

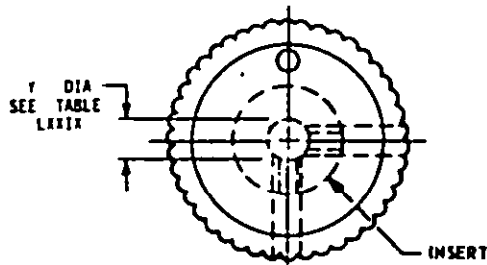
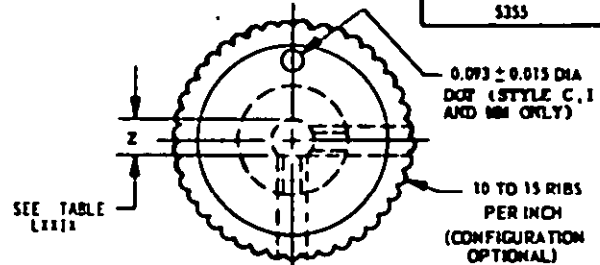
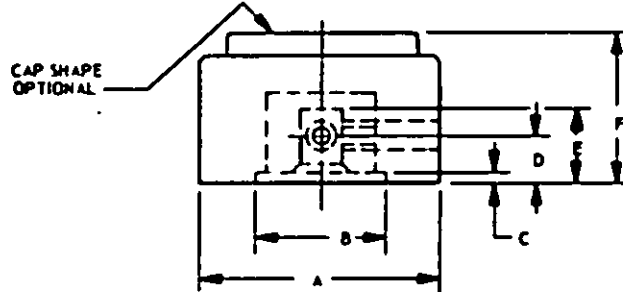
FED. SUP CLASS  
5355TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

TABLE I - ROUND KNOBS

MS DASH NUMBER	SERIES	A +0.000 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ±0.030	SET SCREWS (2 REQ'D)	
			B MIN	C MIN				1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE II	0	0.500	0.435	0.026	0.158	0.405	0.510	.112-40 UNC-3A	.112-40 UNC-3A
	1	0.700	0.485	0.026	0.187	0.405	0.610	.112-40 UNC-3A	.112-40 UNC-3A
	2	0.900	0.640	0.114	0.260	0.520	0.790	.112-40 UNC-3A	.164-32 UNC-3A
	3	1.250	0.750	0.114	0.260	0.655	0.700	—	.164-32 UNC-3A
	4	1.750	0.750	0.114	0.260	0.520	0.850	—	.164-32 UNC-3A
	5	2.250	0.750	0.114	0.260	0.520	0.875	—	.164-32 UNC-3A

TABLE II - MS DASH NUMBER

MS91528-2N2B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	N - ROUND	1 - 1/8" ROUND	B -- BLACK
1	C - ROUND WITH WHITE DOT	2 - 1/4" ROUND	G -- GRAY
2	I - ROUND WITH FLUORESCENT DOT	3 - 1/8" "D" FLAT	R -- RED
3	MM - ROUND WITH PHOSPHORESCENT DOT	4 - 1/4" "D" FLAT	
4			
5			

## NOTES:

1. STYLE I AND MM KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A METHOD 107 OF MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

① DENOTES CHANGES

P.A. Other Code 11	IC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES		SHEET 1 OF 47

COORDINATED

PROJECT NO 5355-0203

review activities:  
Arm- H1, AT, AV, EA, ME  
Nav- MC, AS  
DA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

APPROVED 2 DEC 1960 REVISED ① 17 APR 78 ① 6 February 1984

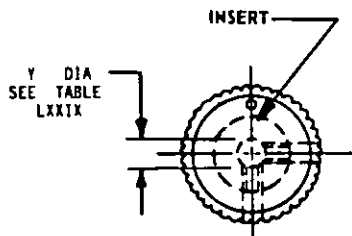
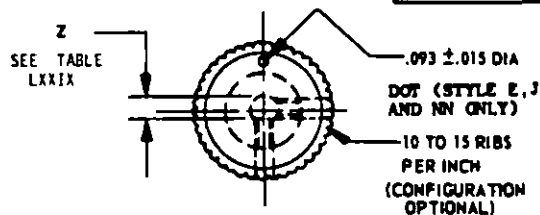
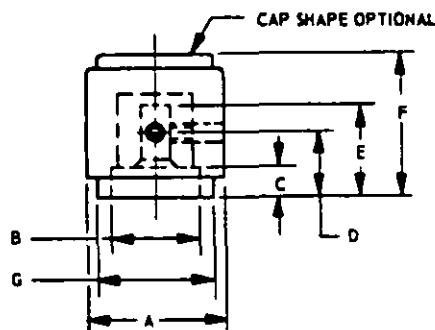
FED. SUP CLASS  
5355TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

TABLE III-ROUND RING SKIRT KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH	F ± 0.030	G MAX	SET SCREWS (2 REQ'D)	
			B MIN	C MIN		E			1/8" SHAFT HOLE	1/4" SHAFT HOLE
						MIN				
SEE TABLE IX	0	0.500	0.300	0.177	0.325	0.560	0.655	0.460	.112-40UNC-3A	.112-40UNC-3A
	1	0.700	0.485	0.188	0.369	0.568	0.782	0.680	.112-40UNC-3A	.112-40UNC-3A
	2	.0900	0.640	0.320	0.484	0.730	1.010	0.845	.112-40UNC-3A	.164-32UNC-3A
	3	1.250	0.750	0.750	0.427	0.605	0.850	1.185	—	.164-32UNC-3A
	4	1.750	0.750	0.320	0.489	0.740	1.070	1.690	—	.164-32UNC-3A
	5	2.250	0.750	0.320	0.489	0.740	1.095	2.185	—	.164-32UNC-3A

TABLE IV- MS DASH NUMBER

MS91528-2E2B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	D - SKIRTED ROUND	1 - 1/8" ROUND	B - BLACK
1	E - SKIRTED ROUND WITH WHITE DOT	2 - 1/4" ROUND	G - GRAY
2	J - SKIRTED ROUND WITH FLUORESCENT DOT	3 - 1/8" "D" FLAT	R - RED
3	NN - SKIRTED ROUND WITH PHOSPHORESCENT DOT	4 - 1/4" "D" FLAT	
4			
5			

## NOTES:

1. STYLE J AND NN KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 PER MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47

Review activities:  
Army - MI, AT, AV, EA, HE  
Navy - MC, AS  
DLA - JS

User activities:  
Nov - CG, OS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P.A. Other Cust 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 2 OF 7

COORDINATED

APPROVED 2 DEC 1955 REVISED J For changes see sheets 15, 16, 29, 37, and 42

User activities:  
New - CG, OSReview activities:  
Army - MI, AI, AV, EA, ME,  
NAVY - IN, AS  
DA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

FED. SUP CLASS  
5355

STYLE F, O, Q & OO  
TOP VIEW SHOWING ROUND  
SHAFT HOLE

STYLE H

TOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

KNOB SERIES	DIMENSIONS		
	$\pm 0.010$	$\pm 0.010$	$\pm 0.010$
0	0.063	0.188	0.125
1	0.063	0.188	0.125
2	0.063	0.188	0.218
3	0.063	0.188	0.218
4	—	—	—
5	—	—	—

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F $\pm 0.030$	G MAX	SET SCREWS (2 REQ'D)	
			B MIN	C MIN					1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE VI	0	0.500	0.300	0.177	0.325	0.560	0.655	0.900	.112-40UNC-3A	.112-40UNC-3A
	1	0.700	0.485	0.188	0.369	0.568	0.782	1.150	.112-40UNC-3A	.112-40UNC-3A
	2	0.900	0.640	0.320	0.684	0.730	1.010	1.525	.112-40UNC-3A	.164-32UNC-3A
	3	1.750	0.750	0.320	0.627	0.605	0.850	1.837	—	.164-32UNC-3A
	4	1.750	0.750	0.320	0.689	0.740	1.070	2.468	—	.164-32UNC-3A
5	2.250	0.750	0.320	0.689	0.740	1.095	3.020	—	.164-32UNC-3A	

TABLE VI - MS DASH NUMBER

**MS 91528-2F2B**

SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	F - ROUND DIAL SKIRT WITH "WHITE ARROW"	0 - ROUND DIAL SKIRT WITH BACKLIGHTED WHITE ARROW	B - BLACK
2	G - ROUND DIAL SKIRT, NO ARROW	Q - ROUND DIAL SKIRT WITH FLUORESCENT ARROW	G - GRAY
4	H - ROUND DIAL SKIRT WITH SLOT	OO - ROUND DIAL SKIRT WITH PHOSPHORESCENT ARROW	R - RED
3		1 - 1/8" ROUND	
		2 - 1/4" ROUND	
		3 - 1/8" "D" FLAT	
		4 - 1/4" "D" FLAT	

NOTES:

- STYLE O KNOBS-ARROW BACKLIGHTED IN ACCORDANCE WITH MIL-P-7788. STYLE Q AND OO KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

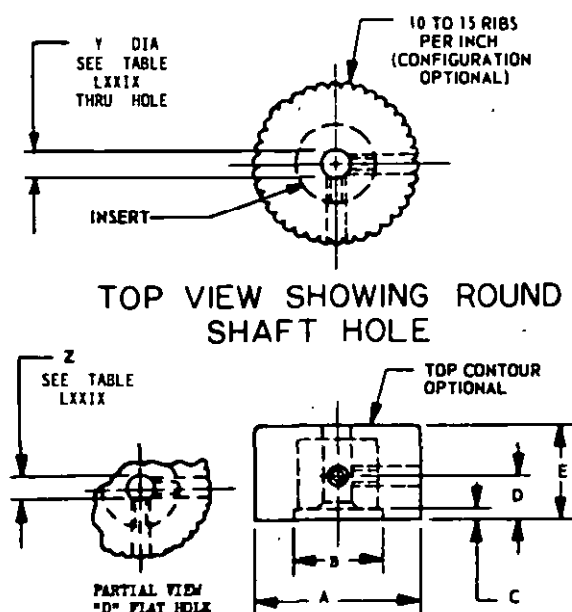
P.A. Other Code	EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-R-3926		SUPERSEDES	SHEET 2 OF 2

COORDINATED

APPROVED 2 DEC 1955 REVISED 15, 16, 29, 37, 010 42 For changes see sheets

Review activities:	User activities:
Amy - MI, AT, AV, EA, ME	Navy - CG, OS,
Navy - MC, AS	
DLA - IS	

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.



