

User Activities

Review Activities
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This military standard is approved by the Aeronautical Systems Division, Department of the Air Force and shall be used in all that activity. All other military activities are required to employ this standard where suitable.

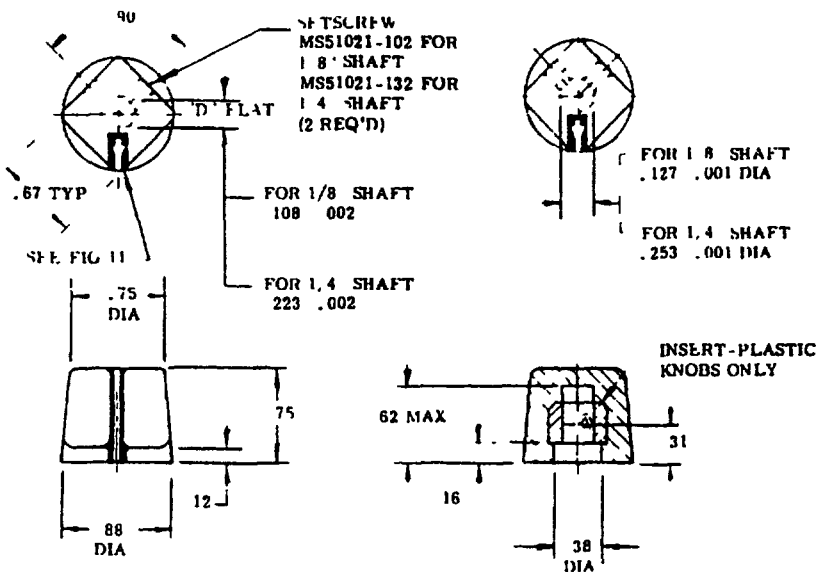


FIGURE 1

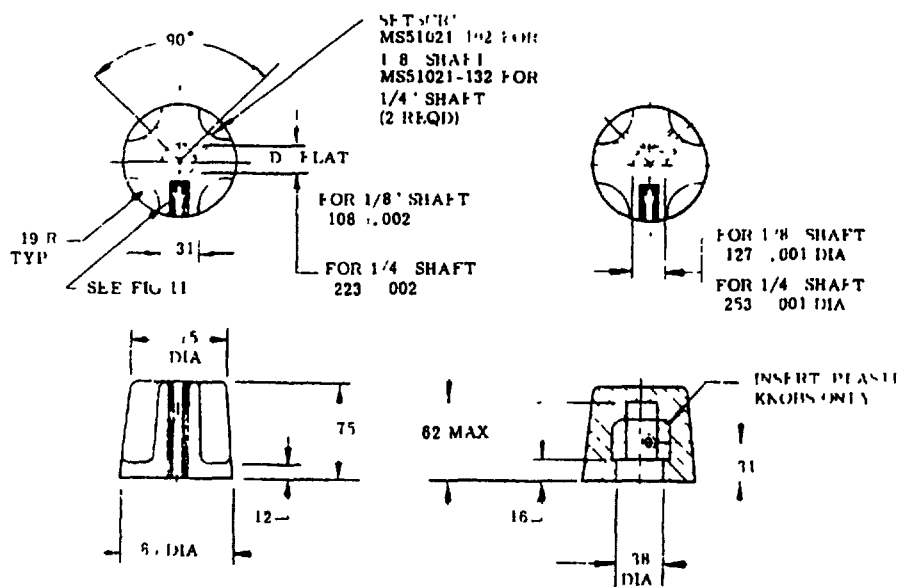


FIGURE 2

(F) Entire standard revised

P A Other Cust	11	TITLE KNOBS-TACTILE SERIES, ILLUMINATED AND NON- ILLUMINATED	MILITARY STANDARD MS21385(USAF)
PROCUREMENT SPECIFICATION MIL-K-25049	SUPERSEDES		SHEET 1 OF 7

DD FORM 672-1 (Limited Coordination)

