

UNDS SYMBOLS:
ARMY - AT, PC
NAVY - MC, OS
USAF

REVIEWER SYMBOLS:
ARMY - AV, MI, AR
NAVY - EC, SH
USAF - 11, 99

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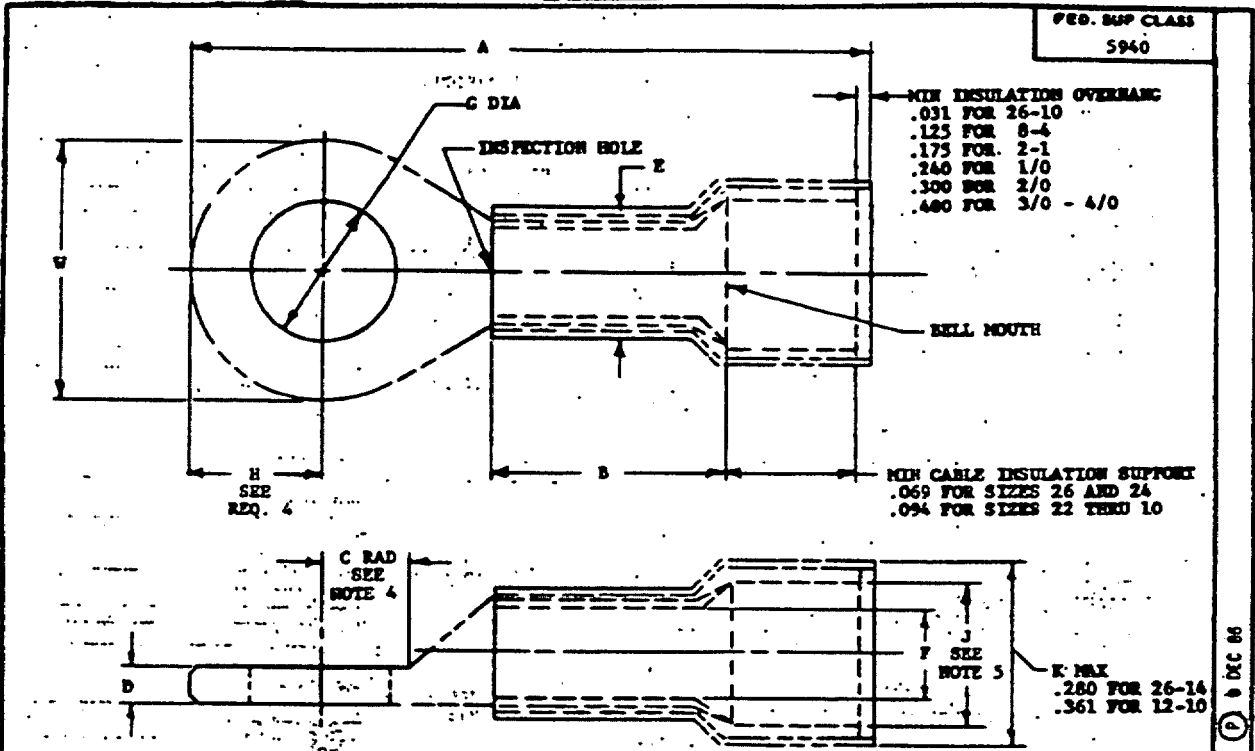


