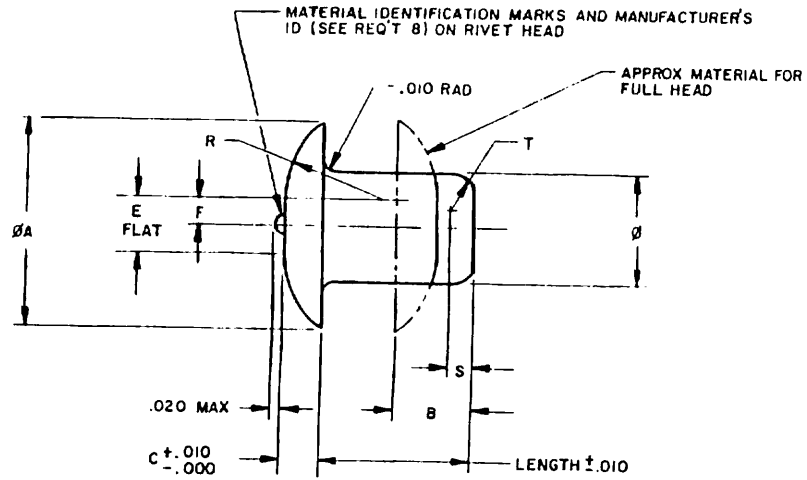


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN BY THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION, MIL-R-5674



MATERIAL IDENTIFICATION MARKS

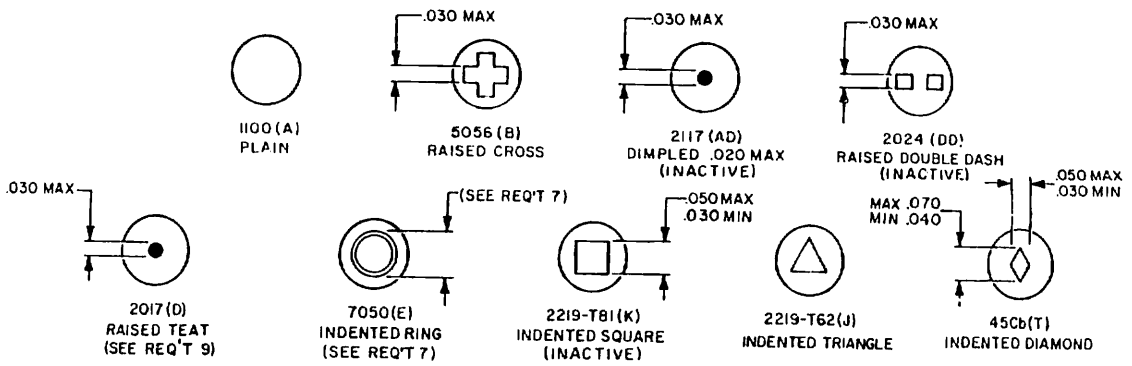


TABLE I. RIVET DIMENSIONS

NOM DIA	Ø	ØA	B	C	E	F	R	S	T RAD
1/16	.062	.125 ±.006	.094	.027	.031	.015	.054	.016	.019
3/32	.094	.187 ±.009	.141	.040	.046	.023	.082	.023	.029
1/8	.125	.250 ±.012	.188	.054	.062	.031	.108	.031	.039
5/32	.156	.312 ±.016	.234	.067	.078	.039	.135	.039	.049
3/16	.187	.375 ±.019	.281	.080	.093	.046	.164	.047	.059
7/32	.219	.437 ±.022	.328	.093	.109	.054	.193	.054	.069
1/4	.250	.500 ±.025	.375	.107	.125	.062	.217	.062	.078
5/16	.312	.625 ±.031	.469	.133	.156	.078	.272	.078	.098
3/8	.375	.750 ±.037	.562	.161	.187	.093	.328	.094	.117

1/ TOLERANCE CHANGE APPLIES TO RIVETS MANUFACTURED AFTER 2 JULY 1990.

