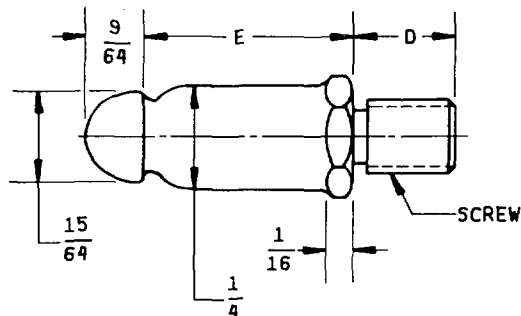
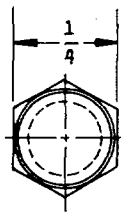
|                   | SIZE | DIM. C | MS PART NO.  |              |              |               |
|-------------------|------|--------|--------------|--------------|--------------|---------------|
|                   |      |        | BRIGHT BRASS | BLACK        | NICKEL PLATE | BRIGHT CHROME |
| STUD, EYELET BASE | 1    | 17/64  | MS 27977-8   | MS 27977-8B  | MS 27977-8N  | MS 27977-8C   |
|                   | 2    | 1/2    | MS 27977-9   | MS 27977-9B  | MS 27977-9N  | MS 27977-9C   |
| WASHER            | .... | .....  | MS 27977-10  | MS 27977-10B | MS 27977-10N | MS 27977-10C  |

Ⓢ REDRAWN WITHOUT CHANGE.

APPROVED  
REVISED ① 30 APRIL 1986

|  |                        |   |                   |
|--|------------------------|---|-------------------|
| P. A. ARMY-GL<br>Other Cost<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD |
|  |                        |   | MS 27977          |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884               | SUPERSEDES:            | AN 227 (IN PART); BNAX7                                   | SHEET 4 OF 11     |

FED. SUP CLASS  
5325



STUD, MACHINE SCREW BASE, SMALL HEX

USER ACTIVITIES: ARMY - ME, AV

REVIEWER ACTIVITIES: ARMY - ER, AT  
NAVY - MS, MC  
USAF - 82  
DLA - 15

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

| SIZE | DIM. |     | THD<br>SIZE             | MS PART NO.  |              |              |               |
|------|------|-----|-------------------------|--------------|--------------|--------------|---------------|
|      | D    | E   |                         | BRIGHT BRASS | BLACK        | NICKEL PLATE | BRIGHT CHROME |
| 1    | 3/16 | 1/4 | NO. 8-<br>32UNC<br>-2A  | MS 27977-11  | MS 27977-11B | MS 27977-11N | MS 27977-11C  |
| 2    | 1/4  |     |                         | MS 27977-12  | MS 27977-12B | MS 27977-12N | MS 27977-12C  |
| 3    | 3/8  |     |                         | MS 27977-13  | MS 27977-13B | MS 27977-13N | MS 27977-13C  |
| 4    | 5/8  |     |                         | MS 27977-14  | MS 27977-14B | MS 27977-14N | MS 27977-14C  |
| 5    | 3/16 | 1/2 |                         | MS 27977-15  | MS 27977-15B | MS 27977-15N | MS 27977-15C  |
| 6    | 1/4  |     |                         | MS 27977-16  | MS 27977-16B | MS 27977-16N | MS 27977-16C  |
| 7    | 3/8  |     |                         | MS 27977-17  | MS 27977-17B | MS 27977-17N | MS 27977-17C  |
| 8    | 5/8  |     |                         | MS 27977-18  | MS 27977-18B | MS 27977-18N | MS 27977-18C  |
| 1    | 3/16 | 1/4 | NO. 10-<br>32UNF<br>-2A | MS 27977-19  | MS 27977-19B | MS 27977-19N | MS 27977-19C  |
| 2    | 1/4  |     |                         | MS 27977-20  | MS 27977-20B | MS 27977-20N | MS 27977-20C  |
| 3    | 3/8  |     |                         | MS 27977-21  | MS 27977-21B | MS 27977-21N | MS 27977-21C  |
| 4    | 5/8  |     |                         | MS 27977-22  | MS 27977-22B |              | MS 27977-22C  |
| 5    | 3/16 | 1/2 |                         | MS 27977-23  | MS 27977-23B | MS 27977-23N | MS 27977-23C  |
| 6    | 1/4  |     |                         | MS 27977-24  | MS 27977-24B | MS 27977-24N | MS 27977-24C  |
| 7    | 3/8  |     |                         | MS 27977-25  | MS 27977-25B | MS 27977-25N | MS 27977-25C  |
| 8    | 5/8  |     |                         | MS 27977-26  | MS 27977-26B | MS 27977-26N | MS 27977-26C  |