TABLE 1. METRIC CONVERSIONS

INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
.022	0.56	.133	3.38	.260	6.73	.410	10.19	.598	15.19	.865	21.97
.027	0.69	.138	3.51	.275	6.99	.418	10.62	.605	15.37	.887	22.53
.028	0.71	.139	3.53	.276	7.01	.425	10.80	.610	15.49	.890	22.61
.029	0.74	.140	3.56	.280	7.11	.430	10.90	.620	15.75	.903	22.94
.031	0.78	.142	3.61	.290	7.37	.435	11.05	.622	15.80	.910	23.11
.033	0.84	.150	3.81	.296	7.52	.437	11.10	.623	15.82	.913	23.19
.035	0.89	.152	3.86	.300	7.62	.438	11.13	.625	15.88	.930	23.62
.037	0.94	.153	3.89	.302	7.67	.450	11.43	.630	16.00	.955	24.26
.038	0.97	.156	3.96	.305	7.75	.453	11.51	.645	16.38	.956	24.28
.043	1.09	.160	4.06	.308	7.82	.458	11.63	.648	16.44	1.000	25.40
.047	1.19	.164	4.17	.310	7.87	.460	11.68	.668	16.97	1.010	25.65
.052	1.32	.168	4.27	.3125	7.94	.473	12.01	.680	17.27	1.053	26.75
.054	1.37	.171	4.34	.315	8.00	.478	12.14	.685	17.40	1.085	27.56
.069	1.75	.175	4.46	.317	8.05	.480	12.19	.690	17.53	1.090	27.69
.070	1.78	.176	4.47	.320	8.13	.500	12.70	.700	17.78	1.095	27.81
.073	1.85	.178	4.52	.323	8.20	.503	12.78	.705	17.91	1.120	28.45
.075	1.91	.186	4.72	.328	8.33	.505	12.83	.711	18.06	1.148	29.16
.081	2.06	.190	4.83	.330	8.38	.510	12.95	.718	18.24	1.225	31.12
.084	2.13	.193	4.90	.338	8.59	.513	13.03	.720	18.29	1.320	33.53
.085	2.16	.198	5.03	.343	8.71	.516	13.11	.729	18.52	1.322	33.58
.086	2.18	.202	5.13	.350	8.89	.520	13.21	.734	18.64	1.402	35.61
.090	2.29	.203	5.16	.355	9.02	.525	13.34	.740	18.80	1.414	35.92
.094	2.39	.208	5.28	.360	9.14	.536	13.61	.750	19.05	1.466	37.24
.095	2.41	.210	5.33	.361	9.17	.540	13.72	.755	19.18	1.544	39.22
.096	2.44	.215	5.46	.365	9.27	.547	13.89	.774	19.66	1.599	40.61
.098	2.49	.222	5.64	.370	9.40	.550	13.97	.783	19.89	1.762	44.75
.109	2.77	.227	5.77	.375	9.53	.557	14.15	.790	20.07	1.812	45.62
.112	2.84	.230	5.84	.380	9.65	.560	14.22	.802	20.37	1.879	47.73
.114	2.90	.232	5.89	.383	9.73	.565	14.35	.804	20.42	2.069	52.55
.120	3.05	.234	5.94	.385	9.78	.570	14.48	.810	20.57	2.150	54.61
.122	3.10	.238	6.05	.386	9.80	.573	14.55	.815	20.70	2.269	57.63
.125	3.18	.240	6.10	.388	9.86	.577	14.66	.840	21.34	2.370	60.20
.126	3.20	.245	6.22	.398	10.11	.580	14.73	.850	21.59	2.401	60.99
.129	3.28	.250	6.35	.400	10.16	.590	14.99	.853	21.67	2.525	64.14
		.253	6.53					.855	21.72	2.750	69.85
		.260	6.60					.860	21.84	3.000	76.20
										3.330	84.58

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

Ⓢ DENOTES CHANGE

P.A. NAVY - AS Other Code	INTER- NATIONAL INTEREST SEE NOTE 9	TITLE TERMINAL, LUG, CLAMP STYLE, COPPER, INSULATED, RING TONGUE, BELL-MOUTHEDED, TYPE II, CLASS 1, (FOR 105°C TOTAL CONDUCTOR TEMPERATURE)	MILITARY STANDARD MS25036
ARMY - ER USAF - 85	ACQUISITION SPECIFICATION MIL-T-792B	SUPERSEDES: MS25124 AS DWG 52A3B212	SHEET 1 OF 3