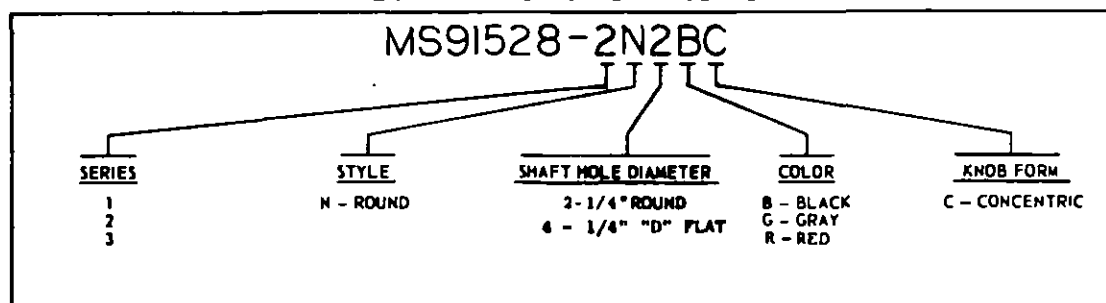
CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS: AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER ROUND, RING SKIRT ROUND, ROUND TACTILE, AND RING SKIRT ROUND TACTILE KNOBS DETAILED ON SHEETS 1, 2, 30 AND 31.

ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY.

### TABLE VII-ROUND CONCENTRIC KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	E ± 0.015	SET SCREWS (2 REQ'D)
			B MIN	C MIN			1/4" SHAFT HOLE
		SEE TABLE VIII	1	0.700	0.485	0.026	0.187
	2	0.900	0.640	0.114	0.260	0.655	.164-32UNC-3A
	3	1.250	0.750	0.114	0.260	0.530	.164-32UNC-3A

TABLE VIII-MS DASH NUMBER

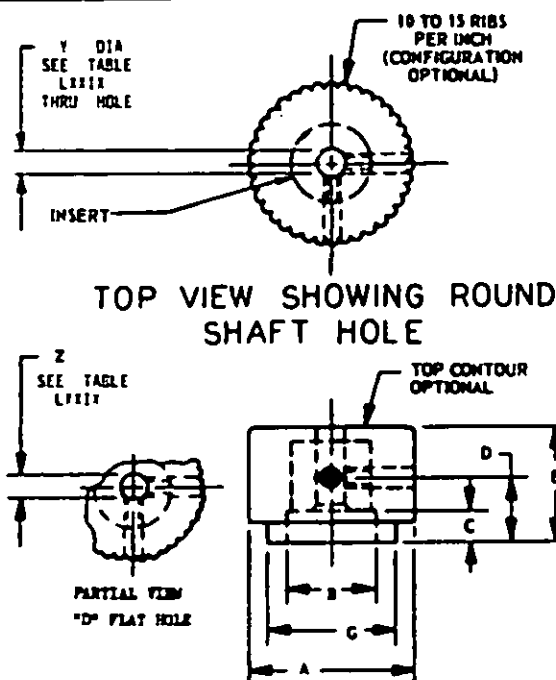


NOTES:  
1.. FOR GENERAL NOTES SEE SHEET 47.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

P.A. EC Other Cost ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS91528</b>
PROCUREMENT SPECIFICATION MIL-K-3928	SUPERSEDES:	SHEET 4 OF 47

**COORDINATED.**



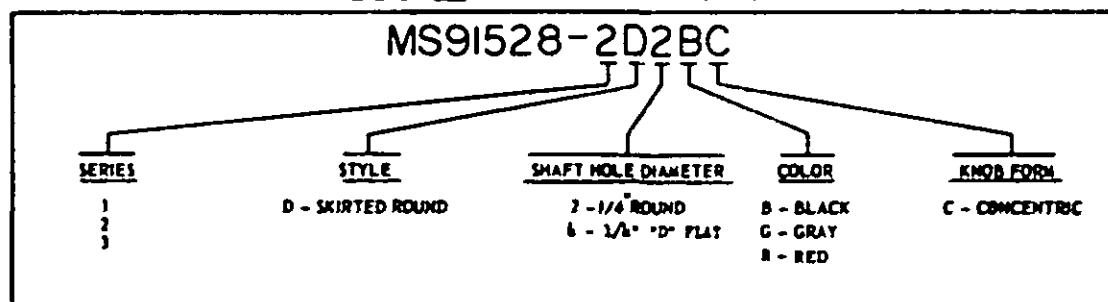
CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS: AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER ROUND, RING SKIRT ROUND, ROUND TACTILE, AND RING SKIRT ROUND TACTILE KNOBS DETAILED ON SHEETS 1, 2, 30 AND 31.

ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY.

TABLE IX-ROUND CONCENTRIC RING SKIRT KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	E ± 0.025	G MAX	SET SCREWS (2 REQ'D) 1/4" SHAFT HOLE
			B MIN	C MIN				
SEE TABLE X	1	0.700	0.485	0.188	0.369	0.690	0.680	.112-40UNC-3A
	2	0.900	0.640	0.320	0.484	0.825	0.845	.164-32UNC-3A
	3	1.250	0.750	0.250	0.627	0.700	1.185	.164-32UNC-3A

TABLE X-MS DASH NUMBER



## NOTES:

1. FOR GENERAL NOTES SEE SHEET 47.

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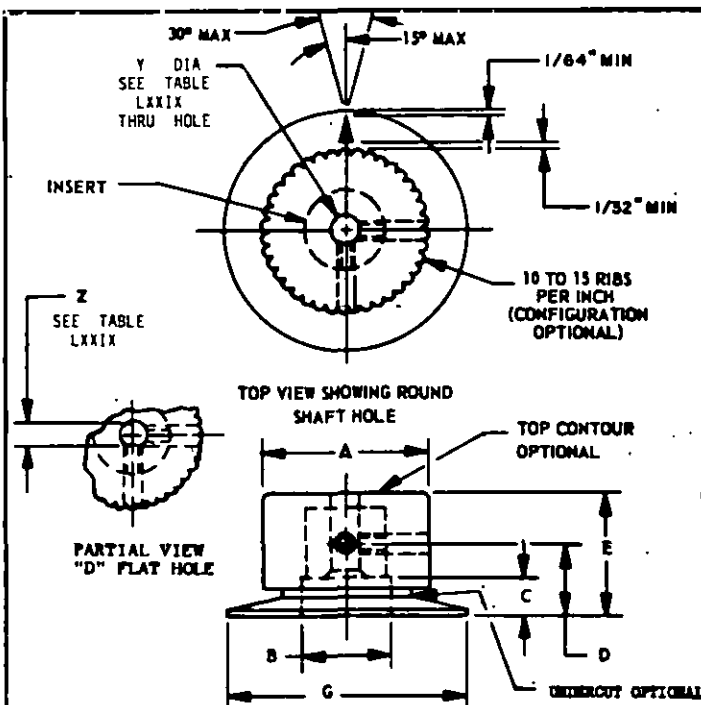
Review activities:  
Army - M, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

User activities:  
Navy - CG, OS

P.X Other Com BC CR 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCK)	MILITARY STANDARD
		<b>MS91528</b>
PROCUREMENT SPECIFICATION MIL-X-3926	SUPPLEMENT	SHEET 5 OF 47

COORDINATED

APPROVED 2 DEC 1955 REVISED 10 For change: see sheets 15, 16, 29, 31, and 42

FED. SUP CLASS  
 3335


CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS: AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/4 INCH SHAFT HOLE DIAMETER ROUND, RING SKIRT ROUND, ROUND TACTILE, AND RING SKIRT ROUND TACTILE KNOBS DETAILED ON SHEETS 1, 2, 30 AND 31.

ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY.

