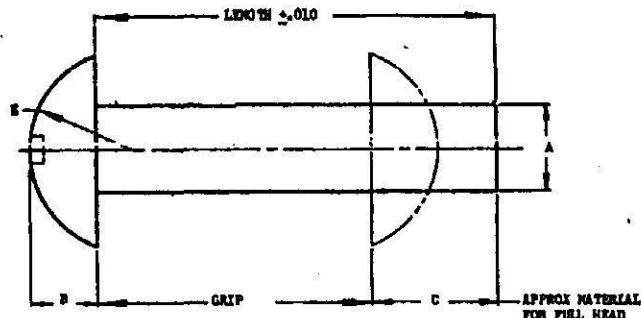
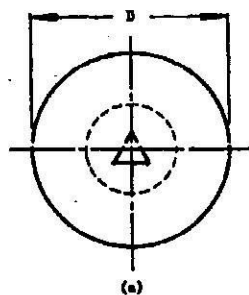


FED. SUP. CLASS
5320

A DIA		RIVET SIZE NOM DIA	B	C	D DIA	E RAD
.063	+.003	.062	.047	.091	.109	.056
.094	+.004	.094	.071	.111	.166	.084
.125	+.004	.125	.094	.188	.219	.131
.156	+.004	.156	.117	.250	.273	.138
.188	+.004	.188	.140	.281	.327	.166
.250	+.005	.250	.188	.375	.438	.221
.313	+.004	.312	.234	.489	.566	.276
.375	+.005	.375	.281	.562	.656	.332
.438	+.010	.438	.328	.625	.764	.387

(a) RECESSED TRIANGLE FOR MILD STEEL RIVET ONLY.

MATERIAL: CARBON STEEL, C-1006 STEEL WIRE, SPECIFICATION QQ-M-409 OR SPECIFICATION QQ-S-633, PS1010, ANNEALED AFTER HEADING; COMPOSITION-RESISTANT STEEL, SPECIFICATION QQ-M-423, PS302 OR PS304, CONDITION A, ANNEALED AFTER HEADING BY HEATING AT 1,950°F TO 2,000°F FOR 5 MINUTES, FOLLOWED BY WATER QUENCH; MONEL, SPECIFICATION QQ-M-261, ANNEALED; COPPER, SPECIFICATION QQ-M-341 ANNEALED.

FINISH: ONLY WHEN SPECIFIED, CADMIUM PLATE IN ACCORDANCE WITH SPECIFICATION QQ-P-416; ZINC PLATE IN ACCORDANCE WITH SPECIFICATION QQ-Z-325.

SHEAR STRENGTH: MS20435, 65,000 PSI TO 85,000 PSI.
MS20435, 49,000 PSI TO 59,000 PSI.

RIVETS SHALL DRIVE COLD SATISFACTORILY WITH A FULL HEAD FREE FROM CRACKS.

RIVETS MUST BE TRUE TO FORM, CONCENTRIC AND FREE FROM INJURIOUS SCALE, VINS, SEAMS, AND ALL OTHER INJURIOUS DEFECTS.

CADMIUM PLATED NICKEL-COPPER ALLOY (MONEL) RIVETS SHALL NOT BE USED IN APPLICATIONS WHERE THE AMBIENT TEMPERATURE IS ABOVE 600°F.

DIMENSIONS IN INCHES.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

INTERCHANGEABILITY RELATION WITH AN435 RIVETS: MS20435 RIVETS OF LIKE DASH NUMBERS ARE UNIVERSALLY, FUNCTIONALLY, AND DIMENSIONALLY INTERCHANGEABLE.

© CANCELLED AFTER 08 APR. 1968. USE MS20613 AND MS20615.

This standard has been approved by the Department of the Navy and the Department of the Army and is mandatory for use by their activities. All other military activities are required to employ this standard where applicable.

P.A. AF 82	TITLE	MILITARY STANDARD
Other Cost Navy AS	RIVET, ROUND HEAD, STEEL, MONEL AND COPPER	MS20435(ASG)
PROCUREMENT SPECIFICATION N.S.D.	SUPERSEDES: AN435	SHEET 1 OF 3

DD FORM 672-1 (limited coordination)

APPROVED 7 Feb 58 REVISED 21 Mar 58 23 Dec 60 08 Apr 1968

FED. SPEC. CLASS.
5120

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This standard has been approved by the Department of the Army and the Army Corps of Engineers and is mandatory for use by all Army and Air Force activities. All other military activities are required to comply with this standard where applicable.