APPROVED 25 MAY 53 REVISED 28 FEB 74 19 JAN 01 19 FEB 86 8 DEC 86

FED. SUP CLASS
5940

TABLE II. DIMENSIONS

DASH NO.	TERMI- NAL SIZE	STUD SIZE	A MAX	R MIN	C MIN RAD	D		E DIA	F DIA	G DIA		J MIN DIA	W		INSU- LATING SLEEVE COVER
						MAX	MIN			MAX	MIN		MAX	MIN	
143	26-24	2(.086)	.740	.126	.133	.028	.022	.215	.033	.098	.090	.084	.210	.133	YELLOW
144		4(.112)	.755		.171					.122	.114		.260	.193	
145		6(.138)	.855		.202					.152	.142		.330	.245	
146		8(.164)	.855		.202					.178	.168				
147		10(.190)	.865		.227					.203	.193				
149	22-18	2(.086)	.740	.156	.115	.035	.027	.215	.073	.098	.090	.120	.230	.198	RED
148		4(.112)	.755		.122					.114	.260		.210		
149		6(.138)	.790		.125					.142	.260		.245		
150		8(.164)	.930		.202					.178	.168		.320	.305	
151		10(.190)	.930		.234					.203	.193		.475	.450	
152		1/4(.250)	1.090		.265					.275	.260		.540	.520	
153		5/16(.3125)	1.320		.296					.338	.323		.720	.705	
154		3/8(.375)	1.320		.328					.400	.385				
155	1/2(.500)	1.320	.453	.525	.510										
156	16-14	4(.112)	.774	.156	.125	.035	.029	.240	.095	.122	.114	.153	.260	.240	BLUE
157		6(.138)	.815		.152					.142	.317		.302		
158		8(.164)	.910		.202					.178	.168		.475	.450	
159		10(.190)	.955		.234					.203	.193		.540	.520	
160		1/4(.250)	1.085		.265					.275	.260		.720	.705	
161		5/16(.3125)	1.225		.296					.338	.323				
162		3/8(.375)	1.225		.328					.400	.385				
163		1/2(.500)	1.320		.453					.525	.510				
164	12-10	6(.138)	1.120	.234	.202	.043	.037	.300	.139	.152	.142	.210	.380	.365	YELLOW
165		8(.164)	1.120		.234					.203	.193		.536	.516	
166		10(.190)	1.322		.265					.275	.260		.598	.573	
167		1/4(.250)	1.322		.296					.338	.323		.720	.705	
168		5/16(.3125)	1.414		.328					.400	.385				
169		3/8(.375)	1.414		.453					.525	.510				
170	8	10(.190)	1.402	.315	.234	.084	.038	.350	.186	.203	.193	.257	.429	.386	RED
171		1/4(.250)	1.468		.265					.275	.260		.478	.435	
172		5/16(.3125)	1.544		.296					.338	.323		.590	.547	
173		3/8(.375)	1.544		.328					.400	.385				
174	6	10(.190)	1.599	.375	.234	.084	.043	.410	.232	.203	.193	.310	.503	.460	BLUE
175		1/4(.250)	1.762		.265					.275	.260		.623	.580	
176		5/16(.3125)	1.762		.296					.338	.323				
177	3/8(.375)	1.762	.328	.400	.385										
178	4	1/4(.250)	1.812	.437	.276	.096	.047	.500	.290	.275	.260	.370	.570	.480	YELLOW
179		5/16(.3125)	1.879		.308					.318	.323		.648	.605	
180		3/8(.375)	1.879		.328					.400	.385				
181	2	1/4(.250)	2.069	.505	.343	.109	.054	.510	.355	.275	.260	.453	.711	.668	RED
182		3/8(.375)	2.269		.453					.400	.385		.804	.740	
183	1	1/4(.250)	2.150	.565	.383	.125	.070	.560	.388	.275	.260	.500	.783	.740	CLEAR TO WHITE
184		3/8(.375)	2.370		.453					.400	.385		.887	.740	
185	0	1/4(.250)	2.401	.630	.418	.125	.070	.685	.458	.275	.260	.550	.853	.810	BLUE
186		3/8(.375)	2.525		.453					.400	.385		.903	.860	
187		1/2(.500)	2.525		.453					.525	.510				
188	00	5/16(.3125)	2.750	.700	.473	.129	.075	.755	.520	.338	.323	.610	.956	.913	YELLOW
189		3/8(.375)	2.750		.473					.400	.385				
190	1/2(.500)	2.750	.473	.525	.510										
191	000	3/8(.375)	3.000	.718	.513	.140	.085	.840	.577	.400	.385	.680	1.053	1.010	RED
192		1/2(.500)	3.000		.513					.525	.510				
193	0000	3/8(.375)	3.330	.734	.560	.150	.095	1.000	.645	.400	.385	.750	1.148	1.095	BLUE
194		1/2(.500)	3.330		.560					.525	.510				

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REVISOR SYMBOLS:
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This military standard is approved for use by all Departments & Agencies of the Department of Defense. Selection for all use requires the design applications and for repeating use shall be made from this document.