TABLE XI-ROUND CONCENTRIC DIAL SKIRT KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	E ±0.025	G MAX	SET SCREWS (2 REQ'D)
			B MIN	C MIN				1/4\" SHAFT HOLE
SEE TABLE XII	1	0.700	0.485	0.188	0.369	0.690	1.150	.112-40UNC-3A
	2	0.900	0.640	0.320	0.484	0.885	1.525	.164-32UNC-3A
	3	1.250	0.750	0.250	0.427	0.700	1.837	.164-32UNC-3A

TABLE XII-MS DASH NUMBER

MS91528-2F2BC				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	KNOB FORM
1	F - ROUND DIAL SKIRT WITH WHITE ARROW	2 - 1/4\" ROUND	B - BLACK	C - CONCENTRIC
2	Q - ROUND DIAL SKIRT WITH PHOSPHORESCENT ARROW	4 - 1/4\" \"D\" FLAT	G - GRAY	
3	O - ROUND DIAL SKIRT WITH BACKLIGHTED WHITE ARROW		R - RED	
	OO - ROUND DIAL SKIRT WITH PHOSPHORESCENT ARROW			

## NOTES:

- STYLE O KNOBS-ARROW BACKLIGHTED IN ACCORDANCE WITH MIL-P-7788. STYLE Q AND OO KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

User activities:  
 Navy - CG, OS  
 Review activities:  
 Army - MI, AT, AV, EA, ME  
 Navy - MC, AS  
 DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P.A. Other Cost	EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3728	SUPERSEDES:	SHEET 6 OF 7	

COORDINATED

APPROVED 2 DEC 1955 REVISED 1 For changes see sheets 15, 16, 29, 37, and 42

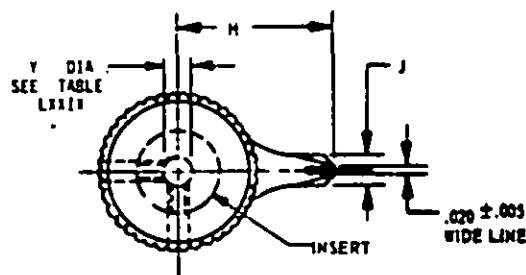
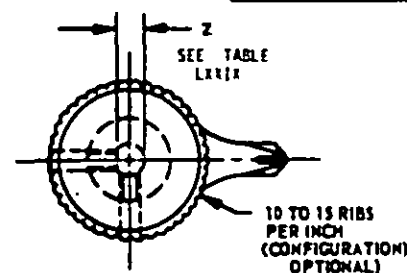
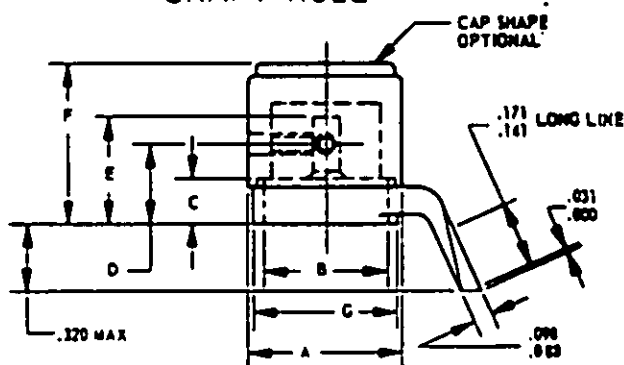
TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING 'D'  
FLAT SHAFT HOLE

TABLE XIII - KNOB LOCK POINTER KNOBS

MS DASH NUMBER	SERIES	NUT CLEARANCE				SHAFT HOLE DEPTH		P	G	H	J	SET SCREWS (2 REQ'D)	
		A +0.000 -0.010	B MIN	C MIN	D MAX	E MIN	20.030					1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE XIV	1	0.700	0.560	0.188	0.349	0.568	0.782	0.680	0.812	0.160		.112-40UNC-3A	.112-40UNC-3A
	2	0.900	0.640	0.188	0.437	0.680	0.958	0.843	0.968	0.203			.164-32UNC-3A
	3	1.250	0.750	0.188	0.442	0.603	0.842	1.183	1.123	0.270			.164-32UNC-3A

TABLE XIV - MS DASH NUMBER

MS 91528-2AA2B

SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
1	AA -- ROUND KNOB LOCK POINTER WITH WHITE LINE	1 - 1/8" ROUND	B -- BLACK
2	BB -- ROUND KNOB LOCK POINTER WITH FLUORESCENT LINE	2 - 1/4" ROUND	G -- GRAY
3	QQ -- ROUND KNOB LOCK POINTER WITH PHOSPHORESCENT LINE	3 - 1/8" "D" FLAT	R -- RED
		4 - 1/4" "D" FLAT	

## NOTES:

1. STYLE BB AND QQ KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
2. KNOB LOCK POINTER KNOBS ARE USED WITH KNOB LOCKS AS SHOWN ON SHEET 35.
3. FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Code 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 7 OF 47

COORDINATED

User activities:  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

APPROVED 2 DEC 1955 REVISED 15, 16, 19, 37, and 42

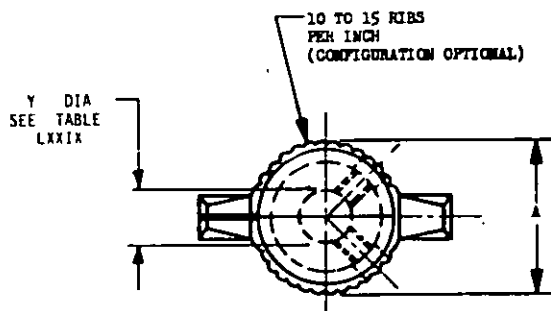
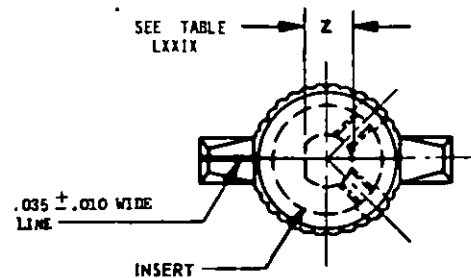
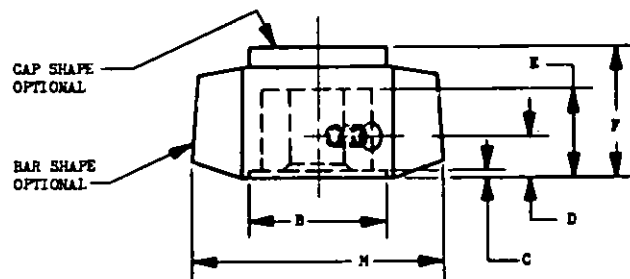
FED. SUP CLASS  
5355TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

TABLE XV - ROUND BAR KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F +0.030	H ±0.025	SET SCREWS (2 REQ'D)	
			B MIN	C MIN		K MIN	1/8" SHAFT HOLE			1/4" SHAFT HOLE	
SEE TABLE XVI	1	0.700	0.185	0.026	0.187	0.405	0.610	1.150	.112-40UNC-3A	.112-40UNC-3A	

TABLE XVI - MS DASH NUMBER

MS 91528-1 GG2 B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
1	00-ROUND BAR WITH WHITE LINE	1--1/8" ROUND	B-BLACK
	JJ-ROUND BAR WITH FLUORESCENT LINE	2--1/4" ROUND	G-GRAY
	SS-ROUND BAR WITH PHOSPHORESCENT LINE	3--1/8" "D" FLAT	R-RED
		4--1/4" "D" FLAT	

## NOTES:

- STYLE JJ AND SS KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Cust	EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-E-3926	SUPERSEDES:		SHEET 8 OF 47

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

User activities:  
Navy - CG, OS

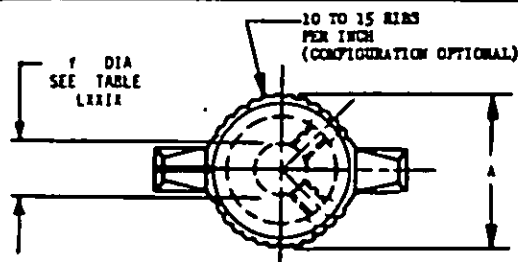
This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.



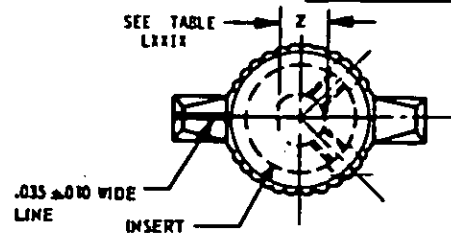
User activities:  
Navy - CG, OS

Review activities:  
Army - AJ, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.



TOP VIEW SHOWING ROUND SHAFT HOLE



TOP VIEW SHOWING 'D' FLAT SHAFT HOLE

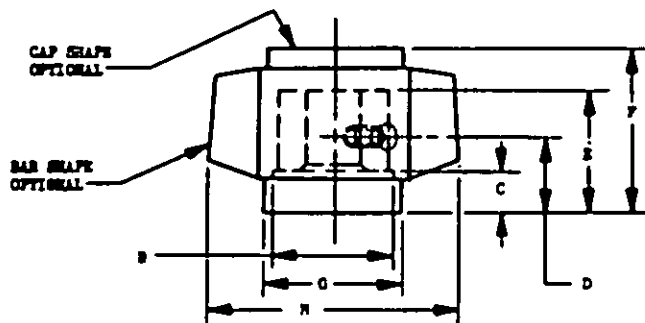


TABLE XVII-ROUND BAR RING SKIRT KNOBS

NO DASH NUMBER	SERIES	A ±0.030 -0.010	RIB CLEARANCE		D MAX	E MIN	F ±0.030	G MAX	H ±0.025	SET SCREWS (2 REQ'D)	
			B MIN	C MIN						1/8" SHAFT HOLE	1/8" SHAFT HOLE
SEE TABLE XVIII	1	0.700	0.185	0.188	0.369	0.568	0.782	0.680	1.150	.112-40UNC-3A	.112-40UNC-3A

TABLE XVIII-MS DASH NUMBER

MS 91528 - 1 HH 2 B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
1	HH-ROUND BAR RING SKIRTED WITH WHITE LINE	1-1/8" ROUND	B-BLACK
	KK-ROUND BAR RING SKIRTED WITH PHOSPHORESCENT LINE	2-1/4" ROUND	G-GRAY
	PP-ROUND BAR RING SKIRTED WITH PHOSPHORESCENT LINE	3-1/8" "D" FLAT	R-RED
		4-1/4" "D" FLAT	

NOTES:

1. STYLE KK AND PP KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Code	EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-8-3986	SUPERSEDES	SHEET 9 OF 17	

DD FORM 672-1 COORDINATED

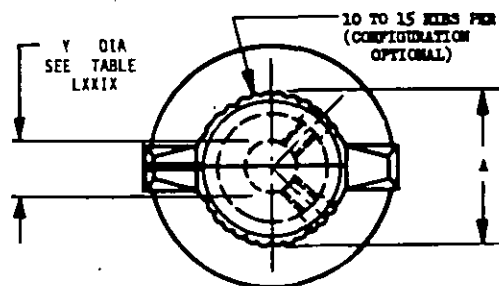
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

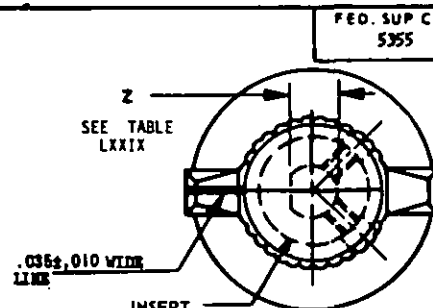
User activities:  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.



