

User activities:
Army - AG, AV, ME, MI
Navy - CG, MC, OS

Review activities:
Army - AG, AV, ME, MI
Navy - SH

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DASH NO./		SIZE (DIA OF CAP) A	SH/FT-HOLE DIA B	DIMENSIONS									
				C	D	E	F	G	H	J	K	L	M
-1N1B	-1N1G	3/4	0.127±0.002	1/2	3/8±1/16	---	---	5/8-1/64	5/32	1/4	No. 4-40 UNC-3B	3/8	---
-1N2B	-1N2G	1-1/8	0.252±0.002	5/8	1/2±1/16	9/32	No. 2-56 UNC-3B	13/16-1/64	7/32	11/32		15/32	1/4
-2N2B	-2N2G	1-5/8		3/4	1/2±1/8	13/32	No. 6-32 UNC-3B	1-1/8±1/16-1/64	1/4-1/64	3/8±1/32-0	No. 8-32 UNC-3B	3/4	7/16
-4N2B	-4N2G	2-3/8		7/8	1/2±1/8	5/8	No. 6-32 UNC-3B	1-3/4-1/64	1/4	7/16		15/16	7/16

1. The dash number added to the MS military-standard number constitutes the MS part number; for example, MS91531-1N1B. The dash number indicates the following: First character - knob size; second character - knob form (plain or spinner); third character - shaft-hole diameter; fourth character - "B" (waterless black No. 37038 and "G" lusterless gray No. 38231 per Fed. Std. No. 595.

PLAIN KNOB
MS91531--N--B

SPINNER KNOB
MS91531-4B2B

BASIC KNOBS

ALTERNATE CAP DESIGN TO PROVIDE FOR PROJECTED CODING CAP AT OPTION OF SUPPLIER

F TAP 3 HOLES

2 HOLES

120°

45°

90°

120°

DRILL KNOB 125 DIA 3/8 DEEP

"6-20 SELF-TAPPING SHLD SCR. 1/8 LG UNDER SHOULDER

FED. SUP CLASS 5355

APPROVED 2 December 1955 REVISED A 16 May 1958 B 17 June 1960 C 19 Oct 1964 D 26 July 1968 E 20 Aug 1971

INACTIVE FOR NEW DESIGN AFTER 20 AUGUST 1971

FOR CHANGES SEE PAGES 1 and 7 (Project 5355-0099)

P.A. EC Other Cust EL 11	TITLE KNOBS, CONTROL, ROUND, PLASTIC (WITH FLUTED GRIP)	MILITARY STANDARD MS 91531
PROCUREMENT SPECIFICATION M.L.-K-3826	SUPERSEDES	Page 1 OF 7

DD FORM 672-1 (Coordinated)

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Review activities:
 Army - AT, AV, ME, MI
 Navy - SH

User activities:
 Army - IN
 Navy - CG, MC, OS

FED. SUP CLASS
5355

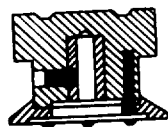
DASH NO./	ACCESSORY	DIMENSIONS										
		E	FF	GG	L	N	O	P	R	S	T	U
-4HB	Dial plate	2/										
-4HO		3/										
-4TB		4/										
-4TG		5/										
-4AB		6/										
-4AO		7/										
-4SB		8/										
-4SO		9/										
-4OB		10/										
-4OO		11/										
-4OS	Skirt	8/										
-4OT		9/										
-4TB		10/										
-4TG		11/										
-4AB		12/										
-4AO		13/										
-4SB		14/										
-4SO		15/										
-4S		16/										
-4OB		17/										
-4OO		18/										
-4OS		19/										
-4OT		20/										
-4TB	21/											
-4TG	22/											
-4AB	23/											
-4AO	24/											
-4SB	25/											
-4SO	26/											
-4S	27/											
-4OB	28/											
-4OO	29/											
-4OS	30/											
-4OT	31/											
-4TB	32/											
-4TG	33/											
-4AB	34/											
-4AO	35/											
-4SB	36/											
-4SO	37/											
-4S	38/											
-4OB	39/											
-4OO	40/											
-4OS	41/											
-4OT	42/											
-4TB	43/											
-4TG	44/											
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-4AO	189/											
-4SB	190/											
-4SO	191/											
-4S	192/											
-4OB	193/											
-4OO	194/											
-4OS	195/											
-4OT	196/											
-4TB	197/											
-4TG	198/											
-4AB	199/											
-4AO	200/											

User activities:
Army - MJ
Navy - CG, MC, CS

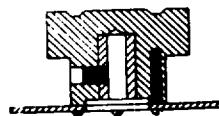
Review activities:
Army - AT, AV, ME, MI
Navy - SH

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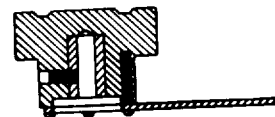
FED. SUP CLASS
5355



