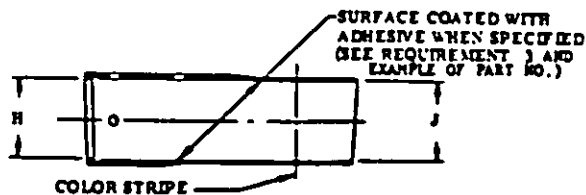
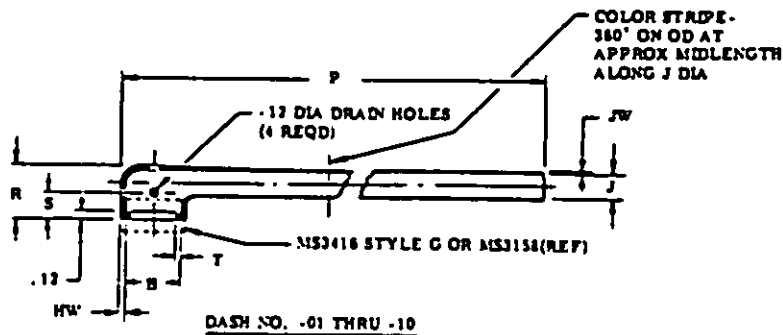
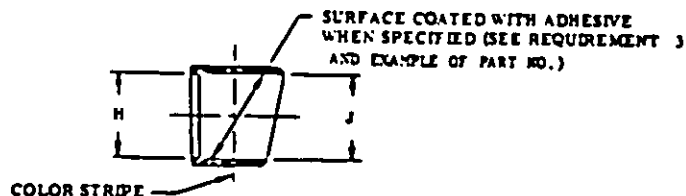
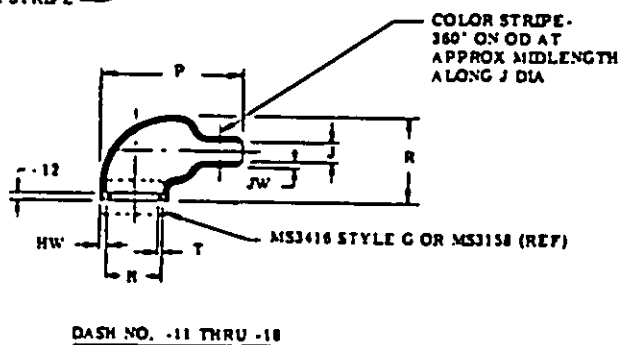


FED. SUP CLASS
5970REVIEW ACTIVITIES:
NAVY - ECAS SUPPLIEDAS RECOVEREDAS SUPPLIEDAS RECOVEREDNOTES:

1. DIMENSIONS IN INCHES.
2. FOR USE WITH MS3416 STYLE G AND MS3158 BACKSHIELDS.
3. BOOTS SHRINK UPON APPLICATION OF HEAT IN EXCESS OF 150°C.

Ⓔ REINSTATED AS OF 17 JULY 1985

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.

Ⓔ DENOTES CHANGES

P.A. NAVY - AS Other Code	TITLE BOOTS, HEAT-SHRINKABLE, STRAIN-RELIEF, RIGHT ANGLE	MILITARY STANDARD MS3117(AS)
PROCUREMENT SPECIFICATION MIL-I-B1765(AS)	SUPERSEDES	SHEET 1 OF 3

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 11709

PROJECT NO. 5970-M638

APPROVED 19 OCTOBER 71 REVISED Ⓐ 12 OCT 73 Ⓑ 11 JUNE 74 Ⓒ 17 FEB 78 Ⓓ 10 MAY 1982 Ⓔ 17 JULY 1985

DISTRIBUTION STATEMENT A: Approved for release; distribution is unlimited.
This standard has been approved by the NAVAL AIR SYSTEMS COMMAND
Department of the NAVY and is mandatory for use by
that activity. All other military activities are required
to comply with this standard where suitable.