TOP VIEW SHOWING ROUND SHAFT HOLE



TOP VIEW SHOWING 'D' FLAT SHAFT HOLE

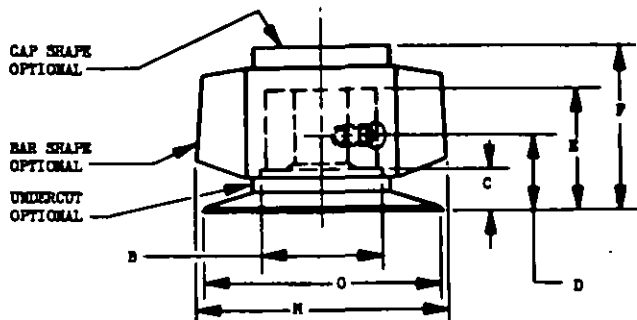


TABLE XIX - ROUND BAR DIAL SKIRT KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NOT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F +0.030 MAX	G MAX	H ±0.025	SET SCREWS (2 REQ'D)	
			B MIN	C MIN		E MIN					1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE XX	1	0.700	0.485	0.188	0.369	0.568		0.782	1.158	1.150	.112-40UNC-3A	.112-40UNC-3A

TABLE XX - MS DASH NUMBER

MS91528-1 II 2 B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
1	II-ROUND BAR DIAL SKIRTED WITH WHITE LINE	1--1/8" ROUND	B--BLACK
	LL-ROUND BAR DIAL SKIRTED WITH FLUORESCENT LINE	2--1/4" ROUND	G--GREY
	VV-ROUND BAR DIAL SKIRTED WITH PHOSPHORESCENT LINE	3--1/8" "D" FLAT	R--RED
		4--1/4" "D" FLAT	

NOTES:

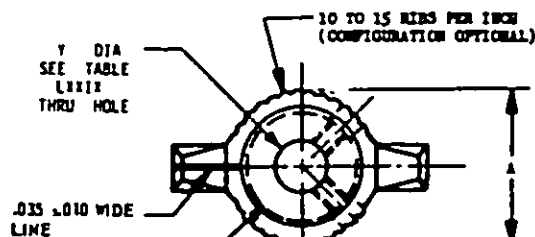
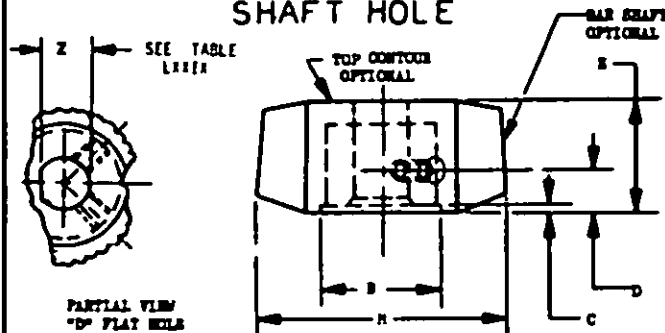
1. STYLE LL AND VV KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Cast	EC ER LL	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-E-3926		SUPERSEDES:	SHEET 10 OF 47

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

FED. SUP CLASS  
5355TOP VIEW SHOWING ROUND  
SHAFT HOLE

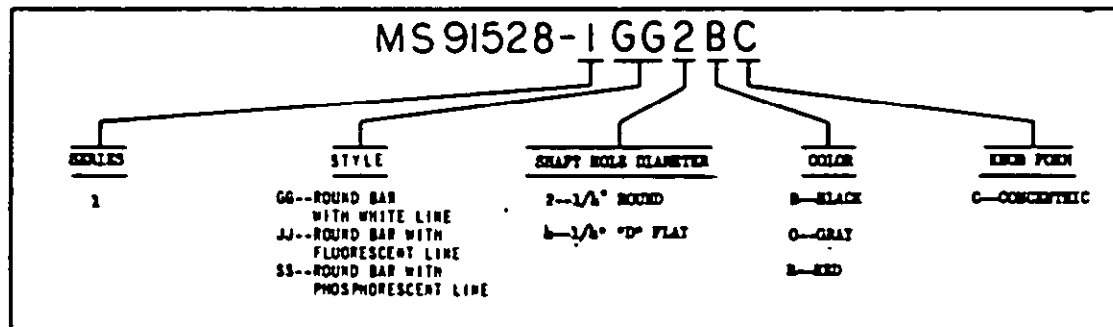
CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS: AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER ROUND, RING SKIRT ROUND, ROUND TACTILE, AND RING SKIRT ROUND TACTILE KNOBS DETAILED ON SHEETS 1, 2, 30 AND 31.

ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY.

TABLE XXI- ROUND BAR CONCENTRIC KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NOT CLEARANCE		D MAX	E ±0.015	H ±0.020	SET SCREWS (2 REQ'D) 1/8" SHAFT HOLE
			B MIN	C MIN				
SEE TABLE XXI-1	1	0.700	0.185	0.025	0.187	0.510	1.150	.112-4UNC-3A

TABLE XXII- MS DASH NUMBER



## NOTES:

1. STYLE JJ AND SS KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

APPROVED 2 DEC 1955 REVISED 3 For changes see sheets 15, 16, 29, 37, and 42

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

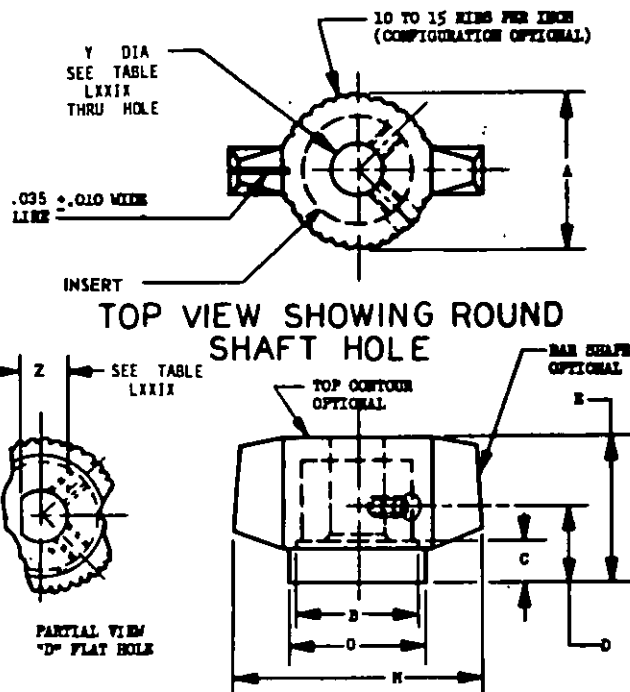
Review activities:  
Army - M, AF, AV, EA, ME  
Navy - MC, AS  
DLA - IS

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P.A. Other Cost	EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH; AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-E-3926	SUPERSEDES	SHEET 11	OF 0

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS; AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER ROUND, RING SKIRT ROUND, ROUND TACTILE, AND RING SKIRT ROUND TACTILE KNOBS DETAILED ON SHEETS 1, 2, 30 AND 31.

ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY.

TABLE XXIII-ROUND BAR CONCENTRIC RING SKIRT KNOBS

MS DASH	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	E +0.025	G MAX	H +0.025	SET SCREWS (2 REQ'D)
			B MIN	C MIN					1/4" SHAFT HOLE
SEE TABLE XXIV	1	0.700	0.485	0.188	0.369	0.690	0.680	1.250	.112-40UNC-3A

TABLE XXIV- MS DASH NUMBER

MS 91528-1 HH2 BC				
SERIES	SHAFT	SHAFT HOLE DIAMETER	COLOR	KNOB FORM
1	HH - ROUND BAR RING SKIRTED WITH WHITE LINE KK - ROUND BAR RING SKIRTED WITH FLUORESCENT LINE PP - ROUND BAR RING SKIRTED WITH PHOSPHORESCENT LINE	2-1/8" ROUND 4-1/8" "D" FLAT	B-BLACK G-GRAY R-RED	C-CONCENTRIC

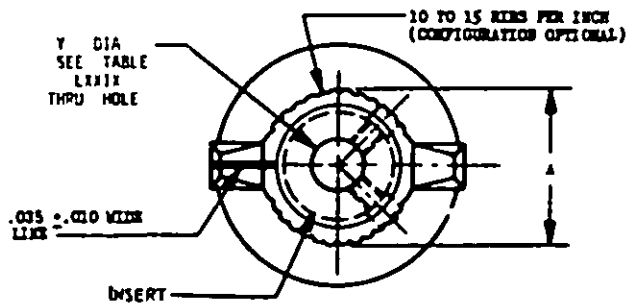
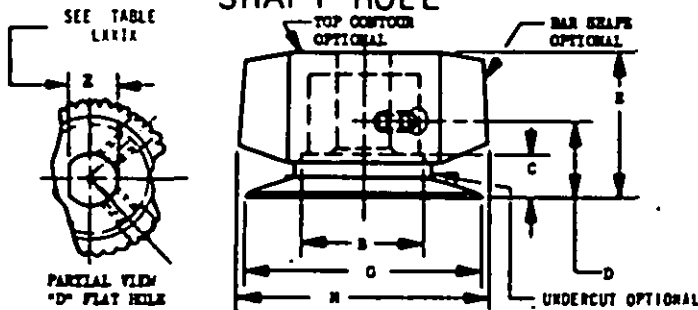
## NOTES:

- STYLE KK AND PP KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

Review activities:  
Army - MI, AT, AV, EA, ME,  
Navy - MC, AS  
DCA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P.A. Other Cost	EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-E-3926	SUPERSEDES:	SHEET 12 OF 47	

FED. SUP CLASS  
5355TOP VIEW SHOWING ROUND  
SHAFT HOLE

CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS. AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER ROUND, RING SKIRT ROUND, ROUND TACTILE, AND RING SKIRT ROUND TACTILE KNOBS DETAILED ON SHEETS 1, 2, 30 AND 31.

ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY.

TABLE XXV-ROUND BAR CONCENTRIC DIAL SKIRT KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	WIT CLEARANCE		D MAX	E ±0.025	O MAX	H ±0.025	SFT BODIES (2 REQ'D)
			B MIN	C MIN					1/8" SHAFT HOLE
SEE TABLE XXVI	1	0.700	0.685	0.188	0.369	0.690	1.150	1.150	.112-62U1C-3A

TABLE XXVI-MS DASH NUMBER

MS91528-1 II 2 BC				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	KNOB FORM
1	II - ROUND BAR DIAL SKIRTED WITH WHITE LINE LL - ROUND BAR DIAL SKIRTED WITH FLUORESCENT LINE VV - ROUND BAR DIAL SKIRTED WITH PHOSPHORESCENT LINE	2-1/8" BORED 6-1/8" D FLAT	B-BLACK G-GRAY R-RED	C-CONCENTRIC

## NOTES:

- STYLE LL AND VV KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

User activities:  
Newy - CG, OS  
Review activities:  
Army - AI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - 15

P.A. Other Cost	MC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-8-9926	SUPERSEDES:	SHEET 11 OF 0	

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 2 DEC 1955 REVISED ② For changes see sheets 15, 16, 29, 37, and 42

FED. SUP CLASS  
5355User activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

## REQUIREMENTS: FOR SHEETS I THRU I3

DASH NO.	TESTS MIL-K-3926	EXTENT OF APPROVAL
1F2G	TABLE II GROUPS I, II, III, IV AND V	ALL
5D2B	TABLE II GROUPS I, II, III, IV AND V	ALL
2Q2G	TABLE II GROUPS I, II, III, IV AND V	ALL

IF PART NUMBER SPECIFIED IS NOT MANUFACTURED, REQUEST  
ALTERNATE NUMBER FROM GOVERNMENT.

This military standard is approved for use by all Departments  
in Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for replacement use shall  
be made from this document, when applicable.

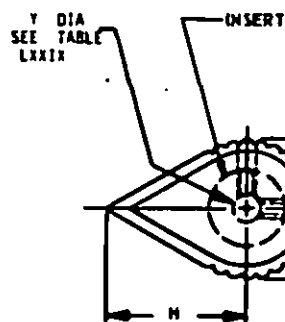
APPROVED 2 DEC 1955 REVISED (J) For changes see sheets 15, 16, 29, 37, and 42

P.A. EC Other Code ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE; KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 14 OF 47

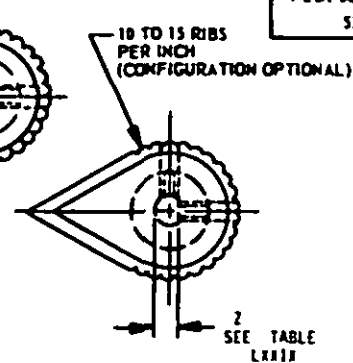
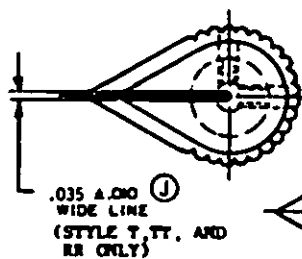
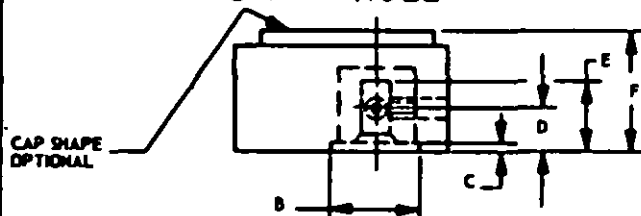
Use activities:  
Navy - CG, OS

Review activities:  
Army - MJ, AT, AV, EA, ME  
Navy - MC, AS  
DLA - 15

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.



TOP VIEW SHOWING ROUND  
SHAFT HOLE



TOP VIEW SHOWING 'D'  
FLAT SHAFT HOLE

TABLE XXVII-POINTER KNOBS

MS DASH NUMBER	SERIES	A +0.000 -0.010	NUT CLEARANCE		D -MAX	SHAFT HOLE DEPTH		F ± 0.030	M +0.025 -0.005	KEY SCREWS (2 REQ'D)	
			B MIN	C MIN		E MIN				1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE LXXIX	0	0.500	0.420	0.026	0.158	0.405		0.510	0.490	.112-40UNC-3A	.112-40UNC-3A
	1	0.700	0.485	0.026	0.187	0.405		0.610	0.680	.112-40UNC-3A	.112-40UNC-3A
	2	0.900	0.640	0.114	0.260	0.520		0.790	0.885	.112-40UNC-3A	.164-32UNC-3A

TABLE XXVIII-MS DASH NUMBER

MS 91528 - 2 P 2 B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	P - PLAIN POINTER	1 - 1/8" ROUND	B - BLACK
1	T - PLAIN POINTER WITH WHITE LINE	2 - 1/4" ROUND	G - GRAY
2	TT - PLAIN POINTER WITH FLUORESCENT LINE	3 - 1/8" "D" FLAT	R - RED
	RR - PLAIN POINTER WITH PHOSPHORESCENT LINE	4 - 1/4" "D" FLAT	

NOTES:

1. STYLE TT AND RR KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107, MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

P.A. IC Other Code ERF 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCK)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3928	SUPERSEDES	SHEET 15 OF 17

COORDINATED

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

FED. SUP CLASS  
5355Y DIA  
SEE TABLE  
LXXIX

INSERT

10 TO 15 RIBS  
PER INCH  
(CONFIGURATION OPTIONAL).035 ± .010 (J)  
WIDE LINE  
(STYLE U, UU, AND  
WW ONLY.)SEE TABLE  
LXXIXTOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING 'D'  
FLAT SHAFT HOLECAP  
SHAPE  
OPTIONAL

TABLE XXIX - POINTER RING SKIRT KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ± 0.030	G MAX	H +0.025 -0.005	SET SCREWS (2 REQ'D)	
			B MIN	C MIN						1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE	0	0.500	0.300	0.177	0.325	0.560	0.655	0.690	0.490	.112-40UNC-3A	.112-40UNC-3A
TABLE	1	0.700	0.485	0.188	0.369	0.568	0.782	1.000	0.680	.112-40UNC-3A	.112-40UNC-3A
XXX	2	0900	0.640	0.320	0.484	0.730	1.010	1.345	0.885	.112-40UNC-3A	.164-32UNC-3A

TABLE XXX - MS DASH NUMBER

MS 91528-2K2B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	K - SKIRTED POINTER	1 - 1/8" ROUND	B - BLACK
1	U - SKIRTED POINTER WITH WHITE LINE	2 - 1/4" ROUND	G - GRAY
2	UU - SKIRTED POINTER WITH FLUORESCENT LINE	3 - 1/8" "D" FLAT	R - RED
	WW - SKIRTED POINTER WITH PHOSPHORESCENT LINE	4 - 1/4" "D" FLAT	

## NOTES:

- STYLE VV AND WW KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107, MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

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P.A. Other Cost ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 16 OF 47

COORDINATED

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42



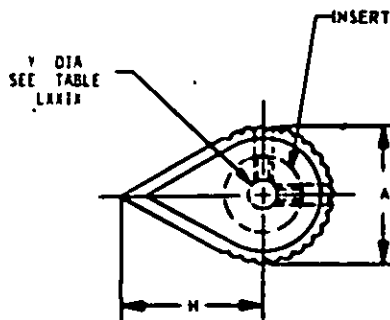
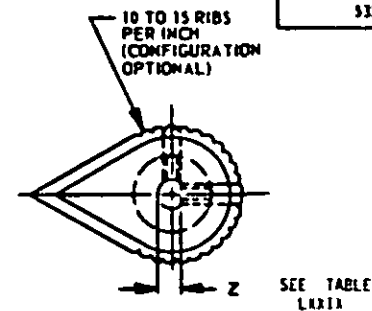
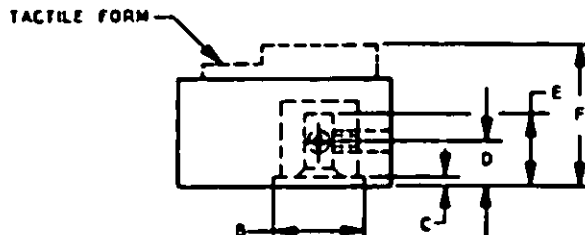
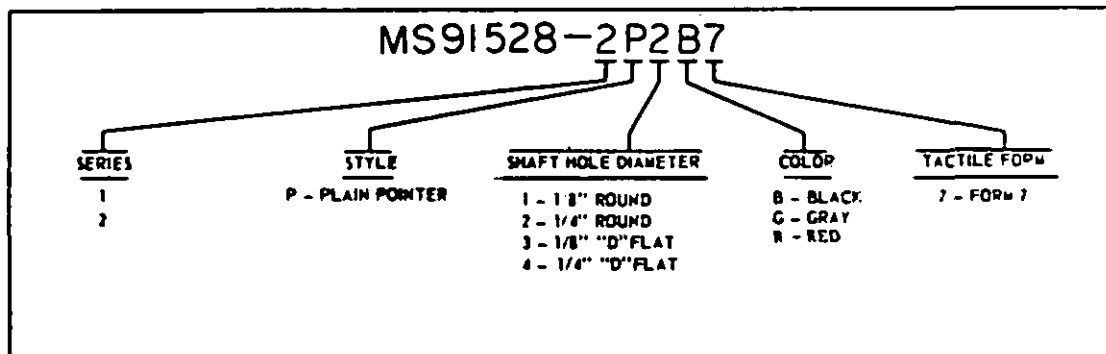
FED. SUP CLASS  
3335TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

