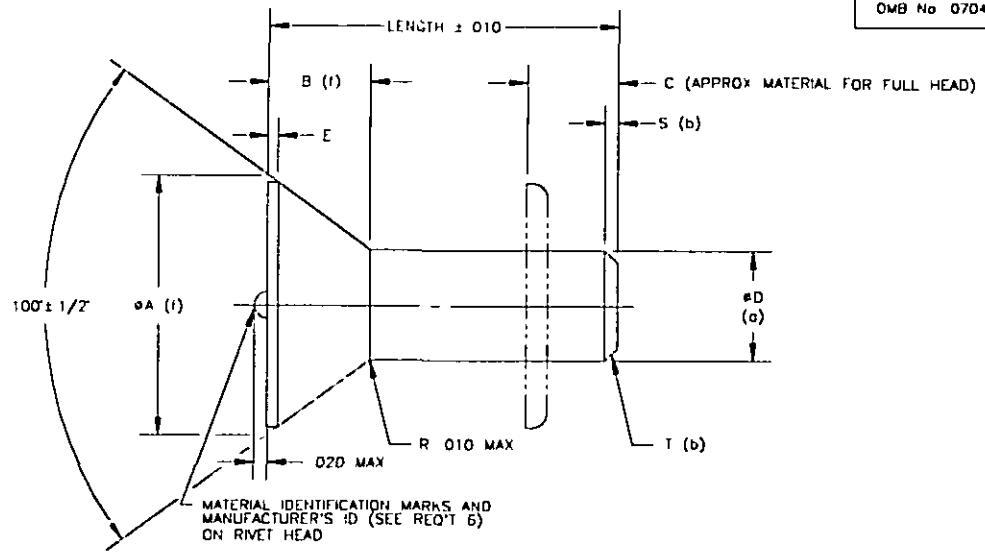


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODSS SPECIFIED IN THE SOLICITATION MIL-R-5674

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MATERIAL IDENTIFICATION MARKS

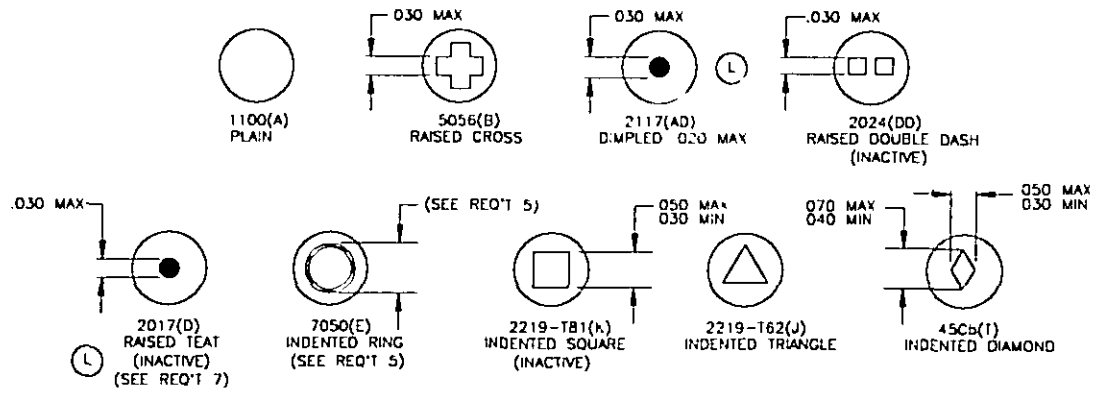


TABLE I. RIVET DIMENSIONS.

| φA ±.004 | B REF | C | φD + .003 -.001 | E | S | T RAD |
|-------------|----------|------|-----------------------|----------------|------|----------|
| .114 | .022 | .094 | .062(1\16) | .004 | .016 | .019 |
| .179 | .036 | .141 | .094(3\32) | ± .002 | .023 | .029 |
| .225 | .042 | .188 | .125(1\8) | .005 | .031 | .039 |
| .286 | .055 | .234 | .156(5\32) | ± .002 | .039 | .049 |
| .353 | .070 | .281 | .187(3\16) | .006 | .047 | .059 |
| .415 | .083 | .328 | .219(7\32) | ± .003 | .054 | .069 |
| .476 | .095 | .375 | .250(1\4) | .008 ± .003 | .062 | .078 |
| .564 | .106 | .469 | .312(5\16) | .010 | .078 | .098 |
| .694 | .134 | .562 | .375(3\8) | ± .004 | .094 | .117 |

(L) DENOTES CHANGE(S)