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PLATE 111 100

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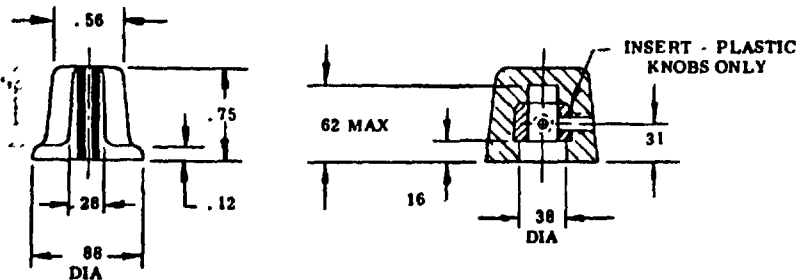
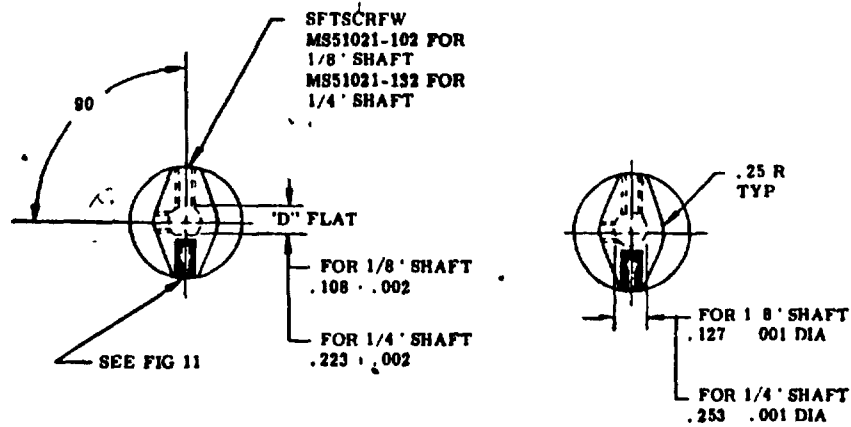
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FIGURE 7

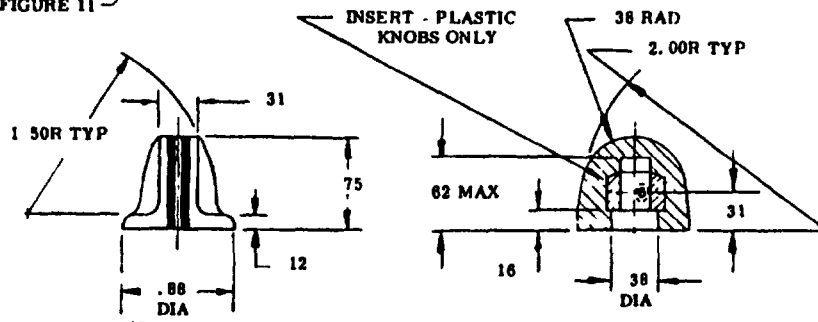
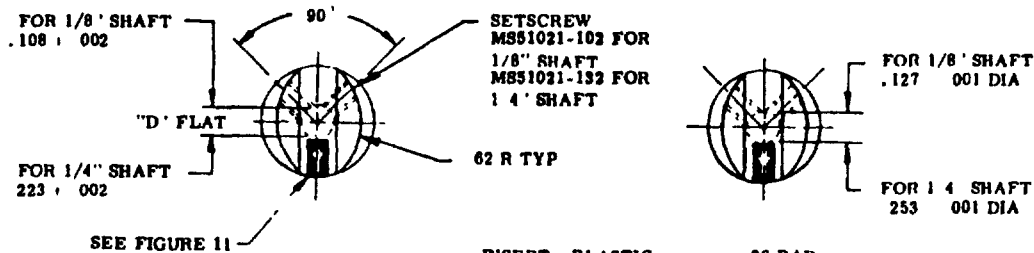


FIGURE 8

APPROVED 11 MAY 1973 REVISED E For changes see sheet 1

PART 11	TITLE	MILITARY STANDARD
Other Cost		MS21385(USAF)
PROCUREMENT SPECIFICATION MIL-K-25049	SUPERSEDES	SHEET 4 OF 7

DD FORM 17672-1 (Limited Coordination)

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PLATE NO 7086

required to employ this standard where it is applicable. All other military activities are