TABLE XXXI- POINTER TACTILE KNOBS

MS DASH NUMBER	SERIES	A +0.000 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F ± 0.050	H + 0.075 - 0.005	SET SCREWS (2 REQ'D)	
			B MIN	C MIN		E MIN				1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE XXXX	1	0.700	0.485	0.826	0.187	0.405	0.900	0.680		.112-40 UNC-3A	.112-40 UNC-3A
	2	0.900	0.640	0.114	0.280	0.520	1.155	0.885		.112-40 UNC-3A	.164-32 UNC-3A

TABLE XXXII- MS DASH NUMBER



- NOTES:  
1. FOR TACTILE FORM DIMENSIONS, SEE SHEET 33.  
2. FOR GENERAL NOTES SEE SHEET 47.

User activities:  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P.A. Other Code 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES	SHEET 17 OF

COORDINATED

APPROVED 2 DEC 1955 REVISED 3 For change see sheets 15, 16, 29, 37, and 42

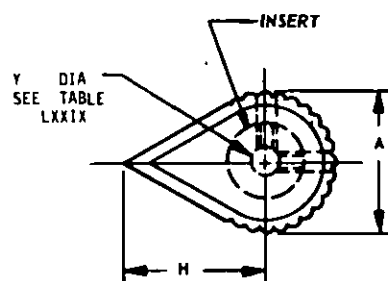
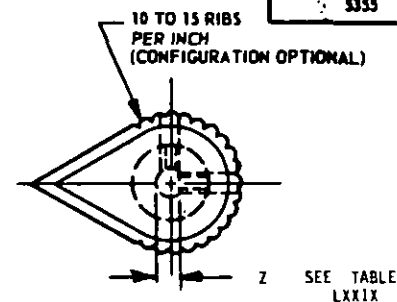
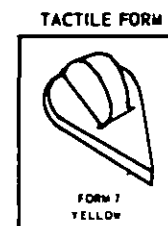
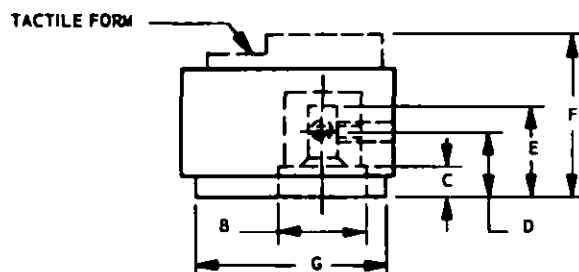
FED. SUP CLASS  
5355TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

TABLE XXXIII POINTER RING SKIRT TACTILE KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F ± 0.050	G MAX	H +0.015 -0.005	SET SCREWS (2 REQD)	
			B MIN	C MIN		E MIN	F ± 0.050				1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE XXXIV	1	0.700	0.485	0.188	0.369	0.568	1.075	1.000	0.680		112-40 UNC-3A	112-40 UNC-3A
	2	0.900	0.440	0.320	0.484	0.730	1.375	1.345	0.885		112-40 UNC-3A	164-32 UNC-3A

TABLE XXXIV-MS DASH NUMBER

MS91528-2K2B7				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	TACTILE FORM
1	K - SKIRTED POINTER	1 - 1/8" ROUND	B - BLACK	7 - FORM 7
2		2 - 1/4" ROUND	G - GRAY	
		3 - 1/8" "D" FLAT	R - RED	
		4 - 1/4" "D" FLAT		

## NOTES:

- FOR TACTILE FORM DIMENSIONS, SEE SHEET 33.
- FOR GENERAL NOTES, SEE SHEET 47.

APPROVED 2 DEC 1955 REVISED 1 For changes see sheets 15, 16, 29, 37, and 42

P.A. Other Code 11	EC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK, POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926		SUPERSEDES:	SHEET 18 OF 47

COORDINATED

User activities:  
Army - MI, AT, AV, EA, WE  
Navy - CG, OS  
DLA - IS

Review activities:  
Army - MI, AT, AV, EA, WE  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

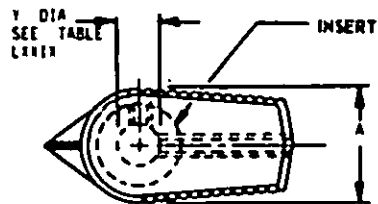
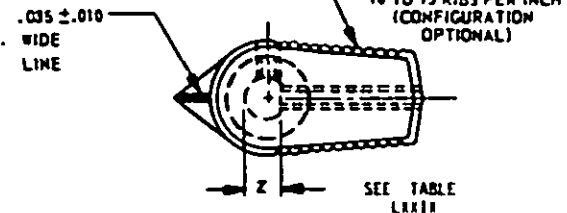
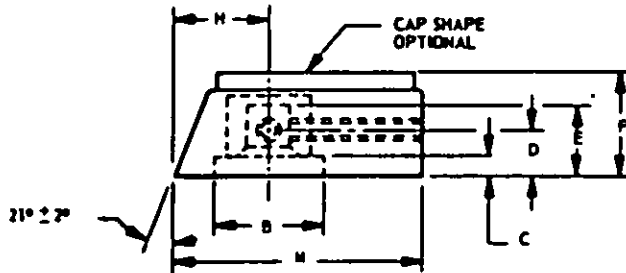
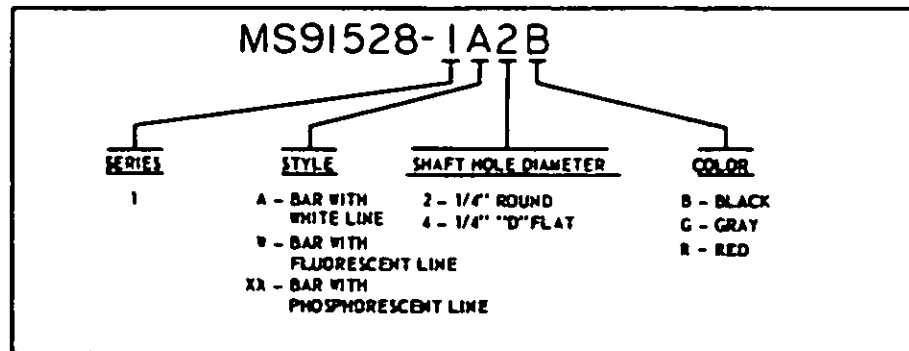
FED. SUP CLASS  
3355TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING 'D'  
FLAT SHAFT HOLE

TABLE XXXV-BAR KNOBS

MS DASH NUMBER	SERIES	A +0.000 -0.010	NUT CLEARANCE		D MAX	SHAFT CLEARANCE		F ± 0.015	H MAX	M MAX	SET SCREWS (2 REQ'D)
			B MIN	C MIN		E MIN					1/4" SHAFT HOLE
SEE TABLE XXXYI	1	0.700	0.515	0.110	0.250	0.445		0.645	0.575	1.515	.164-32UNC-3A

TABLE XXXVI-MS DASH NUMBER



## NOTES:

- STYLE V AND XX KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

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P.A. Other Code ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD
		<b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-4-20	SUPERSEDES:	SHEET 19 OF 27