INCH-POUND

| | | |
|---|---|---|
| PREPARING ACTIVITY: NAVY-AS CUSTODIANS: ARMY-AR NAVY- AIR FORCE-99 DIA- REVIEW AV, GL, IS, ME, MI, OS, B2 USER: MC PROJECT NUMBER: 5320-0805 DISTRIBUTION STATEMENT | MILITARY SPECIFICATION SHEET TITLE RIVET, SOLID, COUNTERSUNK 100, PRECISION HEAD, ALUMINUM AND TITANIUM COLUMBIUM ALLOY | SPECIFICATION SHEET NUMBER MS20426 14 SEP 93 REV L SUPERSEDING MS20426 K 28 JAN 91 AMSC- N/A FSC 5320 |
| A Approved for public release; distribution is unlimited | | Page 1 of 3 |

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION MIL-R-5674

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- (n) 001-INCH SHANK DIAMETER INCREASE PERMISSIBLE WITHIN 100-INCH OF BASE OF HEAD.
- (b) RIVETS MAY BE FURNISHED WITHIN PLAIN ENDS, OR CHAMFERED ENDS WITH A RADIUS TO THE "I" DIMENSIONS OR A 20° CHAMFER TO THE "S" DIMENSION.
- (c) A PROFILE VIEW OF LAND AREA MAY VARY FROM A LINE PARALLEL WITH THE SHANK TO A CURVE THAT WILL FALL WITHIN THE LIMITS ALLOWED.
- (d) THE CONICAL SURFACE OF THE HEAD SHALL BE CONCENTRIC WITH THE SHANK OF THE RIVET WITHIN .005 (.010 FIM)
- (e) HEAD-COCKING ANGLE RELATIVE TO AXIS OF RIVET 1/2° MAX.
- (f) MAXIMUM HEAD DIAMETERS ARE TO THEORETICAL SHARP CORNERS AS MEASURED BY PROJECTION

REQUIREMENTS

1. **MATERIAL:** ALUMINUM 1100-F (A91100) AND ALUMINUM ALLOYS 2017-T4 (A92017), 2024-T4 (A92024), 2117-T4 (A92117), 2219-T81 (A92119), 2219-T62 (A92119), 5056-H32 (A95056), 7050-T73 (A97050) PER QQ-A-430 AND TITANIUM COLUMBIUM ALLOY 45Cb (R5B450) PER AMS 4982.
2. FOR PART NUMBERS OF RIVET LENGTH NOT LISTED SHOW 1/16 INCREMENT REQUIRED.
3. ADDITIONAL 1/32 LENGTH INCREMENTS MAY BE OBTAINED BY ADDING -5 AFTER THE LAST DIGIT OR LETTER IN PART NUMBER.
4. EXAMPLE OF PART NUMBER:

MS20426 AD 4 - 12 A -5 = ALUMINUM ALLOY 2117-T4 RIVET, 1/8 DIA, (3/4 + 1/32) LONG, ANODIZE CLEAR

- INDICATES ADDITIONAL 1/32 INCH INCREMENT IN LENGTH
- NO CODE INDICATES CHEMICAL SURFACE TREATMENT PER MIL-C-5541, CLASS 1A, GOLD/YELLOW.
- "A" INDICATES ANODIZE PER MIL-A-8625, TYPE II, CLASS 1, CLEAR
- "D" INDICATES ANODIZE PER MIL-A-8625, TYPE II, CLASS 1, DICHROMATE SEAL
- "F" INDICATES OPTION OF ANY FINISH EXCEPT AS NOTED BELOW
- "S" INDICATES CHEMICAL SURFACE TREATMENT PER MIL-C-5541, CLASS 1A, CLEAR
- "M" INDICATES ANODIZE PER MIL-A-8625, TYPE II, CLASS 2

NOTE: FOR 1100 AL, CHEMICAL SURFACE TREATMENT PER MIL-C-5541, CLASS 1A, GOLD/YELLOW (NO CODE).

FOR 2024 AL, ANODIZE PER MIL-A-8625, TYPE II, CLASS 1, DICHROMATE SEAL OR CLEAR OR CLASS 2 WITH SPECIFIED COLOR (A, D OR N CODE)

FOR 2017, 2117, 2219, 5056 AND 7050 AL, CHEMICAL FINISH SURFACE TREATMENT PER MIL-C-5541, CLASS 1A, CLEAR OR GOLD/YELLOW (CLEAR FILM SHALL BE USED ONLY WHEN AUTHORIZED) OR ANODIZE PER MIL-A-8625, TYPE II, CLASS 1 (CLEAR OR DICHROMATE SEAL) OR CLASS 2

FOR TITANIUM COLUMBIUM, NO FINISH REQUIRED.

INDICATES LENGTH IN 1/16 OF AN INCH

INDICATES DIAMETER IN 1/32 OF AN INCH.