(G) DENOTES CHANGES

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

PREPARING ACTIVITY: NAVY-AS
 CUSTODIANS: ARMY-AR NAVY-
 AIR FORCE-99 DLA-
 ARMY-ME, GL, MI, AV NAVY-OS
 REVIEW: DLA-IS AF-82
 USER: NAVY-MC
 PROJECT NUMBER: 5320-0758

MILITARY SPECIFICATION SHEET
 TITLE: RIVET, SOLID UNIVERSAL HEAD,
 ALUMINUM ALLOY AND TITANIUM
 COLUMBIUM ALLOY

SPECIFICATION SHEET NUMBER
MS20470 28 JAN 91
 REV G
 SUPERSEDING
 MS20470, REV F, 12 JULY 1989
 ANSC- N/A FSC:5320

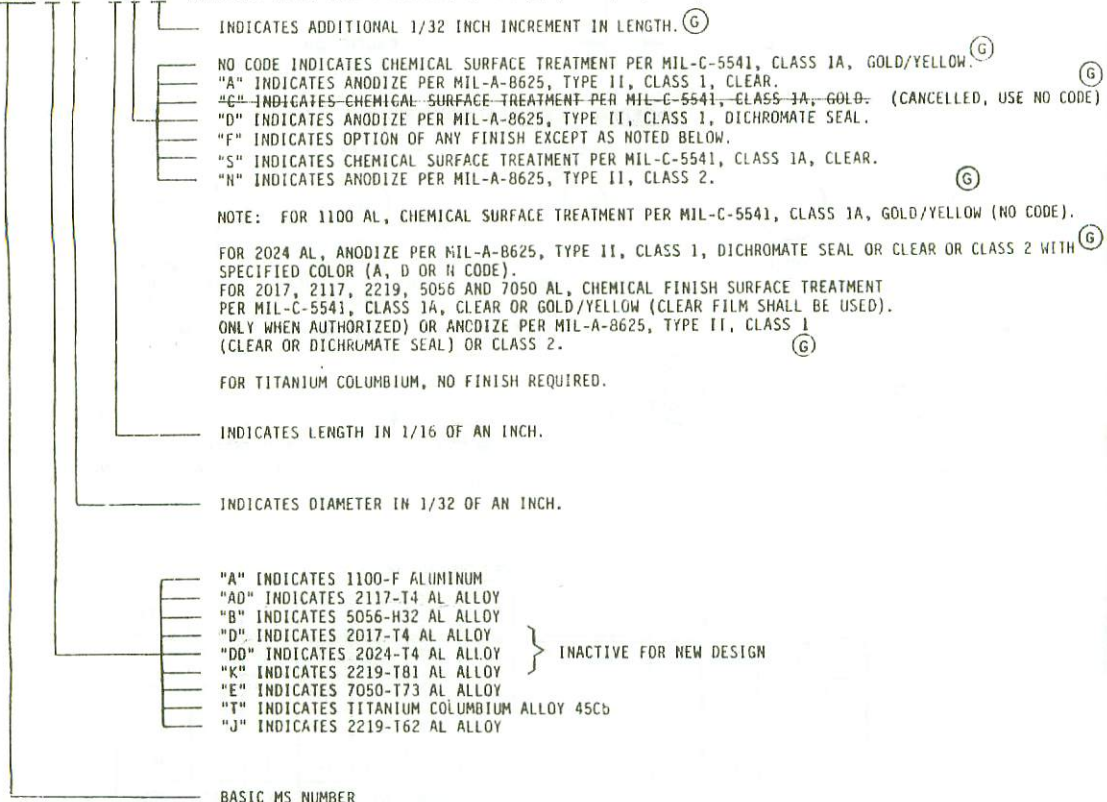
DISTRIBUTION STATEMENT A Approved for public release; distribution is unlimited.

Page 1 of 5

REQUIREMENTS:

1. RIVETS MAY BE FURNISHED WITH PLAIN ENDS, OR ENDS CHAMFERED UP TO 20° TO THE "S" DIMENSION, OR MAY HAVE A RADIUS TO THE "T" DIMENSION.
2. 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 (R58450) PER AMS 4982.
3. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010.
4. FOR PART NUMBERS OF RIVET LENGTH NOT LISTED SHOW 1/16 INCREMENT REQUIRED.
5. ADDITIONAL 1/32 LENGTH INCREMENTS MAY BE OBTAINED BY ADDING -5 AFTER THE LAST DIGIT OR LETTER IN PART NUMBER.
6. EXAMPLE OF PART NUMBER:

MS20470 AD 4 - 12 A -5 = ALUMINUM ALLOY 2117-T4 RIVET, 1/8 DIA, (3/4 + 1/32) LONG, ANODIZE CLEAR.