CARBON STEEL		CARBON STEEL GALVANIZED		CARBON STEEL ZINC PLATED		COPPER		NOMEL		NOMEL GALVANIZED		COPPER		LENGTH
DASH NO.		DASH NO.		DASH NO.		DASH NO.		DASH NO.		DASH NO.		DASH NO.		
1/16 RIVET DIAMETER, NOMINAL														
2-2		2C2		2Z2		F2-2		N2-2		N2C2		C2-2		.125
2-3		2C3		2Z3		F2-3		N2-3		N2C3		C2-3		.188
2-4		2C4		2Z4		F2-4		N2-4		N2C4		C2-4		.250
2-5		2C5		2Z5		F2-5		N2-5		N2C5		C2-5		.312
2-6		2C6		2Z6		F2-6		N2-6		N2C6		C2-6		.375
2-7		2C7		2Z7		F2-7		N2-7		N2C7		C2-7		.438
2-8		2C8		2Z8		F2-8		N2-8		N2C8		C2-8		.500
3/32 RIVET DIAMETER, NOMINAL														
3-3		3C3		3Z3		F3-3		N3-3		N3C3		C3-3		.188
3-4		3C4		3Z4		F3-4		N3-4		N3C4		C3-4		.250
3-5		3C5		3Z5		F3-5		N3-5		N3C5		C3-5		.312
3-6		3C6		3Z6		F3-6		N3-6		N3C6		C3-6		.375
3-7		3C7		3Z7		F3-7		N3-7		N3C7		C3-7		.438
3-8		3C8		3Z8		F3-8		N3-8		N3C8		C3-8		.500
3-10		3C10		3Z10		F3-10		N3-10		N3C10		C3-10		.625
3-12		3C12		3Z12		F3-12		N3-12		N3C12		C3-12		.750
3-14		3C14		3Z14		F3-14		N3-14		N3C14		C3-14		.875
3-16		3C16		3Z16		F3-16		N3-16		N3C16		C3-16		1.000
1/8 RIVET DIAMETER, NOMINAL														
4-3		4C3		4Z3		F4-3		N4-3		N4C3		C4-3		.188
4-4		4C4		4Z4		F4-4		N4-4		N4C4		C4-4		.250
4-5		4C5		4Z5		F4-5		N4-5		N4C5		C4-5		.312
4-6		4C6		4Z6		F4-6		N4-6		N4C6		C4-6		.375
4-7		4C7		4Z7		F4-7		N4-7		N4C7		C4-7		.438
4-8		4C8		4Z8		F4-8		N4-8		N4C8		C4-8		.500
4-10		4C10		4Z10		F4-10		N4-10		N4C10		C4-10		.625
4-12		4C12		4Z12		F4-12		N4-12		N4C12		C4-12		.750
4-14		4C14		4Z14		F4-14		N4-14		N4C14		C4-14		.875
4-16		4C16		4Z16		F4-16		N4-16		N4C16		C4-16		1.000
4-20		4C20		4Z20		F4-20		N4-20		N4C20		C4-20		1.250
4-24		4C24		4Z24		F4-24		N4-24		N4C24		C4-24		1.500
5/32 RIVET DIAMETER, NOMINAL														
5-4		5C4		5Z4		F5-4		N5-4		N5C4		C5-4		.250
5-5		5C5		5Z5		F5-5		N5-5		N5C5		C5-5		.312
5-6		5C6		5Z6		F5-6		N5-6		N5C6		C5-6		.375
5-7		5C7		5Z7		F5-7		N5-7		N5C7		C5-7		.438
5-8		5C8		5Z8		F5-8		N5-8		N5C8		C5-8		.500
5-10		5C10		5Z10		F5-10		N5-10		N5C10		C5-10		.625
5-12		5C12		5Z12		F5-12		N5-12		N5C12		C5-12		.750
5-14		5C14		5Z14		F5-14		N5-14		N5C14		C5-14		.875
5-16		5C16		5Z16		F5-16		N5-16		N5C16		C5-16		1.000
5-20		5C20		5Z20		F5-20		N5-20		N5C20		C5-20		1.250
5-24		5C24		5Z24		F5-24		N5-24		N5C24		C5-24		1.500
5-28		5C28		5Z28		F5-28		N5-28		N5C28		C5-28		1.750
5-32		5C32		5Z32		F5-32		N5-32		N5C32		C5-32		2.000

P.A. AF 82
Other Code
Rev. AS

TITLE

RIVET, ROUND HEAD, STEEL, NOMEL AND COPPER

MILITARY STANDARD

MS20435(ASG)

PROCUREMENT SPECIFICATION
NCKE

SUPERSEDES: A435

SHEET 2 OF 3

672-1 (limited coordination)

REVISED FOR CHANGE SEE SHEET 1.