APPROVED 23 May 53 REVISED FOR CHANGES SEE SHEET 3

P.A. NAVY - AS Other Code ARMY - ER USAF - 85	INTER- NATIONAL INTEREST SEE NOTE 9	TITLE	MILITARY STANDARD
		TERMINAL, LUG, CRIMP STYLE, COPPER, INSULATED, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1, (FOR 105°C TOTAL CONDUCTOR TEMPERATURE)	MS25036
ACQUISITION SPECIFICATION ML-T-7928	SUPERSEDES	MS25124 AS DWG 52AB212	SHEET 2 OF 3

USE SYMBOLS:
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REVIEWER SYMBOLS:
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NAVY - EC, SH
USAF - 11, 99

*Action/Date information is carried as of the date of this document.
For revised coordination of changes to this document draft drawings
shall be based on the information in the current 000000.

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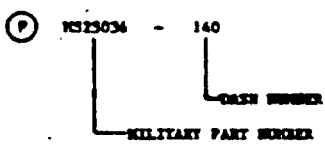
REQUIREMENTS:

1. MATERIAL: SEE ACQUISITION SPECIFICATION.
2. INSULATION MATERIAL: SEE ACQUISITION SPECIFICATION.
3. FINISH: TIN PLATED, SEE ACQUISITION SPECIFICATION.
4. "T" MAX AND MIN DIMENSIONS SHALL BE ONE HALF OF "U" MAX AND MIN DIMENSIONS, RESPECTIVELY.
5. AVERAGE DIAMETER OF "T" AND "U" SHALL BE WITHIN SPECIFICATION DIMENSIONS: MAX AND MIN DIMENSIONS DUE TO OVALIZATION SHALL BE WITHIN 3% OF SPECIFICATION REQUIREMENTS.
6. QUALIFICATION: FOR QUALIFICATION, TERMINALS SHALL BE TESTED WITH ANY ONE OF THE FOLLOWING WIRES:
MIL-W-5086; MIL-W-16678 EXCEPT /3, 8, 9 OR 10; MIL-W-22759/1, 9, 11 OR 10; AND TOOLING AS FOLLOWS:
MIL-C-22520/5-01 TOOLING WITH MIL-C-22520/5-100 DIES INSTALLED FOR SIZES 26 THRU 10 TERMINALS, OR
MIL-C-22520/10-01 TOOLING WITH MIL-C-22520/10-101 DIES INSTALLED FOR SIZES 26 THRU 14 TERMINALS AND
MIL-C-22520/10-100 DIES INSTALLED FOR SIZE 12 THRU 30 TERMINALS. MS23002 CRIMPING DIES TO BE USED
WITH MS25441 TOOL FOR SIZE 0 THRU 4/0. ABOVE SPECIFIED TOOLS SHALL BE USED FOR QUALIFICATION
TESTING. EXISTING MS90413 AND MS3316 TOOLS IN THE FIELD MAY BE USED UNTIL WORN OUT.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. REMOVE BURRS AND SHARP EDGES.
3. METRIC EQUIVALENTS (TO THE NEAREST .01 mm) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 mm.
4. "C" MIN DIMENSION IS MIN WASHER CLEARANCE RAD.
5. DIMENSION "J" REPRESENTS THE MIN OPENING THAT WILL ACCEPT THE FINISHED WIRE.
6. CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.
7. INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE PIECE CONSTRUCTION.
8. WIRE IDENTIFICATION SHALL BE FACILITATED BY BELL MOUTH.
9. CERTAIN PROVISIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT (ASCC AIR STD 12/4). WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.
10. INTERCHANGEABILITY RELATIONSHIP:
PART NUMBERS MS25036-101 THRU -158 CAN REPLACE THE CANCELLED MS25036-1 THRU -58 PARTS RESPECTIVELY.
THE CANCELLED MS25036-1 THRU -58 PARTS CANNOT ALWAYS REPLACE THE MS25036-101 THRU -158 PARTS.

EXAMPLE OF PART NUMBER:



APPROVED 25 MAY 53 REVISED FOR CHANGES SEE SHEET 3

P.A. NAVY - AS Other Com ARMY - EA USAF - 85	INTER- NATIONAL INTEREST SEE NOTE 9	TITLE TERMINAL, LUG, CRIMP STYLE, COPPER, INSULATED, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1. (FOR 105 °C TOTAL CONDUCTOR TEMPERATURE)	MILITARY STANDARD	
			MS25036	
ACQUISITION SPECIFICATION MIL-T-7928		SUPERSEDES: MS25124 AS DNG 52AR212		SHEET 3 OF 3