7. OUTER DIAMETER OF INDENTED RING (7050 RIVETS) SHALL BE A MAXIMUM OF 75% OF RIVET SHANK DIAMETER. THE MAXIMUM DEPTH OF THE RING SHALL BE .010 INCH. INDENTED RING IS REQUIRED ON 7050 RIVETS MANUFACTURED AFTER 2 JULY 1990.
8. MANUFACTURER'S IDENTIFICATION IS REQUIRED TO BE DEPRESSED ON RIVET HEADS WITH A SHANK DIAMETER .125 INCH AND LARGER MANUFACTURED AFTER 2 JULY 1990.
9. ALUMINUM ALLOY 2017-T4 RIVETS WITH 33KSI MIN. UNDRIVEN SHEAR STRENGTH ARE ACCEPTABLE UNTIL 2 JULY 1990.
10. INTERCHANGEABILITY RELATION WITH AN470 RIVETS: MS20470 RIVETS OF LIKE DASH NUMBERS ARE UNIVERSALLY, FUNCTIONALLY, AND DIMENSIONALLY INTERCHANGEABLE.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

PREPARING ACTIVITY: NAVY-AS
 CUSTODIANS: ARMY - AR NAVY-
 AIR FORCE - 99 DLA-
 ARMY - ME, GL, MI, AV NAVY-OS
 REVIEW: DLA - IS AF - B2
 USER: NAVY-MC
 PROJECT NUMBER 5320-0758

MILITARY SPECIFICATION SHEET
 TITLE: RIVET, SOLID UNIVERSAL HEAD,
 ALUMINUM ALLOY AND TITANIUM
 COLUMBIUM ALLOY

SPECIFICATION SHEET NUMBER
MS20470, 28 JAN 91
 REV G
 SUPERSEDING
 MS20470, REV F, 12 JULY 1989
 AMSC - N/A FSC:5320

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

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

(6)

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.	
1/16 NOM DIA									
A2-3	AD2-3	B2-3	D2-3	DD2-3	E2-3	K2-3	T2-3	J2-3	.188
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	.312
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	.438
A2-8	AD2-8	B2-8	D2-8	DD2-8	E2-8	K2-8	T2-8	J2-8	.500
A2-9	AD2-9	B2-9	D2-9	DD2-9	E2-9	K2-9	T2-9	J2-9	.562
A2-10	AD2-10	B2-10	D2-10	DD2-10	E2-10	K2-10	T2-10	J2-10	.625
A2-12	AD2-12	B2-12	D2-12	DD2-12	E2-12	K2-12	T2-12	J2-12	.750
A2-14	AD2-14	B2-14	D2-14	DD2-14	E2-14	K2-14	T2-14	J2-14	.875
A2-16	AD2-16	B2-16	D2-16	DD2-16	E2-16	K2-16	T2-16	J2-16	1.000
A2-18	AD2-18	B2-18	D2-18	DD2-18	E2-18	K2-18	T2-18	J2-18	1.125
A2-20	AD2-20	B2-20	D2-20	DD2-20	E2-20	K2-20	T2-20	J2-20	1.250

(6)

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.	
3/32 NOM DIA									
A3-3	AD3-3	B3-3	D3-3	DD3-3	E3-3	K3-3	T3-3	J3-3	.188
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	.312
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	.438
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	.562
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
A3-18	AD3-18	B3-18	D3-18	DD3-18	E3-18	K3-18	T3-18	J3-18	1.125
A3-20	AD3-20	B3-20	D3-20	DD3-20	E3-20	K3-20	T3-20	J3-20	1.250
A3-22	AD3-22	B3-22	D3-22	DD3-22	E3-22	K3-22	T3-22	J3-22	1.375

(6)