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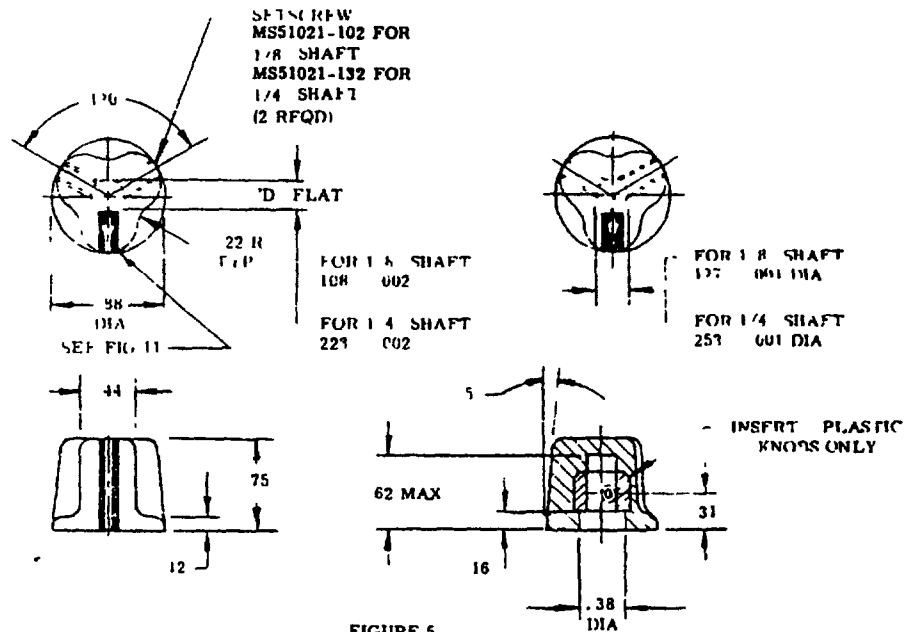