- "A" INDICATES 1100-F ALUMINUM
- "AD" INDICATES 2117-T4 AL ALLOY
- "B" INDICATES 5056-H32 AL ALLOY
- "D" INDICATES 2017-T4 AL ALLOY
- "DD" INDICATES 2024-T4 AL ALLOY
- "K" INDICATES 2219-T81 AL ALLOY
- "E" INDICATES 7050-T73 AL ALLOY
- "T" INDICATES TITANIUM COLUMBIUM ALLOY 45Cb
- "J" INDICATES 2219-T62 AL ALLOY

} INACTIVE FOR NEW DESIGN

BASIC MS NUMBER

5. OUTER DIAMETER OF INDENTED RING (7050 RIVETS) SHALL BE A MAXIMUM OF 75% OF RM1 SHANK DIAMETER. THE MAXIMUM DEPTH OF THE RING SHALL BE .010 INCH. INDENTED RING IS REQUIRED ON 7050 RIVETS MANUFACTURED AFTER 2 JULY 1990.
6. MANUFACTURER'S IDENTIFICATION IS REQUIRED TO BE DEPRESSED ON RIVET HEADS WITH A SHANK DIAMETER .125 INCH AND LARGER MANUFACTURED AFTER 2 JULY 1990.
7. ALUMINUM ALLOY 2017-T4 RIVETS WITH 33ksi MIN. UNDRIVEN SHEAR STRENGTHS ARE ACCEPTABLE UNTIL 2 JULY 1990

NOTES:

1. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES DECIMALS ±.010
2. INTERCHANGEABILITY RELATION WITH AN426 RIVETS: MS20426 RIVETS OF LIKE DASH NUMBERS ARE UNIVERSALLY, FUNCTIONALLY, AND DIMENSIONABLY INTERCHANGEABLE
3. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE
4. REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN

| | | |
|--|---|---|
| PREPARING ACTIVITY NAVY-AS CUSTODIAN'S ARMY-AR NAVY- AIR FORCE 99 DIA- REVIEW AV, GL, IS, ML, MI, OS, B2 USER MC PROJECT NUMBER 5320-0805 | MILITARY SPECIFICATION SHEET TITLE RIVET, SOLID, COUNTERSUNK 100° PRECISION HEAD, ALUMINUM AND TITANIUM COLUMBIUM ALLOY | SPECIFICATION SHEET NUMBER MS20426 14 SEP 93 REV L SUPERSEDING MS20426 K 28 JAN 91 AMSC- N/A FSC 5320 |
| DISTRIBUTION STATEMENT A Approved for public release, distribution is unlimited | | Page 2 of 2 |

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| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-T73 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-162 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | |
| 1/16 NOM DIA. | | | | | | | | | |
| A2-2 | AD2-2 | B2-2 | D2-2 | DD2-2 | E2-2 | K2-2 | T2-2 | J2-2 | .125 |
| A2-3 | AD2-3 | B2-3 | D2-3 | DD2-3 | E2-3 | K2-3 | T2-3 | J2-3 | .1875 |
| A2-4 | AD2-4 | B2-4 | D2-4 | DD2-4 | E2-4 | K2-4 | T2-4 | J2-4 | .250 |
| A2-5 | AD2-5 | B2-5 | D2-5 | DD2-5 | E2-5 | K2-5 | T2-5 | J2-5 | .3125 |
| A2-6 | AD2-6 | B2-6 | D2-6 | DD2-6 | E2-6 | K2-6 | T2-6 | J2-6 | .375 |
| A2-7 | AD2-7 | B2-7 | D2-7 | DD2-7 | E2-7 | K2-7 | T2-7 | J2-7 | .4375 |
| A2-8 | AD2-8 | B2-8 | D2-8 | DD2-8 | E2-8 | K2-8 | T2-8 | J2-8 | .50 |
| A2-9 | AD2-9 | B2-9 | D2-9 | DD2-9 | E2-9 | K2-9 | T2-9 | J2-9 | .5625 |
| A2-10 | AD2-10 | B2-10 | D2-10 | DD2-10 | E2-10 | K2-10 | T2-10 | J2-10 | .625 |

