

User Activities

Review Activities
DLA - IS

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

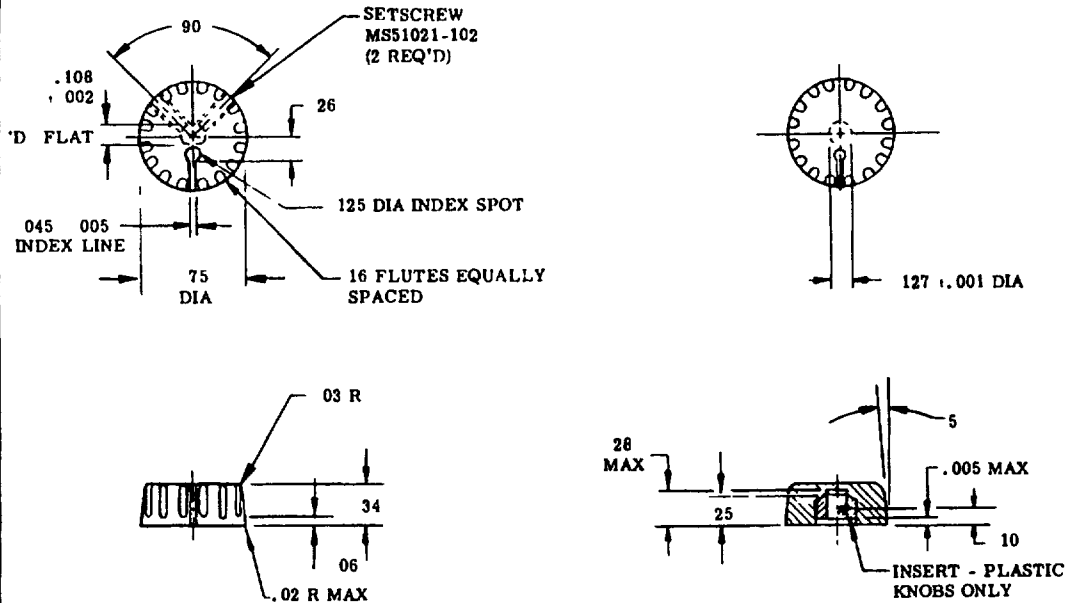
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FIGURE 1 UPPER CONCENTRIC KNOB.

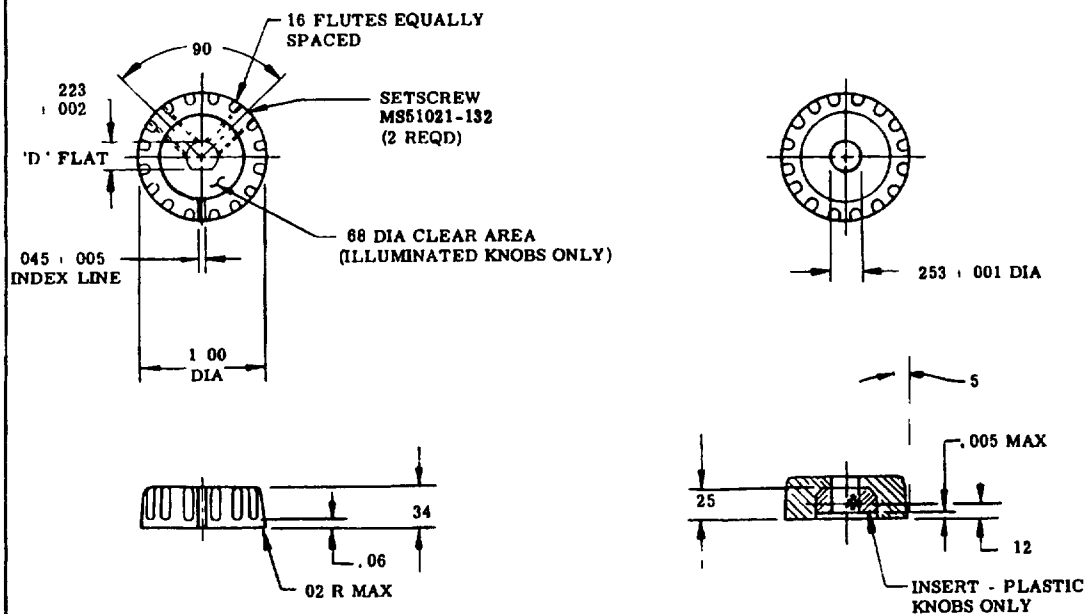


FIGURE 2 LOWER CONCENTRIC KNOB

(E) Entire standard revised

APPROVED 11 MAY 1973 REVISED (E) 11 AUGUST 1973

P A 11	TITLE	MILITARY STANDARD
Other Cust	KNOBS-ROUND, CONCENTRIC, ILLUMINATED AND NON-ILLUMINATED	MS21386(USAF)
PROCUREMENT SPECIFICATION MIL-K-25049	SUPERSEDES	SHEET 1 OF 2

DD FORM 1, 672-1 (Limited Coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5355-F044

PLATE NO 2305

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METRIC EQUIVALENTS

INCHES	MM	INCHES	MM	INCHES	MM
.001	.03	.10	2.54	.253	6.43
.002	.05	.108	2.74	.26	6.60
.005	.13	.12	3.05	.28	7.11
.02	.51	.125	3.18	.34	8.64
.03	.76	.127	3.25	.68	17.27
.045	1.14	.223	5.66	.75	19.05
.06	1.52	.25	6.35	1.00	25.40

TABLE I Knob styles

Illuminated			Non-Illuminated	
Style	Figure Number	Illumination Ratio :15%	Style	Figure Number
A	1	0.07	N	1
B	2	0.08	D	2

TABLE II MS dash numbers

MS21386-1 5 A B N				
SERIES	SHAFT SIZE - SHAPE	STYLE	COLOR - KNOB	INDICIA
0 - Plastic, non-illuminated	5 - 125 Round	A, B, 1/ D, N -	N - 1/ Gray	N - 1/ White
1 - Plastic, illuminated	6 - 125 "D" Flat	See table I	B - Black	G - Black
	7 - .250 Round		M - Metal, natural	
2 - Aluminum	8 - .250 "D" Flat			

1/ When all three of the "N" options (STYLE, COLOR-KNOB and INDICIA) are selected, omit all "N" codes from the MS dash number.

NOTES:

- Dimensions. In inches
- Tolerances. Unless otherwise specified, tolerances are : .010 (.25 mm) for three place decimals, : .02 (.51 mm) for two place decimals, and 0°30' on angles
- Weight 13 ounce max. for knob shown in fig 1 26 ounce max for knob shown in fig 2
- Construction Knobs figure 1 for inner control shaft and figure 2 for the outer control shaft are concentric and used in pairs. Two optional shaft holes, round or "D" flat, are available which are identified by their own dash numbers. When ordering, each option must be specified separately.
- Material Insert Brass in accordance with QQ-B-626
Knob Thermoplastic or Aluminum alloy
- 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
- Color Unless otherwise specified, colors shall be in accordance with FED-STD-595
Knob Gray lusterless, color number 36231
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
- 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 bids or request for proposal except that referenced adopted industry documents shall give the date of the issue adopted
- Metric equivalents (to the nearest .01 mm) are given for information only and are based on 1 inch = 25.4 mm

APPROVED 11 MAY 1973 REVISED (E) For changes see sheet 1

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