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.	
1/8 NOM DIA									
A4-3	AD4-3	B4-3	D4-3	DD4-3	E4-3	K4-3	T4-3	J4-3	.188
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	.312
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	.438
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	.562
A4-10	AD4-10	B4-10	D4-10	DD4-10	E4-10	K4-10	T4-10	J4-10	.625
A4-11	AD4-11	B4-11	D4-11	DD4-11	E4-11	K4-11	T4-11	J4-11	.687
A4-12	AD4-12	B4-12	D4-12	DD4-12	E4-12	K4-12	T4-12	J4-12	.750
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

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PREPARING ACTIVITY: NAVY-AS
CUSTODIANS: ARMY-AR NAVY-
AIR FORCE-99 DLA-
ARMY-ME, GL, MI, AV NAVY-OS
REVIEW: DLA-IS AF-B2
USER: NAVY-MC
PROJECT NUMBER: 5320-0758

MILITARY SPECIFICATION SHEET

TITLE: RIVET, SOLID UNIVERSAL HEAD,
ALUMINUM ALLOY AND TITANIUM
COLUMBIUM ALLOY

SPECIFICATION SHEET NUMBER
MS20470 28 JAN 91
REV G

SUPERSEDING
MS20470, REV F, 12 JULY 1989

AMSC- N/A FSC:5320

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

Page 3 of 5

(G)

ALUMINUM 1100-F	ALUMINUM 2117-T4	ALUMINUM 5056-H32	ALUMINUM 2017-T4 INACTIVE	ALUMINUM 2024-T4 INACTIVE	ALUMINUM 7050-T73	ALUMINUM 2219-T81 INACTIVE	ALUMINUM 2219-T62	TITANIUM 45 Cb	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	J5-4	T5-4	.250
A5-5	AD5-5	B5-5	D5-5	DD5-5	E5-5	K5-5	J5-5	T5-5	.312
A5-6	AD5-6	B5-6	D5-6	DD5-6	E5-6	K5-6	J5-6	T5-6	.375
A5-7	AD5-7	B5-7	D5-7	DD5-7	E5-7	K5-7	J5-7	T5-7	.438
A5-8	AD5-8	B5-8	D5-8	DD5-8	E5-8	K5-8	J5-8	T5-8	.500
A5-9	AD5-9	B5-9	D5-9	DD5-9	E5-9	K5-9	J5-9	T5-9	.562
A5-10	AD5-10	B5-10	D5-10	DD5-10	E5-10	K5-10	J5-10	T5-10	.625
	AD5-11					K5-11	J5-11		.687
A5-12	AD5-12	B5-12	D5-12	DD5-12	E5-12	K5-12	J5-12	T5-12	.750
A5-14	AD5-14	B5-14	D5-14	DD5-14	E5-14	K5-14	J5-14	T5-14	.875
A5-16	AD5-16	B5-16	D5-16	DD5-16	E5-16	K5-16	J5-16	T5-16	1.000
	AD5-17					K5-17			1.062
A5-18	AD5-18	B5-18	D5-18	DD5-18	E5-18	K5-18	J5-18	T5-18	1.125
	AD5-19					K5-19	J5-19		1.187
A5-20	AD5-20	B5-20	D5-20	DD5-20	E5-20	K5-20	J5-20	T5-20	1.250
A5-22	AD5-22	B5-22	D5-22	DD5-22	E5-22	K5-22	J5-22	T5-22	1.375
A5-24	AD5-24	B5-24	D5-24	DD5-24	E5-24	K5-24	J5-24	T5-24	1.500
A5-28	AD5-28	B5-28	D5-28	DD5-28	E5-28	K5-28	J5-28	T5-28	1.750