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-T73 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-162 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO. | DASH NO | DASH NO. | DASH NO | DASH NO. | DASH NO. | DASH NO | DASH NO. | DASH NO. | |
| 3/32 NOM DIA | | | | | | | | | |
| A3-2 | AD3-2 | B3-2 | D3-2 | DD3-2 | E3-2 | K3-2 | T3-2 | J3-2 | .125 |
| A3-3 | AD3-3 | B3-3 | D3-3 | DD3-3 | E3-3 | K3-3 | T3-3 | J3-3 | .1875 |
| A3-4 | AD3-4 | B3-4 | D3-4 | DD3-4 | E3-4 | K3-4 | T3-4 | J3-4 | .250 |
| A3-5 | AD3-5 | B3-5 | D3-5 | DD3-5 | E3-5 | K3-5 | T3-5 | J3-5 | .3125 |
| A3-6 | AD3-6 | B3-6 | D3-6 | DD3-6 | E3-6 | K3-6 | T3-6 | J3-6 | .375 |
| A3-7 | AD3-7 | B3-7 | D3-7 | DD3-7 | E3-7 | K3-7 | T3-7 | J3-7 | .4375 |
| A3-8 | AD3-8 | B3-8 | D3-8 | DD3-8 | E3-8 | K3-8 | T3-8 | J3-8 | .500 |
| A3-9 | AD3-9 | B3-9 | D3-9 | DD3-9 | E3-9 | K3-9 | T3-9 | J3-9 | .5625 |
| A3-10 | AD3-10 | B3-10 | D3-10 | DD3-10 | E3-10 | K3-10 | T3-10 | J3-10 | .625 |
| A3-12 | AD3-12 | B3-12 | D3-12 | DD3-12 | E3-12 | K3-12 | T3-12 | J3-12 | .750 |
| A3-14 | AD3-14 | B3-14 | D3-14 | DD3-14 | E3-14 | K3-14 | T3-14 | J3-14 | .875 |
| A3-16 | AD3-16 | B3-16 | D3-16 | DD3-16 | E3-16 | K3-16 | T3-16 | J3-16 | 1.000 |
| A3-20 | AD3-20 | B3-20 | D3-20 | DD3-20 | E3-20 | K3-20 | T3-20 | J3-20 | 1.250 |
| | AD3-32 | | | | | | | | 2.000 |

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-T73 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-162 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | DASH NO | |
| 1/8 NOM DIA | | | | | | | | | |
| A4-3 | AD4-3 | B4-3 | D4-3 | DD4-3 | E4-3 | K4-3 | T4-3 | J4-3 | .1875 |
| A4-4 | AD4-4 | B4-4 | D4-4 | DD4-4 | E4-4 | K4-4 | T4-4 | J4-4 | .250 |
| A4-5 | AD4-5 | B4-5 | D4-5 | DD4-5 | E4-5 | K4-5 | T4-5 | J4-5 | .3125 |
| A4-6 | AD4-6 | B4-6 | D4-6 | DD4-6 | E4-6 | K4-6 | T4-6 | J4-6 | .375 |
| A4-7 | AD4-7 | B4-7 | D4-7 | DD4-7 | E4-7 | K4-7 | T4-7 | J4-7 | .4375 |
| A4-8 | AD4-8 | B4-8 | D4-8 | DD4-8 | E4-8 | K4-8 | T4-8 | J4-8 | .500 |
| A4-9 | AD4-9 | B4-9 | D4-9 | DD4-9 | E4-9 | K4-9 | T4-9 | J4-9 | .5625 |
| A4-10 | AD4-10 | B4-10 | D4-10 | DD4-10 | E4-10 | K4-10 | T4-10 | J4-10 | .625 |
| A4-12 | AD4-12 | B4-12 | D4-12 | DD4-12 | E4-12 | K4-12 | T4-12 | J4-12 | .750 |
| A4-13 | AD4-13 | B4-13 | D4-13 | DD4-13 | E4-13 | K4-13 | T4-13 | J4-13 | .8125 |
| A4-14 | AD4-14 | B4-14 | D4-14 | DD4-14 | E4-14 | K4-14 | T4-14 | J4-14 | .875 |
| A4-16 | AD4-16 | B4-16 | D4-16 | DD4-16 | E4-16 | K4-16 | T4-16 | J4-16 | 1.000 |
| A4-18 | AD4-18 | B4-18 | D4-18 | DD4-18 | E4-18 | K4-18 | T4-18 | J4-18 | 1.125 |
| A4-20 | AD4-20 | B4-20 | D4-20 | DD4-20 | E4-20 | K4-20 | T4-20 | J4-20 | 1.250 |
| A4-22 | AD4-22 | B4-22 | D4-22 | DD4-22 | E4-22 | K4-22 | T4-22 | J4-22 | 1.375 |
| A4-24 | AD4-24 | B4-24 | D4-24 | DD4-24 | E4-24 | K4-24 | T4-24 | J4-24 | 1.500 |
| A4-28 | AD4-28 | B4-28 | D4-28 | DD4-28 | E4-28 | K4-28 | T4-28 | J4-28 | 1.750 |

