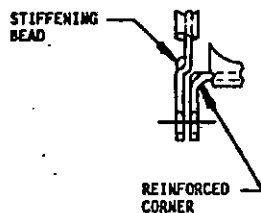
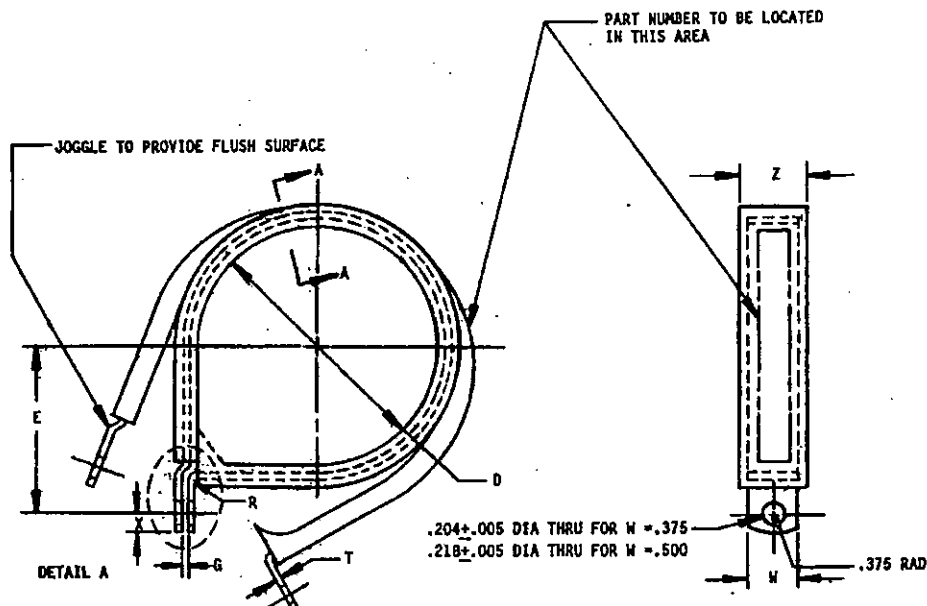
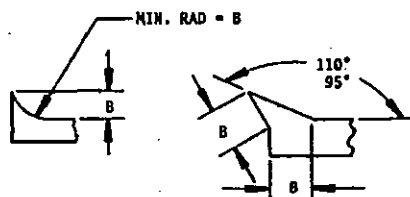


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OMB No. 0704-0188

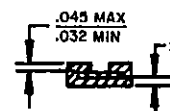
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DETAIL A
ENLARGED



ACCEPTABLE WEDGE CONFIGURATIONS



SECTION A-A
ACCEPTABLE DESIGN

(B) DENOTES CHANGES

PREPARING ACTIVITY: NAVV - AS
CUSTODIANS: ARMY - AV NAVY -
AIR FORCE - 99 DLA -
ARMY - AV, MI, AR, ME
REVIEW: NAVY - AS, AF - 82, DLA - IS
USER: ARMY - AR, MI
PROJECT NUMBER: 5340-1835

MILITARY SPECIFICATION SHEET
TITLE: CLAMP, LOOP, CUSHIONED,
WEDGE, POLYTETRAFLUORO-
ETHYLENE

SPECIFICATION SHEET NUMBER
MS21122B 14 FEB 1989
SUPERSEDING
MS21122A 2 DEC. 1970
AMSC- N/A FSC: 5340

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

Page 1 of 1

DD FORM 672 MAY 1988

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

142004

THIS SPECIFICATION IS APPROVED FOR USE
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DEPARTMENT OF DEFENSE

Form approved
OMB No. 0704-0188

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(B)

(B)