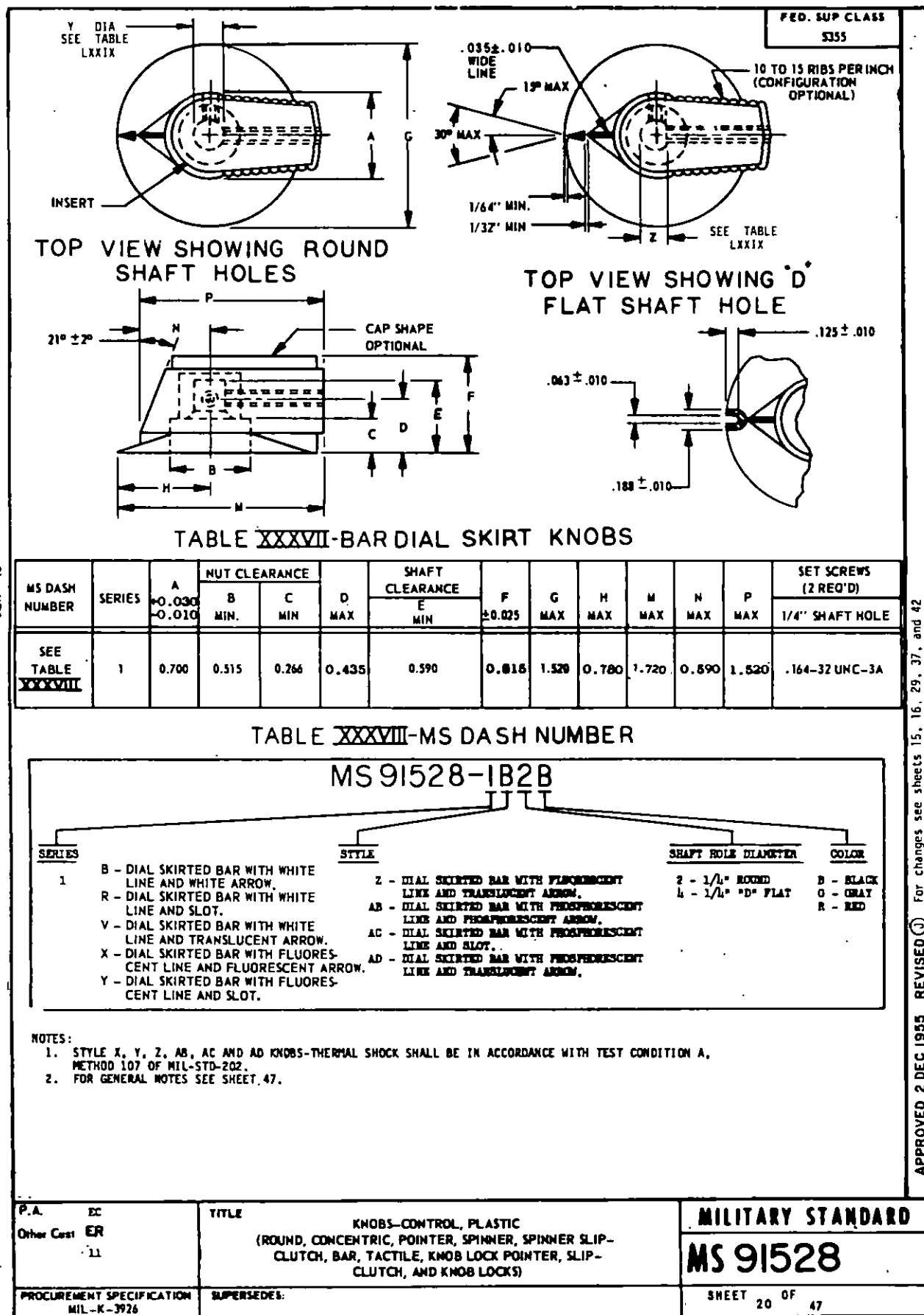
COORDINATED

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

User activities:  
Navy - CG, OS  
  
Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

User activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

"This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable."



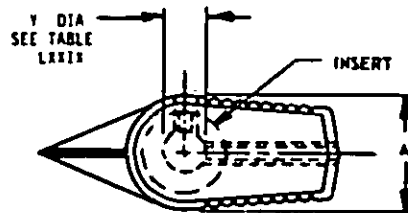
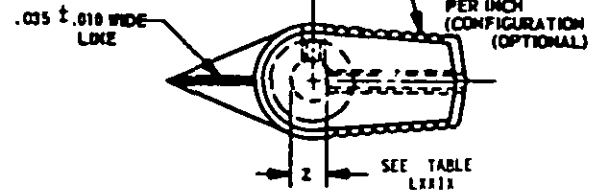
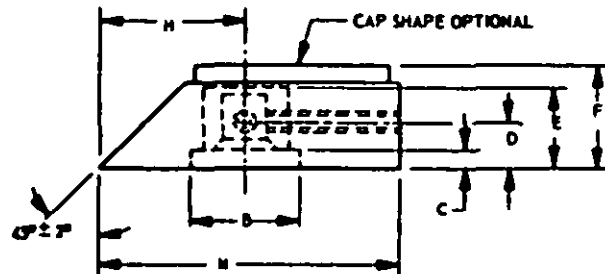
PED. SUP CLASS  
5355

 TOP VIEW SHOWING ROUND  
SHAFT HOLE

 TOP VIEW SHOWING 'D'  
FLAT SHAFT HOLE


TABLE XXXIX-BAR ANTI-PARALLAX KNOBS

MS DASH NUMBER	SERIES	A +0.000 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F ± 0.015	H MAX	M MAX	SET SCREWS (2 REC'D)
			B MIN	C MIN		E MIN	1/4" SHAFT HOLE				
SEE TABLE II	2	0.700	0.395	0.110	0.250	0.445		0.645	0.900	1.855	.164-32 UNC-3A

TABLE XL - MS DASH NUMBER

MS91528-2L2B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
2	L - BAR WITH WHITE LINE W - BAR WITH FLUORESCENT LINE XX - BAR WITH PHOSPHORESCENT LINE	2 - 1/4" ROUND 4 - 1/4" "D" FLAT	B - BLACK G - GRAY R - RED

## NOTES:

- STYLE W AND XX KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

APPROVED 2 DEC 1955 REVISED ② For changes see sheets 15, 16, 29, 37, and 42

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P.X. Other Code ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD
		MS91528
PROCUREMENT SPECIFICATION MIL-H-3726	SUPERSEDES:	SHEET 21 OF 47

COORDINATED

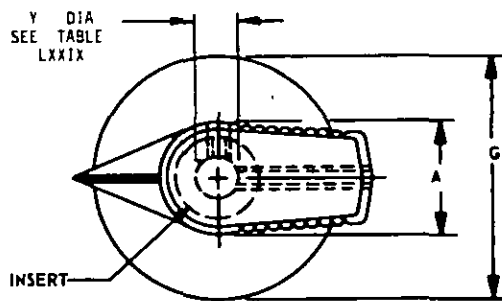
 User activities:  
Army - CG, OS  
Navy - CG, OS

 Review activities:  
Army - MJ, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

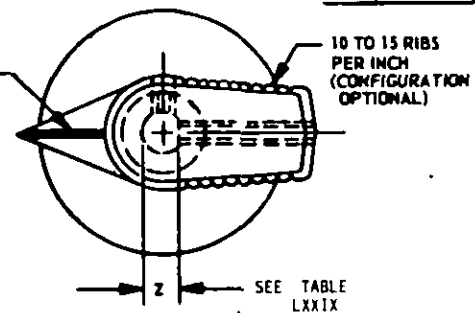
User activities:  
Army - CG, OS  
Navy - CG, OS

Review activities:  
Army - MJ, AT, AV, EA, ME  
Navy - MC, AS  
DLA - 15

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TOP VIEW SHOWING ROUND SHAFT HOLE



TOP VIEW SHOWING 'D' FLAT SHAFT HOLE

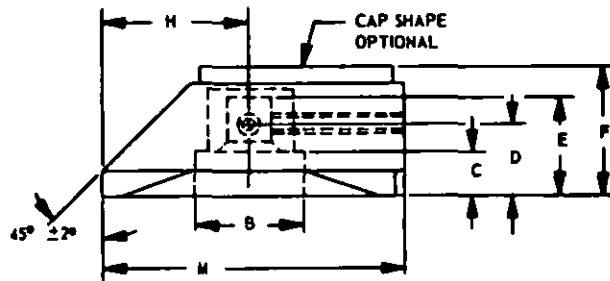
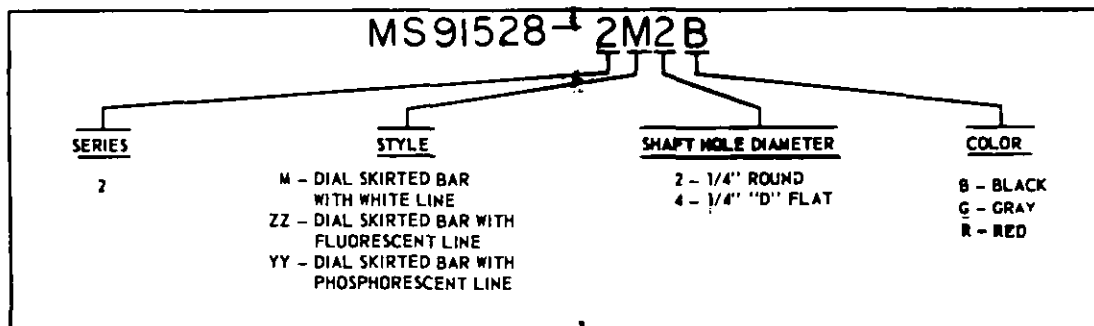


TABLE XLII BAR ANTI-PARALLAX DIAL SKIRT KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F ±0.025	G MAX	H MAX	M MAX	SET SCREWS (2 REQ'D)
			B MIN	C MIN		E MIN	1/4" SHAFT HOLE					
SEE TABLE XIII	2	0.700	0.470	0.266	0.435	0.590	0.015	1.520	0.915	1.870		.164-32 UNC-3A

TABLE XLII - MS DASH NUMBER



NOTES:

- STYLE ZZ AND YY KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Code	2C ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 22 OF 4	

COORDINATED

APPROVED 2 DEC 1955 REVISED 1 For changes see sheets 15, 16, 29, 37, and 42

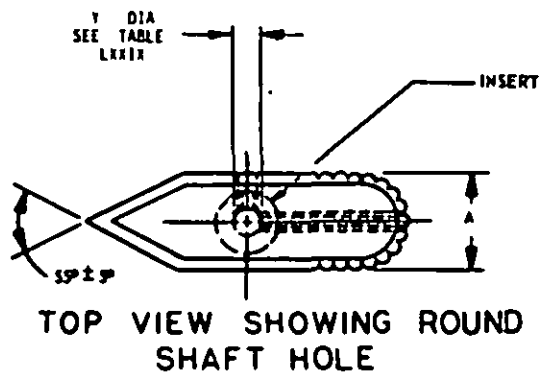
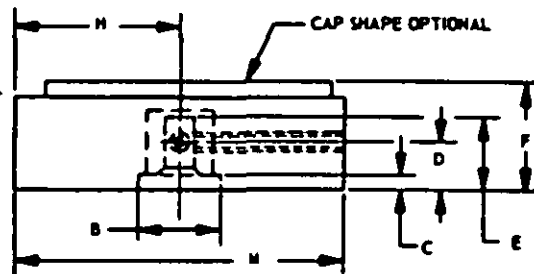
FED. SUP CLASS  
5355TOP VIEW SHOWING 'D'  
FLAT SHAFT HOLE

TABLE XIII - BAR KNOBS

MS DASH NUMBER	SERIES	A MAX	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F MAX	H MAX	M MAX	SET SCREWS (2 REC'D)
			B MIN	C MIN		E MIN					1/4" SHAFT HOLE
SEE TABLE XIV	J	0.788	0.562	0.177	0.348	0.739		0.849	1.290	2.532	.164-32 UNC-3A

TABLE XIV - MS DASH NUMBER

MS91528-3R2B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
J	R - BAR	2 - 1/4" ROUND 4 - 1/4" "D" FLAT	B - BLACK G - GRAY R - RED

## NOTES:

- FOR GENERAL NOTES SEE SHEET 47.