ALUMINUM 1100-F	ALUMINUM 2117-T4	ALUMINUM 5056-H32	ALUMINUM 2017-T4 INACTIVE	ALUMINUM 2024-T4 INACTIVE	ALUMINUM 7050-T73	ALUMINUM 2219-T81 INACTIVE	ALUMINUM 2219-T62	TITANIUM 45 Cb	LENGTH
DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	
3/16 NOM DIA									
A6-4	AD6-4	B6-4	D6-4	DD6-4	E6-4	K6-4	J6-4	T6-4	.187
A6-5	AD6-5	B6-5	D6-5	DD6-5	E6-5	K6-5	J6-5	T6-5	.250
A6-6	AD6-6	B6-6	D6-6	DD6-6	E6-6	K6-6	J6-6	T6-6	.312
A6-7	AD6-7	B6-7	D6-7	DD6-7	E6-7	K6-7	J6-7	T6-7	.375
A6-8	AD6-8	B6-8	D6-8	DD6-8	E6-8	K6-8	J6-8	T6-8	.438
A6-9	AD6-9	B6-9	D6-9	DD6-9	E6-9	K6-9	J6-9	T6-9	.500
A6-10	AD6-10	B6-10	D6-10	DD6-10	E6-10	K6-10	J6-10	T6-10	.562
	AD6-11	B6-11				K6-11			.625
A6-12	AD6-12	B6-12	D6-12	DD6-12	E6-12	K6-12	J6-12	T6-12	.687
	AD6-13								.750
A6-14	AD6-14	B6-14	D6-14	DD6-14	E6-14	K6-14	J6-14	T6-14	.812
A6-16	AD6-16	B6-16	D6-16	DD6-16	E6-16	K6-16	J6-16	T6-16	.875
A6-18	AD6-18	B6-18	D6-18	DD6-18	E6-18	K6-18	J6-18	T6-18	1.000
A6-20	AD6-20	B6-20	D6-20	DD6-20	E6-20	K6-20	J6-20	T6-20	1.125
A6-22	AD6-22	B6-22	D6-22	DD6-22	E6-22	K6-22	J6-22	T6-22	1.250
A6-24	AD6-24	B6-24	D6-24	DD6-24	E6-24	K6-24	J6-24	T6-24	1.375
A6-28	AD6-28	B6-28	D6-28	DD6-28	E6-28	K6-28	J6-28	T6-28	1.500
A6-32	AD6-32	B6-32	D6-32	DD6-32	E6-32	K6-32	J6-32	T6-32	1.750
	AD6-36								2.000
A6-40	AD6-40	B6-40	D6-40	DD6-40	E6-40	K6-40	J6-40	T6-40	2.250
A6-48	AD6-48	B6-48	D6-48	DD6-48	E6-48	K6-48	J6-48	T6-48	2.500

ALUMINUM 1100-F	ALUMINUM 2117-T4	ALUMINUM 5056-H32	ALUMINUM 2017-T4 INACTIVE	ALUMINUM 2024-T4 INACTIVE	ALUMINUM 7050-T73	ALUMINUM 2219-T81 INACTIVE	ALUMINUM 2219-T62	TITANIUM 45 Cb	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	J7-6	T7-6	.375
A7-7	AD7-7	B7-7	D7-7	DD7-7	E7-7	K7-7	J7-7	T7-7	.438
A7-8	AD7-8	B7-8	D7-8	DD7-8	E7-8	K7-8	J7-8	T7-8	.500
A7-9	AD7-9	B7-9	D7-9	DD7-9	E7-9	K7-9	J7-9	T7-9	.562
A7-10	AD7-10	B7-10	D7-10	DD7-10	E7-10	K7-10	J7-10	T7-10	.625
A7-12	AD7-12	B7-12	D7-12	DD7-12	E7-12	K7-12	J7-12	T7-12	.750
A7-14	AD7-14	B7-14	D7-14	DD7-14	E7-14	K7-14	J7-14	T7-14	.875
A7-16	AD7-16	B7-16	D7-16	DD7-16	E7-16	K7-16	J7-16	T7-16	1.000
A7-18	AD7-18	B7-18	D7-18	DD7-18	E7-18	K7-18	J7-18	T7-18	1.125
A7-20	AD7-20	B7-20	D7-20	DD7-20	E7-20	K7-20	J7-20	T7-20	1.250
A7-22	AD7-22	B7-22	D7-22	DD7-22	E7-22	K7-22	J7-22	T7-22	1.375
A7-24	AD7-24	B7-24	D7-24	DD7-24	E7-24	K7-24	J7-24	T7-24	1.500
A7-28	AD7-28	B7-28	D7-28	DD7-28	E7-28	K7-28	J7-28	T7-28	1.750
A7-32	AD7-32	B7-32	D7-32	DD7-32	E7-32	K7-32	J7-32	T7-32	2.000
A7-40	AD7-40	B7-40	D7-40	DD7-40	E7-40	K7-40	J7-40	T7-40	2.500
A7-48	AD7-48	B7-48	D7-48	DD7-48	E7-48	K7-48	J7-48	T7-48	3.000
A7-56	AD7-56	B7-56	D7-56	DD7-56	E7-56	K7-56	J7-56	T7-56	3.500