APPROVED

FED. SUP. CLAS.
5320

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CARBON STEEL	CARBON STEEL GALVANIZED	CARBON STEEL ZINC PLATED	CRES	MONEL	MONEL CATHOD PLATED	COPPER	LENGTH
DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	
3/16 RIVET DIAMETER, NOMINAL							
-6-1	-6C1	-6Z1	F6-1	M6-1	M6C1		.250
-6-5	-6C5	-6Z5	F6-5	M6-5	M6C5		.312
-6-6	-6C6	-6Z6	F6-6	M6-6	M6C6	C06-6	.375
-6-7	-6C7	-6Z7	F6-7	M6-7	M6C7	C06-7	.438
-6-8	-6C8	-6Z8	F6-8	M6-8	M6C8	C06-8	.500
-6-10	-6C10	-6Z10	F6-10	M6-10	M6C10	C06-10	.625
-6-12	-6C12	-6Z12	F6-12	M6-12	M6C12	C06-12	.750
-6-14	-6C14	-6Z14	F6-14	M6-14	M6C14	C06-14	.875
-6-16	-6C16	-6Z16	F6-16	M6-16	M6C16	C06-16	1.000
-6-18	-6C18	-6Z18	F6-18	M6-18	M6C18	C06-18	1.125
-6-20	-6C20	-6Z20	F6-20	M6-20	M6C20	C06-20	1.250
-6-22	-6C22	-6Z22	F6-22	M6-22	M6C22	C06-22	1.375
-6-24	-6C24	-6Z24	F6-24	M6-24	M6C24	C06-24	1.500
-6-28	-6C28	-6Z28	F6-28				1.750
-6-32	-6C32	-6Z32	F6-32				2.000
1/4 RIVET DIAMETER, NOMINAL							
-8-5	-8C5	-8Z5	F8-5	M8-5	M8C5		.312
-8-6	-8C6	-8Z6	F8-6	M8-6	M8C6		.375
-8-7	-8C7	-8Z7	F8-7	M8-7	M8C7		.438
-8-8	-8C8	-8Z8	F8-8	M8-8	M8C8		.500
-8-10	-8C10	-8Z10	F8-10	M8-10	M8C10		.625
-8-12	-8C12	-8Z12	F8-12	M8-12	M8C12		.750
-8-14	-8C14	-8Z14	F8-14	M8-14	M8C14		.875
-8-16	-8C16	-8Z16	F8-16	M8-16	M8C16		1.000
-8-20	-8C20	-8Z20	F8-20	M8-20	M8C20		1.250
-8-24	-8C24	-8Z24	F8-24	M8-24	M8C24		1.500
-8-28	-8C28	-8Z28	F8-28				1.750
-8-32	-8C32	-8Z32	F8-32				2.000
5/16 RIVET DIAMETER, NOMINAL							
-10-10	-10C10	-10Z10	F10-10				.625
-10-12	-10C12	-10Z12	F10-12				.750
-10-14	-10C14	-10Z14	F10-14				.875
-10-16	-10C16	-10Z16	F10-16				1.000
-10-20	-10C20	-10Z20	F10-20				1.250
-10-24	-10C24	-10Z24	F10-24				1.500
-10-28	-10C28	-10Z28	F10-28				1.750
-10-32	-10C32	-10Z32	F10-32				2.000
3/8 RIVET DIAMETER, NOMINAL							
-12-12	-12C12	-12Z12	F12-12				.750
-12-14	-12C14	-12Z14	F12-14				.875
-12-16	-12C16	-12Z16	F12-16				1.000
-12-20	-12C20	-12Z20	F12-20				1.250
-12-24	-12C24	-12Z24	F12-24				1.500
-12-28	-12C28	-12Z28	F12-28				1.750
-12-32	-12C32	-12Z32	F12-32				2.000
7/16 RIVET DIAMETER, NOMINAL							
-14-16	-14C16	-14Z16	F14-16				1.000
-14-20	-14C20	-14Z20	F14-20				1.250
-14-24	-14C24	-14Z24	F14-24				1.500
-14-28	-14C28	-14Z28	F14-28				1.750
-14-32	-14C32	-14Z32	F14-32				2.000

P.A. AF 82
Other Cost
Navy-- AF

TITLE

RIVET, ROUND HEAD, STEEL, MONEL AND COPPER

MILITARY STANDARD

MS20435(ASG)

PROCUREMENT SPECIFICATION
NONE

SUPERSEDES: AN135

SHEET 3 OF 3

DD FORM 672-1 (limited circulation)

E. 00000000

PROBLEM HARD

PRINTING OFFICE: 1968-301-518/5203

REVISED 1 FOR CHANGES SEE SHEET 1
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