Ⓛ REDRAWN WITHOUT CHANGE.

|  |                           |   |                   |
|--|---------------------------|---|-------------------|
| P. A. ARMY - GL<br>Other Cust<br>NAVY - AS<br>AIR FORCE - 99 | INTERNATIONAL<br>INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD |
|  |                           |   | MS 27977          |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884                     | SUPERSEDES:               | AN 227 (IN PART); BNA57                                   | SHEET 5 OF 11     |

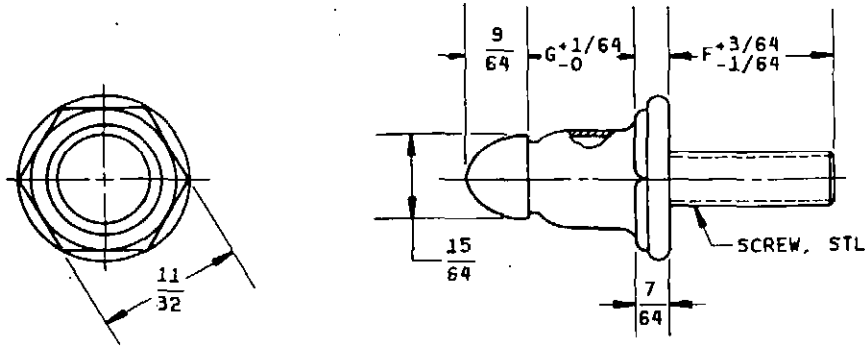
APPROVED  
REVISED  
Ⓛ 30 APRIL 1966

USER ACTIVITIES: ARMY-ME, AV

REVISOR ACTIVITIES: ARMY-GR, AT  
NAVY-MS, MC  
USAF-82  
DLA-15

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FED. SUP CLASS  
5325



STUD, MACHINE SCREW BASE, LARGE HEX

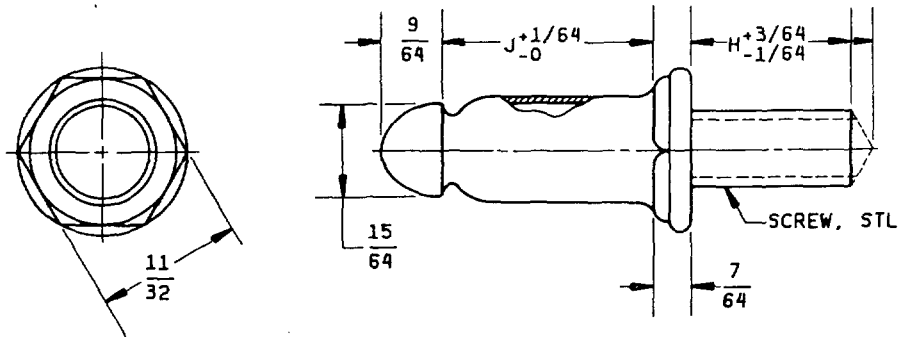
| SIZE | DIM. |     | THD             | MS PART NO. |              |              |              |
|------|------|-----|-----------------|-------------|--------------|--------------|--------------|
|      | F    | G   |                 | SIZE        | BRIGHT BRASS | BLACK        | NICKEL PLATE |
| 1    | 3/16 | 1/4 | NO. 8-32UNC-2A  | MS 27977-27 | MS 27977-27B | MS 27977-27N | MS 27977-27C |
| 2    | 1/4  |     |                 | MS 27977-28 | MS 27977-28B | MS 27977-28N | MS 27977-28C |
| 3    | 3/8  |     |                 | MS 27977-29 | MS 27977-29B | MS 27977-29N | MS 27977-29C |
| 4    | 5/8  |     |                 | MS 27977-30 | MS 27977-30B | MS 27977-30N | MS 27977-30C |
| 5    | 3/16 | 1/2 |                 | MS 27977-31 | MS 27977-31B | MS 27977-31N | MS 27977-31C |
| 6    | 1/4  |     |                 | MS 27977-32 | MS 27977-32B | MS 27977-32N | MS 27977-32C |
| 7    | 3/8  |     |                 | MS 27977-33 | MS 27977-33B | MS 27977-33N | MS 27977-33C |
| 8    | 5/8  |     |                 | MS 27977-34 | MS 27977-34B | MS 27977-34N | MS 27977-34C |
| 1    | 3/16 | 1/4 | NO. 10-32UNF-2A | MS 27977-35 | MS 27977-35B | MS 27977-35N | MS 27977-35C |
| 2    | 1/4  |     |                 | MS 27977-36 | MS 27977-36B | MS 27977-36N | MS 27977-36C |
| 3    | 3/8  |     |                 | MS 27977-37 | MS 27977-37B | MS 27977-37N | MS 27977-37C |
| 4    | 5/8  |     |                 | MS 27977-38 | MS 27977-38B | MS 27977-38N | MS 27977-38C |
| 5    | 3/16 | 1/2 |                 | MS 27977-39 | MS 27977-39B | MS 27977-39N | MS 27977-39C |
| 6    | 1/4  |     |                 | MS 27977-40 | MS 27977-40B | MS 27977-40N | MS 27977-40C |
| 7    | 3/8  |     |                 | MS 27977-41 | MS 27977-41B | MS 27977-41N | MS 27977-41C |
| 8    | 5/8  |     |                 | MS 27977-42 | MS 27977-42B | MS 27977-42N | MS 27977-42C |