FIGURE 5

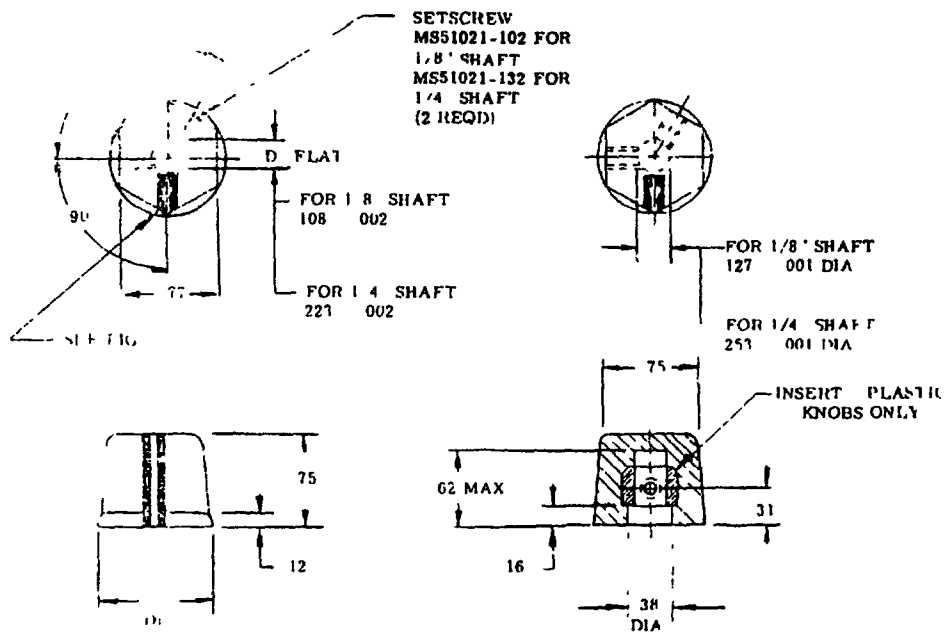


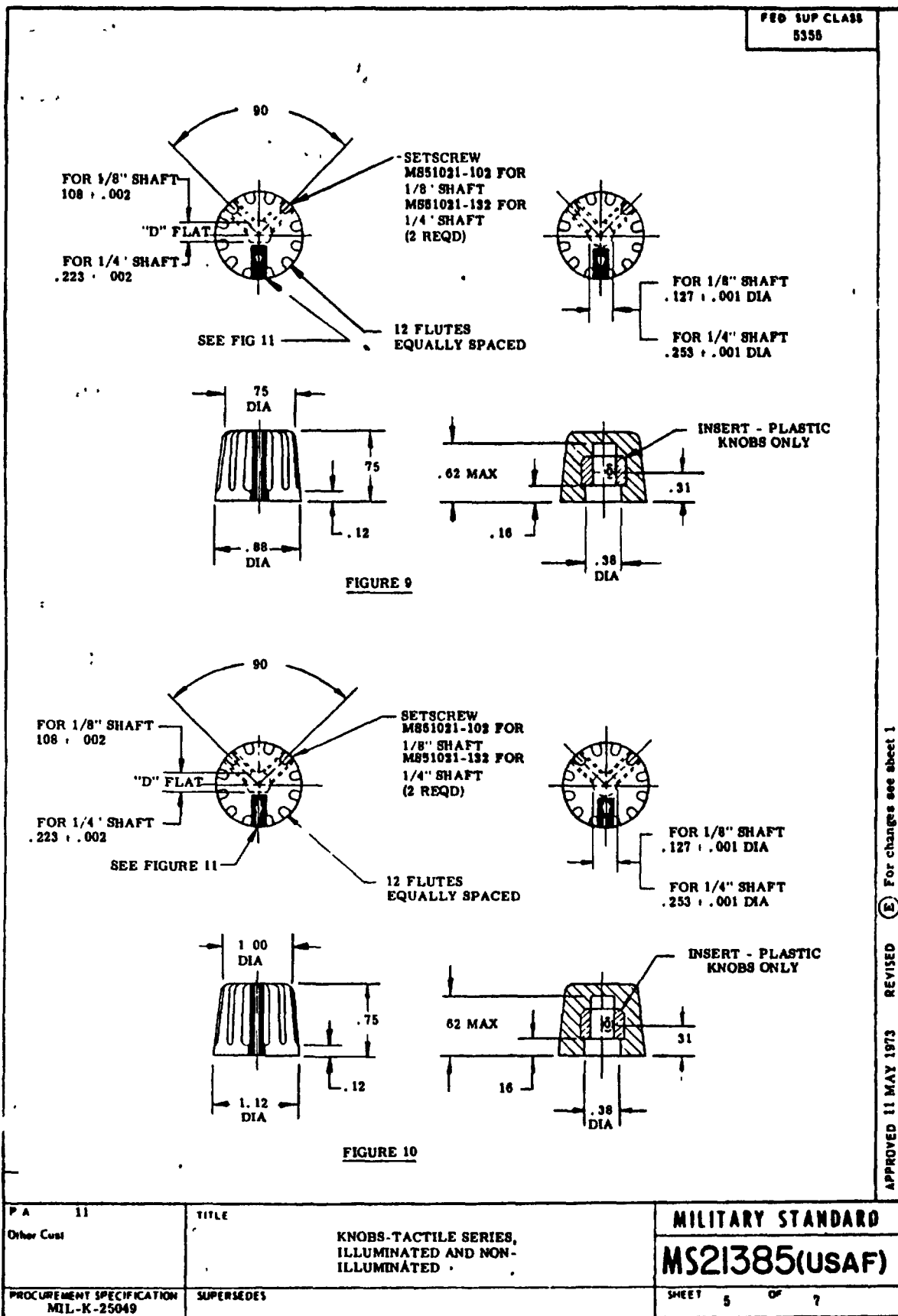
FIGURE 6

P A 11 Other Cust	KNOBS-TACTILE SERIES, ILLUMINATED AND NON- ILLUMINATED	MILITARY STANDARD MS21385(USAF)
PROCUREMENT SPECIFICATION MIL-K-25049	SUPERSEDES	SHEET 3 OF 7

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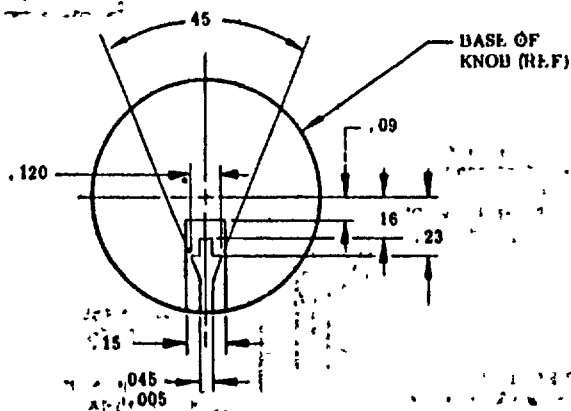


FIGURE 11. Dimensions of Indicia.

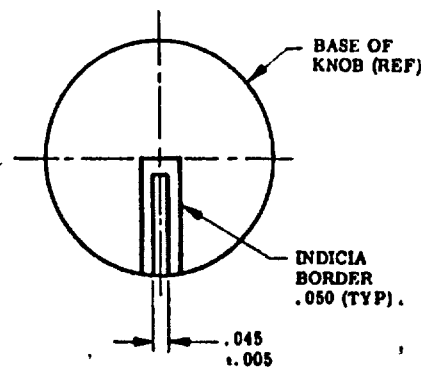


FIGURE 12. Dimensions of Indicia.