PREPARING ACTIVITY: NAVY-AS
CUSTODIANS: ARMY-AR NAVY--
AIR FORCE-99 DLA-
ARMY-ME, GL, MI, AV NAVY-OS
REVIEW: DLA- IS AF-B2
USER: NAVY-MC
PROJECT NUMBER: 5320-0758
DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET
TITLE: RIVET, SOLID UNIVERSAL HEAD,
ALUMINUM ALLOY AND TITANIUM
COLUMBIUM ALLOY

SPECIFICATION SHEET NUMBER
MS20470 28 JAN 91
REV G
SUPERSEDING
MS20470, REV F, 12 JULY 1989
AMSC N/A FSC 5320

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DD FORM 672

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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	ALUMINUM 2219-T62	TITANIUM 45 Cb	LENGTH
DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	
1/4 NOM DIA									
A8-6	ADB-6	B8-6	D8-6	DD8-6	E8-6	K8-6	J8-6	T8-6	.375
A8-7	ADB-7	B8-7	D8-7	DD8-7	E8-7	K8-7	J8-7	T8-7	.438
A8-8	ADB-8	B8-8	D8-8	DD8-8	E8-8	K8-8	J8-8	T8-8	.500
A8-9	ADB-9	B8-9	D8-9	DD8-9	E8-9	K8-9	J8-9	T8-9	.562
A8-10	ADB-10	B8-10	D8-10	DD8-10	E8-10	K8-10	J8-10	T8-10	.625
A8-12	ADB-12	B8-12	D8-12	DD8-12	E8-12	K8-12	J8-12	T8-12	.750
A8-14	ADB-14	B8-14	D8-14	DD8-14	E8-14	K8-14	J8-14	T8-14	.875
A8-16	ADB-16	B8-16	D8-16	DD8-16	E8-16	K8-16	J8-16	T8-16	1.000
A8-18	ADB-18	B8-18	D8-18	DD8-18	E8-18	K8-18	J8-18	T8-18	1.125
A8-20	ADB-20	B8-20	D8-20	DD8-20	E8-20	K8-20	J8-20	T8-20	1.250
A8-22	ADB-22	B8-22	D8-22	DD8-22	E8-22	K8-22	J8-22	T8-22	1.375
A8-24	ADB-24	B8-24	D8-24	DD8-24	E8-24	K8-24	J8-24	T8-24	1.500
A8-28	ADB-28	B8-28	D8-28	DD8-28	E8-28	K8-28	J8-28	T8-28	1.750
A8-32	ADB-32	B8-32	D8-32	DD8-32	E8-32	K8-32	J8-32	T8-32	2.000
A8-40	ADB-40	B8-40	D8-40	DD8-40	E8-40	K8-40	J8-40	T8-40	2.500
A8-48	ADB-48	B8-48	D8-48	DD8-48	E8-48	K8-48	J8-48	T8-48	3.000
A8-56	ADB-56	B8-56	D8-56	DD8-56	E8-56	K8-56	J8-56	T8-56	3.500