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PREPARING ACTIVITY NAVY-AS
CUSTODIANS ARMY-AR NAVY-
AIR FORCE 99 DLA-
REVIEW BY, GL, IS, ME, MI, OS, BZ
USER WC
PROJECT NUMBER 5320-0805
DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET
TITLE
RIVET, SOLID, COUNTERSUNK 100,
PRECISION HEAD, ALUMINUM AND TITANIUM
COLUMBIUM ALLOY

SPECIFICATION SHEET NUMBER
MS20426 14 SEP 93
REV L
SUPERSEDED BY
MS20426 K 28 JAN 91
AMSC - N/A FSC 5320

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Page 3 of 5

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

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-173 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-T62 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | |
| 5/32 NOM DIA. | | | | | | | | | |
| A5-4 | AD5-4 | B5-4 | D5-4 | DD5-4 | E5-4 | K5-4 | T5-4 | J5-4 | .250 |
| A5-5 | AD5-5 | B5-5 | D5-5 | DD5-5 | E5-5 | K5-5 | T5-5 | J5-5 | .3125 |
| A5-6 | AD5-6 | B5-6 | D5-6 | DD5-6 | E5-6 | K5-6 | T5-6 | J5-6 | .375 |
| A5-7 | AD5-7 | B5-7 | D5-7 | DD5-7 | E5-7 | K5-7 | T5-7 | J5-7 | .4375 |
| A5-8 | AD5-8 | B5-8 | D5-8 | DD5-8 | E5-8 | K5-8 | T5-8 | J5-8 | .500 |
| A5-9 | AD5-9 | B5-9 | D5-9 | DD5-9 | E5-9 | K5-9 | T5-9 | J5-9 | .5625 |
| A5-10 | AD5-10 | B5-10 | D5-10 | DD5-10 | E5-10 | K5-10 | T5-10 | J5-10 | .625 |
| A5-11 | AD5-11 | --- | --- | --- | --- | --- | --- | --- | .6875 |
| A5-12 | AD5-12 | B5-12 | D5-12 | DD5-12 | E5-12 | K5-12 | T5-12 | J5-12 | .750 |
| A5-14 | AD5-14 | B5-14 | D5-14 | DD5-14 | E5-14 | K5-14 | T5-14 | J5-14 | .875 |
| A5-16 | AD5-16 | B5-16 | D5-16 | DD5-16 | E5-16 | K5-16 | T5-16 | J5-16 | 1.00 |
| A5-18 | AD5-18 | B5-18 | D5-18 | DD5-18 | E5-18 | K5-18 | T5-18 | J5-18 | 1.125 |
| A5-20 | AD5-20 | B5-20 | D5-20 | DD5-20 | E5-20 | K5-20 | T5-20 | J5-20 | 1.250 |
| A5-22 | AD5-22 | B5-22 | D5-22 | DD5-22 | E5-22 | K5-22 | T5-22 | J5-22 | 1.375 |
| A5-24 | AD5-24 | B5-24 | D5-24 | DD5-24 | E5-24 | K5-24 | T5-24 | J5-24 | 1.500 |
| A5-28 | AD5-28 | B5-28 | D5-28 | DD5-28 | E5-28 | K5-28 | T5-28 | J5-28 | 1.750 |
| A5-32 | AD5-32 | B5-32 | D5-32 | DD5-32 | E5-32 | K5-32 | T5-32 | J5-32 | 2.00 |