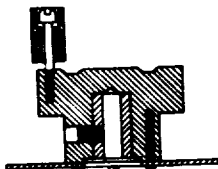
WITH SKIRT



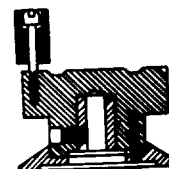
WITH DIAL PLATE
PLAIN KNOB ASSEMBLIES



WITH POINTER



WITH DIAL PLATE



WITH SKIRT

SPINNER KNOB ASSEMBLIES

DASH NO. 1/	SIZE (DIA OF BODY)	COMPONENT PART		NOM SHAFT-HOLE DIA	
		Knob dash No.	Access. dash No.		
PLAIN KNOBS WITH SKIRTS					
-1F1B	3/4	-1N1B	-1P	1/8	
-1F1G		-1N1G		1/4	
-1F2B		-1N2B			
-1F2G		-1N2G	-10	1/8	
-101B		-1N1B		1/4	
-101G		-1N1G			
-102B	1-1/8	-1N2B	-2F	1/4	
-102G		-1N2G			
-2F2B		-2N2B			
-2F2G		-2N2G	-20	1/4	
-202B		-2N2B			
-202G		-2N2G			
-3F2B	-3N2B	-3F			
-3F2G	-3N2G				
-302B	1-5/8	-3N2G	-30		
-302G		-3N2G			
-4F2B	2-3/8	-4N2B	-4F		
-4F2G		-4N2G			
-402B		-4N2G	-40		
-402G		-4N2G			
PLAIN KNOBS WITH POINTERS					
-1P1B	3/4	-1N1B	-1P		1/8
-1P1G		-1N1G			1/4
-1P2B		-1N2B			
-1P2G	1-1/8	-1N2G	-2P	1/4	
-2P2B		-2N2B			
-2P2G		-2N2G			
-3P2B	1-5/8	-3N2B	-3P		
-3P2G		-3N2G			
-4P2B	2-3/8	-4N2B	-4P		
-4P2G		-4N2G			

See footnote at end of table.

APPROVED 2 December 1955 REVISED E For changes see pages 1 and 7

P.A. EC Other Cust EL 11	TITLE KNOBS, CONTROL, ROUND PLASTIC (WITH FLUTED GRIP)	MILITARY STANDARD
		MS 91531
PROCUREMENT SPECIFICATION MIL-K-2026	SUPERSEDES	Page 4

DD FORM 672-1 (Coordinated)
SEP 57

PREV. EDITIONS OF THIS FORM ARE OBSOLETE

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Review activities: User activities:
 Army - AT, AV, ME, MI Army - MU
 Navy - SH Navy - CG, MC, OS

FED. SUP CLASS
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DASH NO. 1/	SIZE (DIA OF BODY)	COMPONENT PART		NOM SHAFT- HOLE DIA			
		Knob dash No.	Access. dash No.				
PLAIN KNOBS WITH DIAL PLATES							
-1H1B	3/4	-1N1B	-1H	1/8			
-1H1G		-1N1G					
-1H2B		-1N2B	-1T	1/4			
-1H2G		-1N2G					
-1T1B		-1N1B	-1A	1/8			
-1T1G		-1N1G					
-1T2B		-1N2B	-1S	1/4			
-1T2G		-1N2G					
-1A1B		-1N1B	-1Q	1/8			
-1A1G		-1N1G					
-1A2B		-1N2B	-1C	1/4			
-1A2G		-1N2G					
-1S1B		-1N1B	-1Q	1/8			
-1S1G		-1N1G					
-1S2B		-1N2B	-1C	1/4			
-1S2G		-1N2G					
-1Q1B		-1N1B	-1C	1/8			
-1Q1G		-1N1G					
-1Q2B		-1N2B	-1C	1/4			
-1Q2G		-1N2G					
-1C1B		-1N1B	-1C	1/8			
-1C1G		-1N1G					
-1C2B		-1N2B	-1C	1/4			
-1C2G		-1N2G					
-2H2B	1-1/8	-2N2B -2N2G	-2H	1/4			
-2H2G			-2T				
-2T2B			-2A				
-2T2G			-2S				
-2A2B			-2Q				
-2A2G			-2C				
-2S2B			-3H		1/4		
-2S2G			-3T				
-2Q2B	1-5/8	-3N2B -3N2G	-3A				
-2Q2G			-3S				
-2C2B			-3Q				
-2C2G			-3C				
-3H2B			2-3/8	-4N2B -4N2G		-4H	1/4
-3H2G						-4T	
-3T2B					-4A		
-3T2G					-4S		
-3A2B	-4Q						
-3A2G	-4C						
-3S2B							
-3S2G							
-3Q2B							
-3Q2G							
-3C2B							
-3C2G							
-4H2B	2-3/8	-4N2B -4N2G	-4H	1/4			
-4H2G			-4T				
-4T2B			-4A				
-4T2G			-4S				
-4A2B			-4Q				
-4A2G			-4C				
-4S2B							
-4S2G							
-4Q2B							
-4Q2G							
-4C2B							
-4C2G							

See footnote at end of table.