① REDRAWN; DELETED PART NO. MS 27977-37.

APPROVED  
REVISED ① 30 APRIL 1986

|  |                        |   |                   |
|--|------------------------|---|-------------------|
| P. A. ARMY-GL<br>Other Code<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD |
|  |                        |   | MS 27977          |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884               | SUPERSEDES:            | AN 227 (IN PART); BMAX7                                   | SHEET 6 OF 11     |

FED. SUP CLASS  
5325



STUD, SELF-TAPPING SCREW BASE

USER ACTIVITIES: ARMY-ME, AV

REVIEWER ACTIVITIES: ARMY-ER, AT  
NAVY-MS, MC  
USAF-82  
DLA-IS

| SIZE | DIM. |             | SCREW SIZE & TYPE POINT | MS PART NO.  |              |              |               |
|------|------|-------------|-------------------------|--------------|--------------|--------------|---------------|
|      | H    | J           |                         | BRIGHT BRASS | BLACK        | NICKEL PLATE | BRIGHT CHROME |
| 1    | 3/8  | 1/4         | NO. 8 GIMLET POINT      | MS 27977-43  | MS 27977-43B | MS 27977-43N | MS 27977-43C  |
| 2    |      | 1/2         |                         | MS 27977-44  | MS 27977-44B | MS 27977-44N | MS 27977-44C  |
| 1    | 3/8  | 1/4         | NO. 10 GIMLET POINT     | MS 27977-45  | MS 27977-45B | MS 27977-45N | MS 27977-45C  |
| 2    |      | 1/2         |                         | MS 27977-46  | MS 27977-46B | MS 27977-46N | MS 27977-46C  |
| 1    | 3/8  | 1/4         | NO. 10 BLUNT POINT      | MS 27977-47  | MS 27977-47B | MS 27977-47N | MS 27977-47C  |
| 2    |      |             |                         | 1/2          | MS 27977-48  | MS 27977-48B | MS 27977-48N  |
| 3    | 5/8  | (D)         |                         | (D)          | (D)          | (D)          |               |
| 4    | 3/8  | 1/2         |                         | MS 27977-50  | MS 27977-50B | MS 27977-50N | MS 27977-50C  |
| 5    | 1/2  |             |                         | MS 27977-51  | MS 27977-51B | MS 27977-51N | MS 27977-51C  |
| 6    | 5/8  | (D)         |                         | (D)          | (D)          | (D)          |               |
| 1    | 3/8  | 1/4         | NO. 14 BLUNT POINT      | MS 27977-53  | MS 27977-53B | MS 27977-53N | MS 27977-53C  |
| 2    |      |             |                         | 1/2          | MS 27977-54  | MS 27977-54B | MS 27977-54N  |
| 3    | 5/8  | MS 27977-55 |                         | MS 27977-55B | MS 27977-55N | MS 27977-55C |               |
| 4    | 3/8  | 1/2         |                         | MS 27977-56  | MS 27977-56B | MS 27977-56N | MS 27977-56C  |
| 5    | 1/2  |             |                         | MS 27977-57  | MS 27977-57B | MS 27977-57N | MS 27977-57C  |
| 6    | 5/8  | MS 27977-58 |                         | MS 27977-58B | MS 27977-58N | MS 27977-58C |               |