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-173 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-T62 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | |
| 3/16 NOM DIA. | | | | | | | | | |
| A6-5 | AD6-5 | B6-5 | D6-5 | DD6-5 | E6-5 | K6-5 | T6-5 | J6-5 | .3125 |
| A6-6 | AD6-6 | B6-6 | D6-6 | DD6-6 | E6-6 | K6-6 | T6-6 | J6-6 | .375 |
| A6-7 | AD6-7 | B6-7 | D6-7 | DD6-7 | E6-7 | K6-7 | T6-7 | J6-7 | .4375 |
| A6-8 | AD6-8 | B6-8 | D6-8 | DD6-8 | E6-8 | K6-8 | T6-8 | J6-8 | .500 |
| A6-9 | AD6-9 | B6-9 | D6-9 | DD6-9 | E6-9 | K6-9 | T6-9 | J6-9 | .5625 |
| A6-10 | AD6-10 | B6-10 | D6-10 | DD6-10 | E6-10 | K6-10 | T6-10 | J6-10 | .625 |
| A6-11 | AD6-11 | --- | --- | --- | --- | --- | --- | --- | .6875 |
| A6-12 | AD6-12 | B6-12 | D6-12 | DD6-12 | E6-12 | K6-12 | T6-12 | J6-12 | .750 |
| A6-14 | AD6-14 | B6-14 | D6-14 | DD6-14 | E6-14 | K6-14 | T6-14 | J6-14 | .875 |
| A6-15 | AD6-15 | B6-15 | D6-15 | DD6-15 | E6-15 | K6-15 | T6-15 | J6-15 | .9375 |
| A6-16 | AD6-16 | B6-16 | D6-16 | DD6-16 | E6-16 | K6-16 | T6-16 | J6-16 | 1.00 |
| A6-18 | AD6-18 | B6-18 | D6-18 | DD6-18 | E6-18 | K6-18 | T6-18 | J6-18 | 1.125 |
| A6-20 | AD6-20 | B6-20 | D6-20 | DD6-20 | E6-20 | K6-20 | T6-20 | J6-20 | 1.250 |
| A6-22 | AD6-22 | B6-22 | D6-22 | DD6-22 | E6-22 | K6-22 | T6-22 | J6-22 | 1.375 |
| A6-24 | AD6-24 | B6-24 | D6-24 | DD6-24 | E6-24 | K6-24 | T6-24 | J6-24 | 1.500 |
| A6-28 | AD6-28 | B6-28 | D6-28 | DD6-28 | E6-28 | K6-28 | T6-28 | J6-28 | 1.750 |
| A6-32 | AD6-32 | B6-32 | D6-32 | DD6-32 | E6-32 | K6-32 | T6-32 | J6-32 | 2.00 |
| A6-40 | AD6-40 | B6-40 | D6-40 | DD6-40 | E6-40 | K6-40 | T6-40 | J6-40 | 2.500 |
| A6-48 | AD6-48 | B6-48 | D6-48 | DD6-48 | E6-48 | K6-48 | T6-48 | J6-48 | 3.00 |

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-173 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-T62 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | |
| 7/32 NOM DIA. | | | | | | | | | |
| A7-6 | AD7-6 | B7-6 | D7-6 | DD7-6 | E7-6 | K7-6 | T7-6 | J7-6 | .375 |
| A7-7 | AD7-7 | B7-7 | D7-7 | DD7-7 | E7-7 | K7-7 | T7-7 | J7-7 | .4375 |
| A7-8 | AD7-8 | B7-8 | D7-8 | DD7-8 | E7-8 | K7-8 | T7-8 | J7-8 | .500 |
| A7-9 | AD7-9 | B7-9 | D7-9 | DD7-9 | E7-9 | K7-9 | T7-9 | J7-9 | .5625 |
| A7-10 | AD7-10 | B7-10 | D7-10 | DD7-10 | E7-10 | K7-10 | T7-10 | J7-10 | .625 |
| A7-12 | AD7-12 | B7-12 | D7-12 | DD7-12 | E7-12 | K7-12 | T7-12 | J7-12 | .750 |
| A7-14 | AD7-14 | B7-14 | D7-14 | DD7-14 | E7-14 | K7-14 | T7-14 | J7-14 | .875 |
| A7-16 | AD7-16 | B7-16 | D7-16 | DD7-16 | E7-16 | K7-16 | T7-16 | J7-16 | 1.00 |
| A7-18 | AD7-18 | B7-18 | D7-18 | DD7-18 | E7-18 | K7-18 | T7-18 | J7-18 | 1.125 |
| A7-20 | AD7-20 | B7-20 | D7-20 | DD7-20 | E7-20 | K7-20 | T7-20 | J7-20 | 1.250 |
| A7-22 | AD7-22 | B7-22 | D7-22 | DD7-22 | E7-22 | K7-22 | T7-22 | J7-22 | 1.375 |
| A7-24 | AD7-24 | B7-24 | D7-24 | DD7-24 | E7-24 | K7-24 | T7-24 | J7-24 | 1.500 |
| A7-28 | AD7-28 | B7-28 | D7-28 | DD7-28 | E7-28 | K7-28 | T7-28 | J7-28 | 1.750 |
| A7-32 | AD7-32 | B7-32 | D7-32 | DD7-32 | E7-32 | K7-32 | T7-32 | J7-32 | 2.00 |
| A7-40 | AD7-40 | B7-40 | D7-40 | DD7-40 | E7-40 | K7-40 | T7-40 | J7-40 | 2.500 |
| A7-48 | AD7-48 | B7-48 | D7-48 | DD7-48 | E7-48 | K7-48 | T7-48 | J7-48 | 3.00 |

| | | |
|--|---|--|
| PREPARING ACTIVITY: NAVY-AS CUSTODIANS: ARMY-AR NAVY- AIR FORCE-89 DLA- REVIEW: AV, GL, IS, ME, MI, OS, 82 USER: MC PROJECT NUMBER: 5320-0805 | MILITARY SPECIFICATION SHEET TITLE RIVET, SOLID, COUNTERSUNK 100, PRECISION HEAD, ALUMINUM AND TITANIUM COLUMBIUM ALLOY | SPECIFICATION SHEET NUMBER MS20426 14 SEP 93 REV L SUPERSEDING MS20426 K 28 JAN 91 AMSC- N/A FSC 5320 |
| DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited. | | Page <u>4</u> of <u>5</u> |