TABLE I. Interchangeability.

MS21385 dash numbers	
Cancel ^{1/}	Superseding
-01	-01ANN
-05	-01BNN
-08	-04BNN
-10	-02CNN
-12	-04CNN
-13	-01DNN
-18	-04DNN
-24	-04FNN
-26	-02GNN
-28	-04GNN
-33	-01JNN
-36	-04JNN
-44	-14MNN

^{1/} Knobs covered by cancelled dash numbers shall be used until existing stock is depleted. For new procurement specify superseding dash number as shown in table III.

TABLE II. Knob styles.

Illuminated			Non-Illuminated	
Style	Figure Number	Illumination Ratio ±15%	Style	Figure Number
A	1	0.06	L	1
B	2	0.06	M	2
C	3	0.06	N	3
D	4	0.05	P	4
E	5	0.04	Q	5
F	6	0.04	R	6
G	7	0.06	S	7
H	8	0.07	T	8
J	9	0.06	U	9
K	10	0.06	V	10

TABLE III. MS dash numbers.

MS21385 - 1 3 B B N				
SERIES	SHAFT DIA	STYLE	COLOR-KNOB	INDICIA
0 - Plastic, illuminated	1 - .125 Round	See table II	N - Gray with black indicia border	N - White Figure 11
1 - Plastic, non-illuminated	2 - .125 "D" Flat		B - Black	B - Black Figure 11
2 - Aluminum	3 - .250 Round		G - Gray	W - White Figure 12
	4 - .250 "D" Flat		M - Metal, natural	

P.A. 11	TITLE	MILITARY STANDARD
Other Cust	KNOB-TACTILE SERIES, ILLUMINATED AND NON-ILLUMINATED	MS21385(USAF)
PROCUREMENT SPECIFICATION MIL-K-25049	SUPERSEDES	SHEET 8 OF 7

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PLATE NO 7185

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METRIC EQUIVALENTS

INCHES	MM	INCHES	MM	INCHES	MM
001	03	16	4 06	56	14 22
002	05	19	4 83	62	15 75
005	127	223	5 66	67	17 02
045	1 14	23	5 84	75	19 05
09	2 29	25	6 35	77	19 56
108	2 74	253	6 43	88	22 35
12	3 05	28	7 11	1 00	25 40
125	3 18	31	7 87	1 12	28 45
127	3 23	38	9 65	1 50	38 10
15	3 81	44	11 18	2 00	50 80

NOTES

- 1 Dimensions In inches.
- 2 Tolerances Unless otherwise specified, tolerances are .010 (.25mm) for three place decimals, .02 (.51mm) for two place decimals and 0° 30' on angles
- 3 Construction Corners on all knobs shall have a .09 radius, fillets shall have a .12 radius and taper from bottom to top of knobs shall be 5°
- 4 Weight 33 ounces maximum
- 5 Material Insert Brass in accordance with QQ-B-626
Knob Thermoplastic or Aluminum alloy
- 6 Finish Insert Nickel plate in accordance with QQ-N-290 grade G class 2
Knob Bottom surface of illuminated knobs shall have no coating and shall be polished
- 7 Color Unless otherwise specified colors shall be in accordance with FED-STD-595
Knob
Gray lusterless color number 38231
Black lusterless, color number 37038
Metal, natural anodize in accordance with MIL-A-8625
Indicia
White lusterless color number 37875
Reflection may be reduced to 50% minimum
Markings shall meet a daylight contrast of 9 minimum
Black lusterless color number 37038 for anodized knobs
Indicia Border Black lusterless color number 37038
8. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- 9 Referenced documents shall be of the issue in effect on date of invitations for bids, or request for proposal, except that referenced adopted industry documents shall give the date of the issue adopted.
10. Metric equivalents (to the nearest .01 mm) are given for information only and are based on 1 inch = 25.4 mm

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P A 11	TITLE	MILITARY STANDARD
Other Cust	KNOB-TACTILE SERIES ILLUMINATED AND NON-ILLUMINATED	MS21385(USAF)
PROCUREMENT SPECIFICATION MIL K-25049	SUPERSEDES	SHEET 7 OF 7