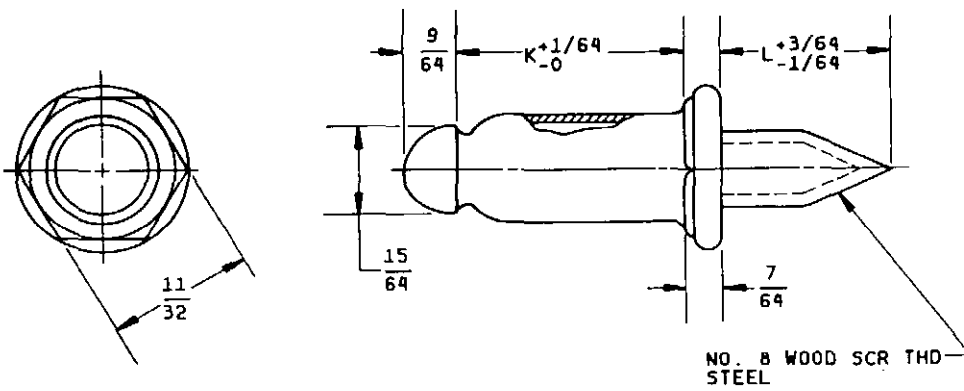
(D) REDRAWN; DELETED: PART NO.'S MS 27977 -49, -49B, -49N, -49C, -52, -52B, -52N, AND -52C.

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APPROVED (D) REVISED (D) 30 APRIL 1986

|  |                        |   |                               |
|--|------------------------|---|-------------------------------|
| P. A. ARMY-GL<br>Other Cost<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD<br>MS 27977 |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884               | SUPERSEDES             | AN 227 (IN PART); BMAX7                                   | SHEET 7 OF 11                 |

FED. SUP CLASS  
5325



STUD, WOOD SCREW BASE

USER ACTIVITIES: ARMY-ME, AV  
ARMY-ER, AT  
NAVY-MS, MC  
USAF-62  
DLA-13

REVIEWER ACTIVITIES:

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

| SIZE | DIM. K | DIM. L | MS PART NO.  |              |              |              |
|------|--------|--------|--------------|--------------|--------------|--------------|
|      |        |        | BRIGHT BRASS | BLACK        | NICKEL PLATE | CHROME PLATE |
| 1    | 17/64  | 3/8    | MS 27977-59  | MS 27977-59B | MS 27977-59N | MS 27977-59C |
| 2    | 1/2    |        | MS 27977-60  | MS 27977-60B | MS 27977-60N | MS 27977-60C |
| 3    | 17/64  | 3/4    | MS 27977-61  | MS 27977-61B | MS 27977-61N | MS 27977-61C |
| 4    | 1/2    |        | MS 27977-62  | MS 27977-62B | MS 27977-62N | MS 27977-62C |

ⓓ REDRAWN WITHOUT CHANGE.