Form Approved
OMB No. 0704-0188

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODSS SPECIFIED IN THE SOLICITATION: MIL-R-5874

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

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-T73 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-T62 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | |
| 1/4 NOM DIA. | | | | | | | | | |
| AB-6 | AD8-6 | B8-6 | D8-6 | DD8-6 | E8-6 | K8-6 | T8-6 | J8-6 | .375 |
| AB-7 | AD8-7 | B8-7 | D8-7 | DD8-7 | E8-7 | K8-7 | T8-7 | J8-7 | .4375 |
| AB-8 | AD8-8 | B8-8 | D8-8 | DD8-8 | E8-8 | K8-8 | T8-8 | J8-8 | .500 |
| AB-9 | AD8-9 | B8-9 | D8-9 | DD8-9 | E8-9 | K8-9 | T8-9 | J8-9 | .5625 |
| AB-10 | AD8-10 | B8-10 | D8-10 | DD8-10 | E8-10 | K8-10 | T8-10 | J8-10 | .625 |
| AB-12 | AD8-12 | B8-12 | D8-12 | DD8-12 | E8-12 | K8-12 | T8-12 | J8-12 | .750 |
| AB-14 | AD8-14 | B8-14 | D8-14 | DD8-14 | E8-14 | K8-14 | T8-14 | J8-14 | .875 |
| AB-16 | AD8-16 | B8-16 | D8-16 | DD8-16 | E8-16 | K8-16 | T8-16 | J8-16 | 1.00 |
| AB-18 | AD8-18 | B8-18 | D8-18 | DD8-18 | E8-18 | K8-18 | T8-18 | J8-18 | 1.125 |
| AB-20 | AD8-20 | B8-20 | D8-20 | DD8-20 | E8-20 | K8-20 | T8-20 | J8-20 | 1.250 |
| AB-22 | AD8-22 | B8-22 | D8-22 | DD8-22 | E8-22 | K8-22 | T8-22 | J8-22 | 1.375 |
| AB-24 | AD8-24 | B8-24 | D8-24 | DD8-24 | E8-24 | K8-24 | T8-24 | J8-24 | 1.500 |
| AB-28 | AD8-28 | B8-28 | D8-28 | DD8-28 | E8-28 | K8-28 | T8-28 | J8-28 | 1.750 |
| AB-32 | AD8-32 | B8-32 | D8-32 | DD8-32 | E8-32 | K8-32 | T8-32 | J8-32 | 2.00 |
| | AD8-34 | | | | | | | | 2.125 |
| AB-40 | AD8-40 | B8-40 | D8-40 | DD8-40 | E8-40 | K8-40 | T8-40 | J8-40 | 2.500 |
| AB-48 | AD8-48 | B8-48 | D8-48 | DD8-48 | E8-48 | K8-48 | T8-48 | J8-48 | 3.00 |

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-T73 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-T62 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | |
| 5/16 NOM DIA. | | | | | | | | | |
| A10-7 | AD10-7 | B10-7 | D10-7 | DD10-7 | E10-7 | K10-7 | T10-7 | J10-7 | .4375 |
| A10-8 | AD10-8 | B10-8 | D10-8 | DD10-8 | E10-8 | K10-8 | T10-8 | J10-8 | .500 |
| A10-9 | AD10-9 | B10-9 | D10-9 | DD10-9 | E10-9 | K10-9 | T10-9 | J10-9 | .5625 |
| A10-10 | AD10-10 | B10-10 | D10-10 | DD10-10 | E10-10 | K10-10 | T10-10 | J10-10 | .625 |
| A10-12 | AD10-12 | B10-12 | D10-12 | DD10-12 | E10-12 | K10-12 | T10-12 | J10-12 | .750 |
| A10-14 | AD10-14 | B10-14 | D10-14 | DD10-14 | E10-14 | K10-14 | T10-14 | J10-14 | .875 |
| A10-16 | AD10-16 | B10-16 | D10-16 | DD10-16 | E10-16 | K10-16 | T10-16 | J10-16 | 1.00 |
| A10-18 | AD10-18 | B10-18 | D10-18 | DD10-18 | E10-18 | K10-18 | T10-18 | J10-18 | 1.125 |
| A10-20 | AD10-20 | B10-20 | D10-20 | DD10-20 | E10-20 | K10-20 | T10-20 | J10-20 | 1.250 |
| A10-22 | AD10-22 | B10-22 | D10-22 | DD10-22 | E10-22 | K10-22 | T10-22 | J10-22 | 1.375 |
| A10-24 | AD10-24 | B10-24 | D10-24 | DD10-24 | E10-24 | K10-24 | T10-24 | J10-24 | 1.500 |
| A10-28 | AD10-28 | B10-28 | D10-28 | DD10-28 | E10-28 | K10-28 | T10-28 | J10-28 | 1.750 |
| A10-32 | AD10-32 | B10-32 | D10-32 | DD10-32 | E10-32 | K10-32 | T10-32 | J10-32 | 2.00 |
| A10-40 | AD10-40 | B10-40 | D10-40 | DD10-40 | E10-40 | K10-40 | T10-40 | J10-40 | 2.500 |
| A10-48 | AD10-48 | B10-48 | D10-48 | DD10-48 | E10-48 | K10-48 | T10-48 | J10-48 | 3.00 |