DIMENSIONS

DASH NOS.	RIGID TUBE NOMINAL OD (REF)	DIMENSIONS																	
		B		D		E		G	R		S	T		W		X		Z. MAX.	
		+	.032	+	.015 DIA	ALUM.	CRES		+.016 RAD	-.000		ALUM.	CRES	ALUM.	CRES	ALUM.	CRES	ALUM.	CRES
-1	1/16			.062	.436	.436						.020	.020	.375		.188			
-2	1/8			.125	.457	.457													
-3	3/16		.078	.188	.498	.498													
-4	1/4		.094	.250	.529	.529			.062			.0320		.375		.188		.497	
-5	5/16		.109	.313	.560	.560						+.0025							
-6	3/8			.375	.592	.592													
-7	7/16			.438	.623	.623													
-8	1/2		.125	.500	.654	.654	.062										.622		
-9	9/16			.563	.752	.749	+.016												
-10	5/8			.625	.783	.780	-.000												
-11	11/16			.688	.814	.811													
-12	3/4			.750	.845	.842						.050						.622	
-13	13/16			.813	.877	.858		.169			.025	+.004							
-14	7/8			.875	.908	.889								.500		.218			
-15	15/16			.938	.939	.920							.0320						
-16	1			1.000	.970	.951							+.0035						
-17	1-1/16			1.063	1.002	.983								.500		.218			
-18	1-1/8			1.125	1.062	1.030													
-19	1-3/16		.187	1.188	1.093	1.061													
-20	1-1/4			1.250	1.124	1.092													
-21	1-5/16			1.313	1.156	1.124		.094				.062							
-22	1-3/8			1.375	1.187	1.155	+.031	.125				+.005					.656	.658	
-23	1-7/16			1.438	1.218	1.186	-.000												
-24	1-1/2			1.500	1.249	1.217													
-25	1-9/16			1.563	1.281	1.259													
-26	1-5/8			1.625	1.312	1.280													
-27	1-11/16			1.688	1.344	1.312													

(B)

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PREPARING ACTIVITY: NAVY - AS
CUSTODIANS: ARMY-AV NAVY-
AIR FORCE-99 DLA-
REVIEW: ARMY - AV, MI, AR, ME
NAVY - AS, AF - 82, DLA - IS
USER: ARMY - AR, MI
PROJECT NUMBER: 5340-1835

MILITARY SPECIFICATION SHEET
TITLE: CLAMP, LOOP, CUSHIONED,
WEDGE, POLYTETRAFLUORO-
ETHYLENE

SPECIFICATION SHEET NUMBER
MS2122B 14 FEB 1989
SUPERSEDING
MS21122A 2 DEC. 1970
AMSC- N/A FSC: 5340

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Page 2 of 4

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143004

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DASH NOS.		RIGID TUBE NOMINAL OD (REF)	DIMENSIONS															
			B + .032 -	O + .015 DIA	E		G	R + .016 RAD	S + .016 - .000	T		N		X		Z MAX.		
					ALUM.	CRES				ALUM.	CRES	ALUM.	CRES	ALUM.	CRES			
B	-28	1-3/4	.187	1.750	1.374	1.342	.094				.0320							
	-29	1-13/16		1.812	1.406	1.374	+.031 - .000				+.0035							
	-30	1-7/8		1.875	1.437	1.405												
	-31	1-15/16		1.938	1.468	1.444												
	-32	2		2.000	1.499	1.475												
	-33	2-1/16		2.062	1.531	1.507												
	-34	2-1/8		2.125	1.562	1.538												
	-35	2-3/16		2.188	1.594	1.570												
	-36	2-1/4		2.250	1.624	1.600												
	-37	2-5/16		2.312	1.655	1.631												
B	-38	2-3/8	2.375	1.687	1.663													
	-40	2-1/2	2.500	1.752	1.728													
	-42	2-5/8	2.625	1.812	1.788													
	-43	2-11/16	2.688	1.844	1.820	.125	.125	.025	.062	.040	.500	.500	.218	.218	.656	.656		
	-44	2-3/4	2.750	1.875	1.851	+.031 - .000			+.005	+.004								
	-45	2-13/16	2.812	1.906	1.882													
	-46	2-7/8	2.875	1.937	1.913													
	-48	3	3.000	2.000	1.976													
	-50	3-1/8	3.125	2.062	2.038													
	-52	3-1/4	3.250	2.125	2.101													
B	-54	3-3/8	3.375	2.187	2.163													
	-56	3-1/2	3.500	2.250	2.226													
	-58	3-5/8	3.625	2.312	2.288													
	-64	4	4.000	2.500	2.476													
	-66	4-1/8	4.125	2.562	2.538													

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CUSTODIANS: ARMY-AV NAVY-
AIR FORCE-99 DLA-
REVIEW: ARMY - AV, MI, AR, ME
NAVY - AS, AF - 82, DLA - IS
USER: ARMY - AR, MI
PROJECT NUMBER: 5340-1835

MILITARY SPECIFICATION SHEET
TITLE: CLAMP, LOOP, CUSHIONED,
WEDGE, POLYTETRAFLUORO-
ETHYLENE

SPECIFICATION SHEET NUMBER
MS21122B 14 FEB 1989

SUPERSEDING
MS21122A 2 DEC. 1970

AMSC- N/A FSC: 5340

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Page 3 of 4

Form approved
OMB No. 0704-0188**REQUIREMENTS:****1. MATERIALS: (SEE PROCUREMENT SPECIFICATION)****(a) CLAMP BAND:**

- (1) ALUMINUM ALLOY ALCLAD 2024 PLATE AND SHEET PER QQ-A-250/5. HEAT TREATED IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.
- (2) CORROSION-RESISTANT STEEL TYPE 321 PER AMS 5510.