REVISED ⓓ 30 APRIL 1986  
APPROVED

|   |                        |   |                               |
|---|------------------------|---|-------------------------------|
| P. A.<br>ARMY-GL<br>Other Cust<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD<br>MS 27977 |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884                  | SUPERSEDES:            | AN 227 (IN PART); BNAX7                                   | SHEET 8 OF 11                 |

DD FORM 672-1 (COORDINATED)  
1 MAY 71

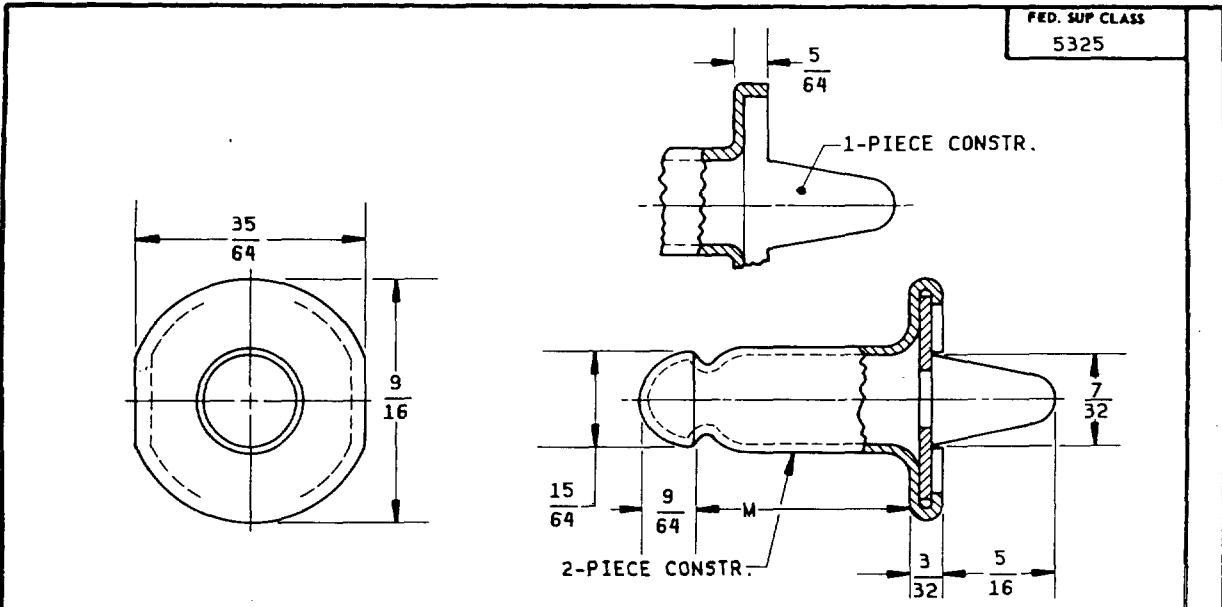
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



USER ACTIVITIES: ARMY - ME, AV

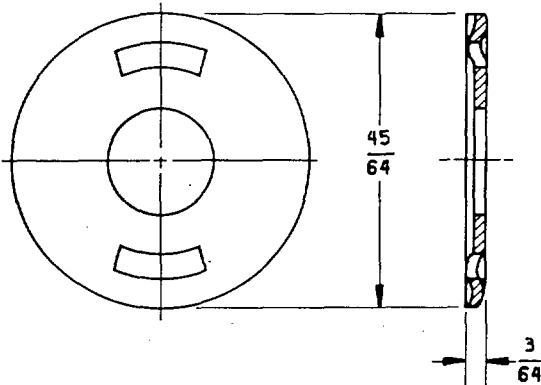
REVIEWER ACTIVITIES: ARMY - ER, AT  
NAVY - MS, MC  
USAF - 82  
DLA - 15

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FED. SUP CLASS  
5325

STUD, TWO PRONG, CLINCH BASE



WASHER

|        | SIZE | DIM. M | MS PART NO.  |              |              |               |
|--------|------|--------|--------------|--------------|--------------|---------------|
|        |      |        | BRIGHT BRASS | BLACK        | NICKEL PLATE | BRIGHT CHROME |
| STUD   | 1    | 9/32   | MS 27977-63  | MS 27977-63B | MS 27977-63N | MS 27977-63C  |
| STUD   | 2    | 1/2    | MS 27977-64  | MS 27977-64B | MS 27977-64N | MS 27977-64C  |
| WASHER | .... | ....   | MS 27977-65  | MS 27977-65B | MS 27977-65N | MS 27977-65C  |

ⓐ REDRAWN WITHOUT CHANGE.