| ALUMINUM 1100-F | ALUMINUM 2117-T4 | ALUMINUM 5056-H32 | ALUMINUM 2017-T4 INACTIVE | ALUMINUM 2024-T4 INACTIVE | ALUMINUM 7050-T73 | ALUMINUM 2219-T81 INACTIVE | TITANIUM 45 Cb | ALUMINUM 2219-T62 | LENGTH |
|-----------------|------------------|-------------------|---------------------------|---------------------------|-------------------|----------------------------|----------------|-------------------|--------|
| DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | DASH NO. | |
| 3/16 NOM DIA. | | | | | | | | | |
| A12-8 | AD12-8 | B12-8 | D12-8 | DD12-8 | E12-8 | K12-8 | T12-8 | J12-8 | .500 |
| A12-9 | AD12-9 | B12-9 | D12-9 | DD12-9 | E12-9 | K12-9 | T12-9 | J12-9 | .5625 |
| A12-10 | AD12-10 | B12-10 | D12-10 | DD12-10 | E12-10 | K12-10 | T12-10 | J12-10 | .625 |
| A12-12 | AD12-12 | B12-12 | D12-12 | DD12-12 | E12-12 | K12-12 | T12-12 | J12-12 | .750 |
| A12-14 | AD12-14 | B12-14 | D12-14 | DD12-14 | E12-14 | K12-14 | T12-14 | J12-14 | .875 |
| A12-16 | AD12-16 | B12-16 | D12-16 | DD12-16 | E12-16 | K12-16 | T12-16 | J12-16 | 1.00 |
| A12-18 | AD12-18 | B12-18 | D12-18 | DD12-18 | E12-18 | K12-18 | T12-18 | J12-18 | 1.125 |
| A12-20 | AD12-20 | B12-20 | D12-20 | DD12-20 | E12-20 | K12-20 | T12-20 | J12-20 | 1.250 |
| A12-22 | AD12-22 | B12-22 | D12-22 | DD12-22 | E12-22 | K12-22 | T12-22 | J12-22 | 1.375 |
| A10-24 | AD12-24 | B12-24 | D12-24 | DD12-24 | E12-24 | K12-24 | T12-24 | J12-24 | 1.500 |
| A12-28 | AD12-28 | B12-28 | D12-28 | DD12-28 | E12-28 | K12-28 | T12-28 | J12-28 | 1.750 |
| A12-32 | AD12-32 | B12-32 | D12-32 | DD12-32 | E12-32 | K12-32 | T12-32 | J12-32 | 2.00 |
| A12-40 | AD12-40 | B12-40 | D12-40 | DD12-40 | E12-40 | K12-40 | T12-40 | J12-40 | 2.500 |
| A12-48 | AD12-48 | B12-48 | D12-48 | DD12-48 | E12-48 | K12-48 | T12-48 | J12-48 | 3.00 |

| | | |
|---|---|--|
| PREPARING ACTMITY:NAVY-AS CUSTODIANS: ARMY-AR NAVY- AIR FORCE-99 DLA- REVIEW:AV, GL, IS, ME, MI, OS, 82 USER: MC PROJECT NUMBER: 5320-0805 DISTRIBUTION STATEMENT | MILITARY SPECIFICATION SHEET TITLE RIVET, SOLID, COUNTERSUNK 100, PRECISION HEAD, ALUMINUM AND TITANIUM COLUMBIUM ALLOY | SPECIFICATION SHEET NUMBER MS20426 14 SEP 83 REV L SUPERSEDING MS20426 K 28 JAN 91 ANSC- N/A FSC 5320 |
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