REVIEW ACTIVITIES:
NAVY - ECFED. SUP CLASS
5970

DASH NO.	ROOTS FOR BACKSHEETS (REF) MS316 STYLE G	H. DIA.		J DIA.		P 1.25	R 1.10	S 1.06	T V 1.004	J1W 1.004	JW 1.004
		SUPP. MIN	REC. MAX	SUPPLIED MIN	REC. MAX						
-01	-3, -8	.88	.45	.88	.45	4.14	.73	.47	.040	.66	.045
-02	-3, -8	1.01	.50	1.01	.50	4.08	.78	.47	.010	.60	.045
-03	-10	1.16	.74	1.16	.74	5.76	.82	.47	.040	.07	.045
-04	-12, -14	1.34	.90	1.34	.90	6.78	.86	.47	.040	.07	.045
-05	-16, -18	1.47	1.16	1.47	1.16	7.29	.96	.47	.065	.08	.045
-06	-20, -22	1.72	1.34	1.72	1.34	8.41	1.08	.47	.065	.08	.045
-07	-24, -61	1.97	1.62	1.97	1.62	8.84	1.16	.47	.065	.09	.055
-08	-28, -32	2.47	1.85	2.47	1.85	8.95	1.31	.63	.080	.10	.055
-09	-36	2.73	2.35	2.73	2.35	9.19	1.38	.63	.080	.10	.055
-10	-40, -44	3.22	2.64	3.22	2.64	9.33	1.75	.63	.080	.10	.055
-11	-3, -8	.92	.41	.92	.41	1.08	.89	-	.040	.05	.05
-12	-3, -8	1.12	.56	1.12	.56	1.65	1.07	-	.040	.06	.08
-13	-10	1.22	.70	1.22	.70	1.84	1.22	-	.040	.07	.07
-14	-12, -14	1.42	.88	1.42	.88	2.20	1.38	-	.040	.07	.07
-15	-16, -18	1.68	1.11	1.68	1.11	2.71	1.73	-	.065	.08	.08
-16	-20, -22	2.04	1.38	2.04	1.38	3.84	2.08	-	.065	.13	.13
-17	-24, -61	2.60	1.75	2.60	1.75	4.81	2.60	-	.080	.15	.15
-18	-28, -32	3.22	2.38	3.22	2.38	5.90	3.30	-	.080	.18	.18

APPROVED 19 OCTOBER 71 REVISED (E) FOR CHANGES SEE SHEET 1

P.A. NAVY - AS Other Cost	TITLE ROOTS, HEAT-SHRINKABLE, STRAIN-RELIEF, RIGHT ANGLE	MILITARY STANDARD MS3117(AS)
PROCUREMENT SPECIFICATION MIL-I-81765(AS)	SUPERSEDES:	SHEET 2 OF 3

REQUIREMENTS:

1. MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

MATERIAL DESIGNATOR	MATERIAL TYPE	COLOR STRIPE	CONTINUOUS OPERATING TEMP. RANGE	FLEXIBILITY
A	MIL-I-81765/1 TYPE II	RED	-55°C TO +135°C	FLEXIBLE
B	MIL-I-81765/1 TYPE I	WHITE	-55°C TO +135°C	SEMI-RIGID
C	MIL-I-81765/4	YELLOW	-55°C TO +200°C	FLEXIBLE

2. COLOR STRIPES SHALL BE 1/8 INCH WIDE AND LOCATED AS SHOWN. COLORS SHALL REMAIN DISTINGUISHABLE OVER THE TEMPERATURE RANGE SPECIFIED.
3. ADHESIVE APPLIED ON INSIDE SURFACE SHALL BE A THERMOPLASTIC TYPE WITH A RING AND BALL SOFTENING POINT OF 120°C ± 5°C.
4. QUALIFICATION: 3 TYPICAL SAMPLES ASSEMBLED ON QUALIFIED CONNECTORS OR CONNECTORS UNDERGOING QUALIFICATION AND AN APPROPRIATE BACKSHELL SHALL BE TESTED PER MIL-STD-1344 AS FOLLOWS:
- A. EXAMINATION OF PRODUCT
 - B. VIBRATION, METHOD 2005
 - C. INSULATION RESISTANCE, METHOD 3003
 - D. WATER PRESSURE IN ACCORDANCE WITH MIL-C-3015.
 - E. SHOCK, METHOD 2004
 - F. THERMAL SHOCK, METHOD 1003
 - G. POST EXAMINATION OF PRODUCT

EXAMPLE OF PART NUMBER - MS3117-01AC

MS3117 — 01 — A — C
 BASIC PART NO. DASH NO. MATERIAL DESIGNATOR ADHESIVE
 (A, B OR C) (C - COATED OR U - UNCOATED)

REVIEW ACTIVITIES:
NAVY - EC

This standard has been approved by the NAVAL AIR SYSTEMS COMMAND
 Department of the NAVY and is mandatory for use by
 that activity. All other military activities are required
 to employ this standard where suitable.

P.A. NAVY - AS Other Com	TITLE ROOTS, HEAT-SHRINKABLE, STRAIN-RELIEF, RIGHT ANGLE	MILITARY STANDARD MS3117(AS)
PROCUREMENT SPECIFICATION MIL-I-81765(AS)	SUPERSEDES	SHEET 3 OF 3