|  |                        |   |                   |         |
|--|------------------------|---|-------------------|---------|
| P. A. ARMY - GL<br>Other Cust<br>NAVY - AS<br>AIR FORCE - 99 | INTERNATIONAL INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD |         |
|  |                        |   | MS 27977          |         |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884                     | SUPERSEDES:            | AN 227 (IN PART); BMAX7                                   | SHEET             | 9 OF 11 |

APPROVED  
REVISED ⓐ 30 APRIL 1966

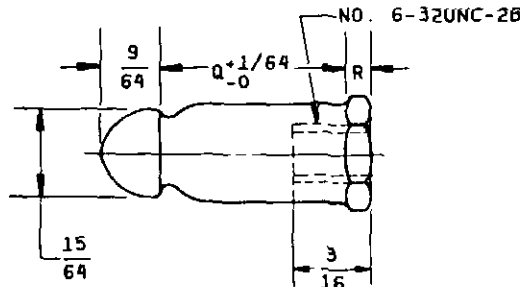
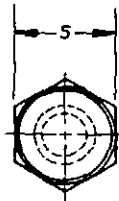
FED. SUP CLASS  
5325

USER ACTIVITIES: ARMY-ME, AV

ARMY - ER, AT  
NAVY - MS, MC  
USAF - 62  
DLA - 19

REVIEWER ACTIVITIES:

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



FULL THOS

STUD, INTERNAL THREAD

|                                  | SIZE | DIM. Q | DIM. R | DIM. S | MS PART NO.  |              |              |               |
|----------------------------------|------|--------|--------|--------|--------------|--------------|--------------|---------------|
|                                  |      |        |        |        | BRIGHT BRASS | BLACK        | NICKEL PLATE | BRIGHT CHROME |
| SHELL CONSTR. STL. THREADED INS. | 1    | 17/64  | 1/8    | 11/32  | MS 27977-66  | MS 27977-66B | MS 27977-66N | MS 27977-66C  |
|                                  | 2    | 1/2    |        |        | MS 27977-67  | MS 27977-67B | MS 27977-67N | MS 27977-67C  |
| SOLID CONSTR. W/ TAPPED HOLE     | 1    | 17/64  | 1/16   | 1/4    | MS 27977-68  | MS 27977-68B | MS 27977-68N | MS 27977-68C  |
|                                  | 2    | 1/2    |        |        | MS 27977-69  | MS 27977-69B | MS 27977-69N | MS 27977-69C  |

REVISED 30 APRIL 1986

APPROVED

ⓐ REDRAWN WITHOUT CHANGE.

|  |                        |   |                               |
|--|------------------------|---|-------------------------------|
| P. A. ARMY - GL<br>Other Code<br>NAVY - AS<br>AIR FORCE - 99 | INTERNATIONAL INTEREST | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD<br>MS 27977 |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884                     | SUPERSEDES:            | AN 227 (IN PART); BNAx7                                   | SHEET 10 OF 11                |

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FED. SUP CLASS  
5325

USER ACTIVITIES: ARMY-ME, AV

ARMY- ER, AT  
NAVY- MS, MC  
USAF-82  
DLA-19

REVIEWER ACTIVITIES:

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

INTERCHANGEABILITY TABLE 1

| MS 27977<br>DASH NO. | AN 227<br>DASH NO. | MS 27977<br>DASH NO. | AN 227<br>DASH NO. | MS 27977<br>DASH NO. | AN 227<br>DASH NO. |
|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
| -1B                  | -15BS              | -33B                 | -25B               | -63B                 | -17BS              |
| -1N                  | -15S               | -33N                 | -25                | -63N                 | -17S               |
| -2B                  | -15BL              | -34B                 | -26B               | -64B                 | -17BL              |
| -2N                  | -15L               | -34N                 | -26                | -64N                 | -17L               |
| -3B                  | -16B               | -36B                 | -21BL              | -65B                 | -18B               |
| -3N                  | -16                | -36N                 | -21                | -65N                 | -18                |
| -4B                  | -27B               | -37B                 | -22BL              | -66B                 | -48B               |
| -4N                  | -27                | -37N                 | -22L               | -66N                 | -48                |
| -5B                  | -28B               | -38B                 | -23BL              | -67B                 | -48BL              |
| -5N                  | -28                | -38N                 | -23L               | -67N                 | -48L               |
| -8B                  | -19BS              | -40B                 | -24BL              | -68B                 | -48B               |
| -8N                  | -19S               | -40N                 | -24L               | -68N                 | -48                |
| -9B                  | -19BL              | -41B                 | -25BL              | -69B                 | -48BL              |
| -9N                  | -19L               | -41N                 | -25L               | -69N                 | -48L               |
| -10B                 | -20P OR 20BP       | -42B                 | -26BL              |                      |                    |
| -10N                 | -20 OR 20P         | -42N                 | -26L               |                      |                    |
| -12B                 | -21BM8             | -47B                 | -21BT10(*)         |                      |                    |
| -12N                 | -21M8              | -47N                 | -21T10(*)          |                      |                    |
| -13B                 | -22BM8             | -48B                 | -22BT10(*)         |                      |                    |
| -13N                 | -22M8              | -48N                 | -22T10(*)          |                      |                    |
| -14B                 | -23BM8             |                      |                    |                      |                    |
| -14N                 | -23M8              |                      |                    |                      |                    |
| -16B                 | -24BM8             | -50B                 | -24BT10(*)         |                      |                    |
| -16N                 | -24M8              | -50N                 | -24T10(*)          |                      |                    |
| -17B                 | -25BM8             | -51B                 | -25BT10(*)         |                      |                    |
| -17N                 | -25M8              | -51N                 | -25T10(*)          |                      |                    |
| -18B                 | -26BM8             |                      |                    |                      |                    |
| -18N                 | -26M8              |                      |                    |                      |                    |
| -20B                 | -21BM10            | -53B                 | -21BT10(**)        |                      |                    |
| -20N                 | -21M10             | -53N                 | -21T10(**)         |                      |                    |
| -21B                 | -22BM10            | -54B                 | -22BT10(**)        |                      |                    |
| -21N                 | -22M10             | -54N                 | -22T10(**)         |                      |                    |
| -22B                 | -23BM10            | -55B                 | -23BT10(**)        |                      |                    |
| -22N                 | -23M10             | -55N                 | -23T10(**)         |                      |                    |
| -24B                 | -24BM10            | -56B                 | -24BT10(**)        |                      |                    |
| -24N                 | -24M10             | -56N                 | -24T10(**)         |                      |                    |
| -25B                 | -25BM10            | -57B                 | -25BT10(**)        |                      |                    |
| -25N                 | -25M10             | -57N                 | -25T10(**)         |                      |                    |
| -26B                 | -26BM10            | -58B                 | -26BT10(**)        |                      |                    |
| -26N                 | -26M10             | -58N                 | -26T10(**)         |                      |                    |
| -28B                 | -21B               | -59B                 | -29BS              |                      |                    |
| -28N                 | -21                | -59N                 | -29S               |                      |                    |
| -29B                 | -22B               | -60B                 | -30BS              |                      |                    |
| -29N                 | -22                | -60N                 | -30S               |                      |                    |
| -30B                 | -23B               | -61B                 | -29B               |                      |                    |
| -30N                 | -23                | -61N                 | -29                |                      |                    |
| -32B                 | -24B               | -62B                 | -30B               |                      |                    |
| -32N                 | -24                | -62N                 | -30                |                      |                    |

(\*) APPLICABLE TO NO. 10 SCREW SIZE.  
(\*\*) APPLICABLE TO NO. 14 SCREW SIZE.

Ⓛ REDRAWN; DELETED: PART NO.'S MS 27977 -49B, -49N, -52B, AND -52N.

REVISED Ⓛ 30 APRIL 1986  
APPROVED

|  |                                       |   |                               |
|--|---------------------------------------|---|-------------------------------|
| P. A. ARMY-GL<br>Other Cust<br>NAVY-AS<br>AIR FORCE-99 | INTERNATIONAL<br>INTEREST             | TITLE<br>FASTENERS, SNAP, STYLE 1<br>(LARGE CURTAIN TYPE) | MILITARY STANDARD<br>MS 27977 |
| PROCUREMENT SPECIFICATION<br>MIL-F-10884               | SUPERSEDES:<br>AN 227 (IN PART);BNAX7 | SHEET 11 OF 11  |                               |