(b) CUSHION: MOLDED OR EXTRUDED POLYTETRAFLUOROETHYLENE (PTFE) PER ASTM D1467, TYPE 1.**2. FINISH: (SEE PROCUREMENT SPECIFICATION)****(a) CLAMP BAND:**

- (1) ALUMINUM ALLOY: ALUMINUM ALLOY BANDS SHALL BE FINISHED IN ACCORDANCE WITH MIL-C-5541, CLASS 1A.
- (2) CORROSION-RESISTANT STEEL: CORROSION-RESISTANT STEEL SHALL BE CLEANED AND PASSIVATED PER QQ-P-35, LATEST REVISION.

(b) CUSHION: POLYTETRAFLUOROETHYLENE (PTFE). CUSHION FABRICATED FROM PTFE SHALL BE SODIUM TREATED IN ACCORDANCE WITH THE SURFACE TREATMENT PARAGRAPHS OF AMS 2491 TO REDUCE THE MATERIAL LUBRICITY.**NOTES:**

1. REMOVE ALL TOOL AND DIE MARKS, BURRS AND SHARP EDGES.
2. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS ± 0.015 , ANGLES $\pm 1/2^\circ$.
3. LETTER "W" ON PART NUMBER INDICATES STANDARD WEDGE TYPE CUSHION. WEDGE (W) IS MANDATORY FOR -2 THROUGH -48 SIZE CLAMPS.
4. WEDGE IS PROHIBITED ON -1 AND -50 THROUGH -66 SIZE CLAMPS.
5. WEDGE SHALL BE MOLDED TO CUSHION USING PRESSURE AND HEAT TO ACCOMPLISH A BOND BETWEEN CUSHION AND WEDGE.
6. PART NUMBER:

ADD "C" BEFORE DASH NUMBER FOR CORROSION-RESISTANT STEEL CLAMP.

EXAMPLE OF PART NUMBERS:

FOR -2 THROUGH -48 SIZE CLAMPS (WEDGE MANDATORY)

MS21122 W - 8

CLAMP, 1/2" NOMINAL TUBE OD

ALUMINUM ALLOY BAND

STANDARD WEDGE

BASIC PART NUMBER

FOR -1, AND -50 THROUGH -66 SIZE CLAMPS (WEDGE PROHIBITED)

MS21122 C 64

CLAMP, 1/2" NOMINAL TUBE OD

CORROSION RESISTANT STEEL BAND

BASIC PART NUMBER

7. THE MS PART NUMBER, DASH NUMBER AND MANUFACTURER'S IDENTIFICATION SHALL BE MARKED ON EACH CLAMP.
8. CLAMPS SHALL BE FURNISHED IN THE OPEN POSITION.
9. DIMENSION "D" IS APPLICABLE IN CLOSED POSITION ONLY.
10. REINFORCED CORNER AND STIFFENING BEAD ARE MANDATORY.
11. 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.
12. 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.
13. CLAMP WITH NEW CUSHION MATERIAL SHALL BE USED EFFECTIVE FROM THE DATE OF THIS DOCUMENT; HOWEVER, CLAMPS WITH OLD CUSHION MATERIAL SHALL BE USED UNTIL EXISTING STOCKS ARE DEPLETED.

PREPARING ACTIVITY: NAVY - AS
CUSTODIANS: ARMY - AV NAVY -
AIR FORCE - 99 DIA -
REVIEW: ARMY - AV, MI, AR, HE
USER: NAVY - AS AF - 82 DIA - IS
PROJECT NUMBER: 6340-1835

MILITARY SPECIFICATION SHEET
TITLE CLAMP, LOOP, CUSHIONED,
WEDGE, POLYTETRAFLUORO-
ETHYLENE

SPECIFICATION SHEET NUMBER
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