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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	ALUMINUM 2219-T62	TITANIUM 45 Cb	LENGTH
DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	
5/16 NOM DIA									
A10-8	AD10-8	B10-8	D10-8	DD10-8	E10-8	K10-8	J10-8	T10-8	.500
A10-9	AD10-9	B10-9	D10-9	DD10-9	E10-9	K10-9	J10-9	T10-9	.562
A10-10	AD10-10	B10-10	D10-10	DD10-10	E10-10	K10-10	J10-10	T10-10	.625
A10-12	AD10-12	B10-12	D10-12	DD10-12	E10-12	K10-12	J10-12	T10-12	.750
A10-14	AD10-14	B10-14	D10-14	DD10-14	E10-14	K10-14	J10-14	T10-14	.875
A10-16	AD10-16	B10-16	D10-16	DD10-16	E10-16	K10-16	J10-16	T10-16	1.000
A10-18	AD10-18	B10-18	D10-18	DD10-18	E10-18	K10-18	J10-18	T10-18	1.125
A10-20	AD10-20	B10-20	D10-20	DD10-20	E10-20	K10-20	J10-20	T10-20	1.250
A10-22	AD10-22	B10-22	D10-22	DD10-22	E10-22	K10-22	J10-22	T10-22	1.375
A10-24	AD10-24	B10-24	D10-24	DD10-24	E10-24	K10-24	J10-24	T10-24	1.500
A10-28	AD10-28	B10-28	D10-28	DD10-28	E10-28	K10-28	J10-28	T10-28	1.750
A10-32	AD10-32	B10-32	D10-32	DD10-32	E10-32	K10-32	J10-32	T10-32	2.000
A10-40	AD10-40	B10-40	D10-40	DD10-40	E10-40	K10-40	J10-40	T10-40	2.500
A10-48	AD10-48	B10-48	D10-48	DD10-48	E10-48	K10-48	J10-48	T10-48	3.000
A10-56	AD10-56	B10-56	D10-56	DD10-56	E10-56	K10-56	J10-56	T10-56	3.500
A10-64	AD10-64	B10-64	D10-64	DD10-64	E10-64	K10-64	J10-64	T10-64	4.000

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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	ALUMINUM 2219-T62	TITANIUM 45 Cb	LENGTH
DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	
3/8 NOM DIA									
A12-10	AD12-10	B12-10	D12-10	DD12-10	E12-10	K12-10	J12-10	T12-10	.625
A12-12	AD12-12	B12-12	D12-12	DD12-12	E12-12	K12-12	J12-12	T12-12	.750
A12-14	AD12-14	B12-14	D12-14	DD12-14	E12-14	K12-14	J12-14	T12-14	.875
A12-16	AD12-16	B12-16	D12-16	DD12-16	E12-16	K12-16	J12-16	T12-16	1.000
A12-18	AD12-18	B12-18	D12-18	DD12-18	E12-18	K12-18	J12-18	T12-18	1.125
A12-20	AD12-20	B12-20	D12-20	DD12-20	E12-20	K12-20	J12-20	T12-20	1.250
A12-22	AD12-22	B12-22	D12-22	DD12-22	E12-22	K12-22	J12-22	T12-22	1.375
A12-24	AD12-24	B12-24	D12-24	DD12-24	E12-24	K12-24	J12-24	T12-24	1.500
A12-28	AD12-28	B12-28	D12-28	DD12-28	E12-28	K12-28	J12-28	T12-28	1.750
A12-32	AD12-32	B12-32	D12-32	DD12-32	E12-32	K12-32	J12-32	T12-32	2.000
A12-40	AD12-40	B12-40	D12-40	DD12-40	E12-40	K12-40	J12-40	T12-40	2.500
A12-48	AD12-48	B12-48	D12-48	DD12-48	E12-48	K12-48	J12-48	T12-48	3.000
A12-56	AD12-56	B12-56	D12-56	DD12-56	E12-56	K12-56	J12-56	T12-56	3.500
A12-64	AD12-64	B12-64	D12-64	DD12-64	E12-64	K12-64	J12-64	T12-64	4.000

PREPARING ACTIVITY: NAVY-AS
CUSTODIANS: ARMY-AR NAVY-
AIR FORCE-99 DLA-
ARMY-ME, GL, MI, AV NAVY-OS
REVIEW: DLA- IS AF-82
USER: NAVY-MC
PROJECT NUMBER 5320-0758

MILITARY SPECIFICATION SHEET
TITLE: RIVET, SOLID UNIVERSAL HEAD,
ALUMINUM ALLOY AND TITANIUM
COLUMBIUM ALLOY

SPECIFICATION SHEET NUMBER
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MS20470, REV F, 12 JULY 1989
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