P.A. EC Other Cont. EL 11	TITLE KNOBS, CONTROL, ROUND, PLASTIC (WITH FLUTED GRIP)	MILITARY STANDARD MS 91531
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	Page 5

DD FORM 672-1 (Coordinated)

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APPROVED 2 December 1955 REVISED (E) For changes see pages 1 and 7

Review activities: User activities:
 Army - AT, AV, ME, MI
 Navy - SH
 Army - MU
 Navy - CG, MC, OS

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DASH NO.	SIZE (DIA OF BODY)	COMPONENT PART		NOM SHAFT-HOLE DIA
		Knob dash No.	Access. dash No.	
SPINNER KNOBS WITH DIAL PLATES				
-4B2B -4B2G -4B2B -4B2G -4B2B -4B2G -4B2B -4B2G -4B2B -4B2G -4B2B -4B2G	2-3/8	-4B2B -4B2G	-4H -4T -4A -4S -4Q -4C	1/4
SPINNER KNOBS WITH SKIRTS				
-4B2B -4B2G -4B2B -4B2G	2-3/8	-4B2B -4B2G	-4F -4Q	1/4

The dash number added to the MS military-standard number constitutes the MS part number; for example, MS91531-1F1B. The dash number indicates the following: First character - knob size; second character - accessory (dial plate, pointer, skirt, spinner); third character - shaft-hole diameter; fourth character - "B" lusterless black No. 37038 and "G" lusterless gray No. 36231 per Fed. Std. No. 595.

APPROVED 2 December 1966 REVISED (E) For changes see pages 1 and 7

P.A. Other Code EC EL 11	TITLE KNOBS, CONTROL, ROUND, PLASTIC (WITH FLUTED GRIP)	MILITARY STANDARD MS 91531
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	Page 6

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Review activities:
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Navy - SH

User activities:
Army - MU
Navy - CG, MC, OS

FED. SUP CLASS
5355

1. All dimensions in inches.
2. Unless otherwise specified, tolerances are $\pm 1/64$ on fractions, ± 0.005 on decimals, and $\pm 1^\circ$ on angles.
3. Materials:

Knob (including spinner body) skirt, and pointer - Plastic, type III, per Specification L-P-398, or type CPG, per Specification MIL-M-14.

Dial plate - Aluminum per Specification QQ-A-250/8 or QQ-A-250/1, or brass per Specification QQ-B-613; color lusterless black No. 37038 per Fed. Std. No. 598.

Set screws - Cadmium plating, class 3, type II, per Specification QQ-P-416, or zinc plating, class 3, type II, per Specification QQ-Z-325.

Knob inserts - Brass, composition M2, per Specification QQ-B-626, with class 3, type II, cadmium plating, per Specification QQ-P-416, before assembly; or aluminum alloy 7075 T6, per Specification QQ-A-277, anodized per Specification MIL-A-8625, before assembly.

Spinner insert - Brass, composition M2, per Specification QQ-B-626, with type VI nickel matte finish, per Specification QQ-N-290.
4. Knobs are cored or solid. If cored, the set screws may be placed in the supporting ribs.
5. Break all sharp edges of upper gripping surfaces.
6. Knob assemblies may be furnished as integral units or as assemblies. When 3/4 knobs are furnished as assemblies, the parts are cemented together. For all other knobs, the parts are fastened together by screws as shown on sheet 4. For pointer knobs, the screw assembly may be omitted, and the inserts spun over, in which case they are staked.
7. Set screws - Type 1, style 4, per Specification FF-S-200; No. 4-40 UNC-3A is used for all 3/4 knobs and for 1/8 shafts; No. 8-32 UNC-3A is used for 1/4 shafts; 3/16 long for 3/4 knobs, 1/4 long for 1-1/8 knobs, 5/16 long for 1-5/8 knobs, and 3/8 long for 2-3/8 knobs.
8. Assembly screws - Pan head; MS part No. MS35214-3 for 1-1/8 knobs, and MS part No. MS35214-25 for all other size knobs.
9. Insert-wall thickness - 1/16 minimum for 3/4 and 1-1/8 knobs, and 1/8 minimum for 1-5/8 and 2-3/8 knobs. Inserts are open end or closed end.
10. Torque test - 25 pound-inches for all knobs up to and including 1-1/8 nominal body diameter and 50 pound-inches for all knobs above 1-1/8 nominal body diameter. For all diameter knobs with spinners, a 50 pound-inch force is applied to the end of the spinner handle, perpendicular to the plane of the two axes.
11. The impact test shall be in accordance with Specification L-P-398 or MIL-M-14, as applicable, in lieu of the impact test of MIL-K-3926.
12. Referenced documents shall be of the issue in effect on date of invitations for bid.
13. This standard takes precedence over documents referenced herein.
- (E)** 14. Qualification not applicable.

APPROVED 2 December 1955 REVISED **(E)** For changes see pages 1 and 7

P.A. EC	TITLE KNOBS, CONTROL, ROUND, PLASTIC (WITH FLUTED GRIP)	MILITARY STANDARD
Other Cust EL 11		MS 91531
Procurement Specification MIL-K-3926	SUPERSEDES:	Page 7

DD FORM 672 COORDINATED
1 SEP 57

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