APPROVED 2 DEC 1955 REVISED ① for changes see sheets 15, 16, 29, 37, and 42

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P.A. Other Code ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3928	SUPERSEDES:	SHEET 23 OF 27

COORDINATED

FED. SUP CLASS  
5355

## REQUIREMENTS: FOR SHEETS 15 THRU 23

DASH NO.	TESTS MIL-K-3926	EXTENT OF APPROVAL
IU2B	TABLE II GROUPS I, II, III, IV AND V	ALL
2K2B7	TABLE II GROUPS I, II, III, IV AND V	ALL
IR4B	TABLE II GROUPS I, II, III, IV AND V	ALL
3R2B	TABLE II GROUPS I, II, III, IV AND V	ALL

IF PART NUMBER SPECIFIED IS NOT MANUFACTURED, REQUEST  
ALTERNATE NUMBER FROM GOVERNMENT.

User activities  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, ME,  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments  
& Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for repetitive use shall  
be made from this document, when applicable.

APPROVED 2 DEC 1955 REVISED ③ For changes see sheets 15, 16, 29, 37, and 42

P.A. EC Other Cost ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 24 OF 47

DD FORM 672-1 (Coordinated)  
1 MAR 72

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



Use activities:  
Army - CG, OS  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, WE  
Navy - MC, AS  
DLA - IS

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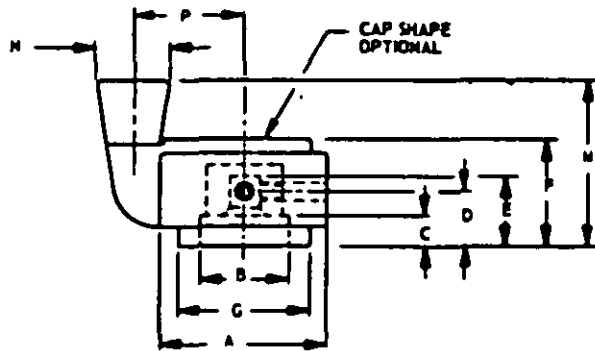
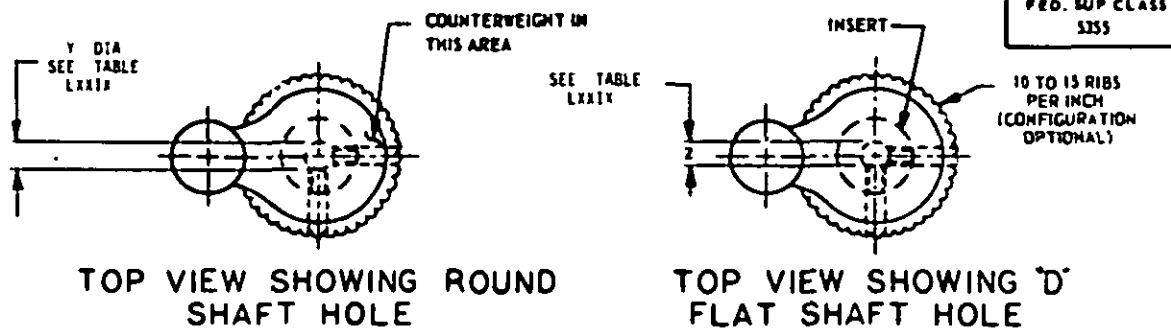
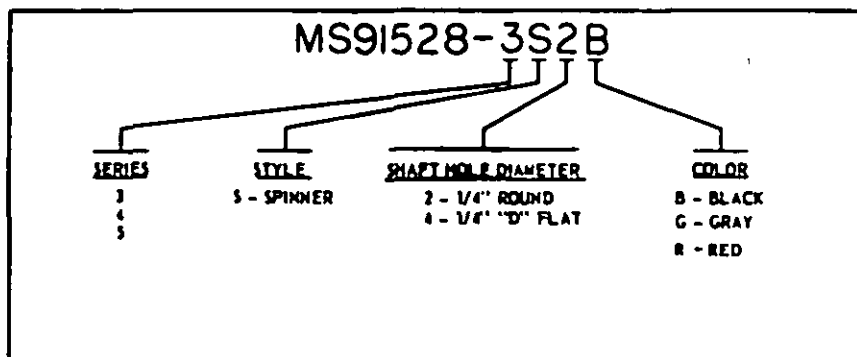


TABLE XIV-SPINNER KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX.	SHAFT HOLE DEPTH		F ±0.030	G MAX.	H ±0.050	N ±0.025	P ±0.015	SET SCREWS (2 REQ'D)
			B MIN.	C MIN.		E MIN.	1/4" SHAFT HOLE						
SEE TABLE XXIX	3	1.250	0.685	0.250	0.427	0.605	0.850	1.185	1.350	0.580	0.800	.164-32UNC-3A	
	4	1.750	0.685	0.320	0.489	0.760	1.070	1.490	1.750	0.780	1.094	.164-32UNC-3A	
	5	2.250	0.685	0.320	0.489	0.768	1.095	2.185	1.782	0.780	1.344	.164-32UNC-3A	

TABLE XLVI-MS DASH NUMBER



NOTES:

1. FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Code 11	12 ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES		SHEET 25 OF 47

COORDINATED

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

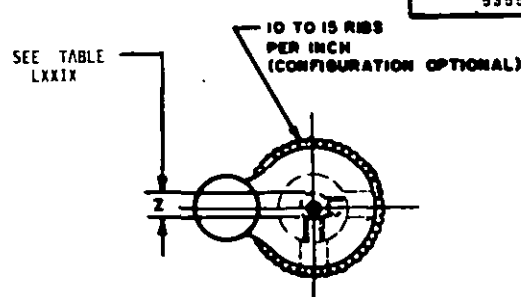
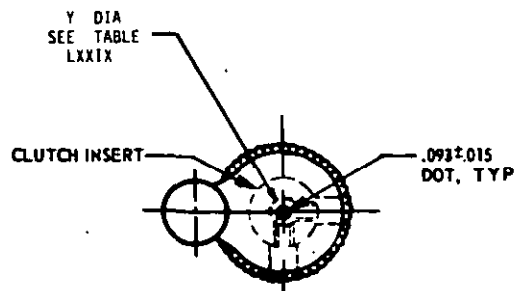
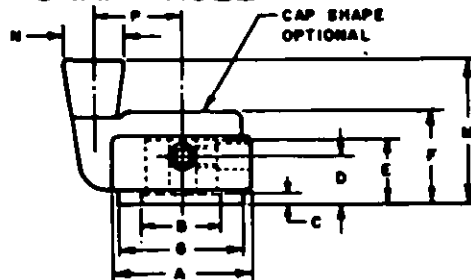
FED. SUP CLASS  
5355TOP VIEW SHOWING ROUND  
SHAFT HOLETOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

TABLE XLVII-SPINNER SLIP CLUTCH KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ±0.030	G MAX	M ±0.050	N ±0.025	P ±0.015	SET SCREWS (2 REQ'D)	CLUTCH SLIP TORQUE
			B MIN	C MIN								1/4" SHAFT HOLE	INCH-OUNCES
SEE TABLE XLVIII	3	1.250	0.750	0.250	.440	.600	1.040	1.185	1.520	0.580	0.800	.164-32UNC-3A	28-56
	4	1.750	0.750	0.320	.500	.740	1.070	1.690	1.758	0.780	1.094	.164-32UNC-3A	42-84
	5	2.250	0.750	0.320	.500	.740	1.095	2.185	1.782	0.780	1.344	.164-32UNC-3A	64-124

TABLE XLVIII-MS DASH NUMBER

**MS91528-3 SC 2 B**

SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
3	SC - SPINNER SLIP-CLUTCH WITH WHITE DOT	2 - 1/4" ROUND	B - BLACK
4	SD - SPINNER SLIP-CLUTCH WITH FLUORESCENT DOT	4 - 1/4" D FLAT	G - GRAY
5	SE - SPINNER SLIP-CLUTCH WITH PHOSPHORESCENT DOT		R - RED

## NOTES:

1. TORQUE REQUIREMENTS OF MIL-K-3926 NOT APPLICABLE.
2. FOR GENERAL NOTES SEE SHEET 47.

User activities  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, WE  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

P.A. EC Other Code ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD
		<b>MS91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 26 OF 47

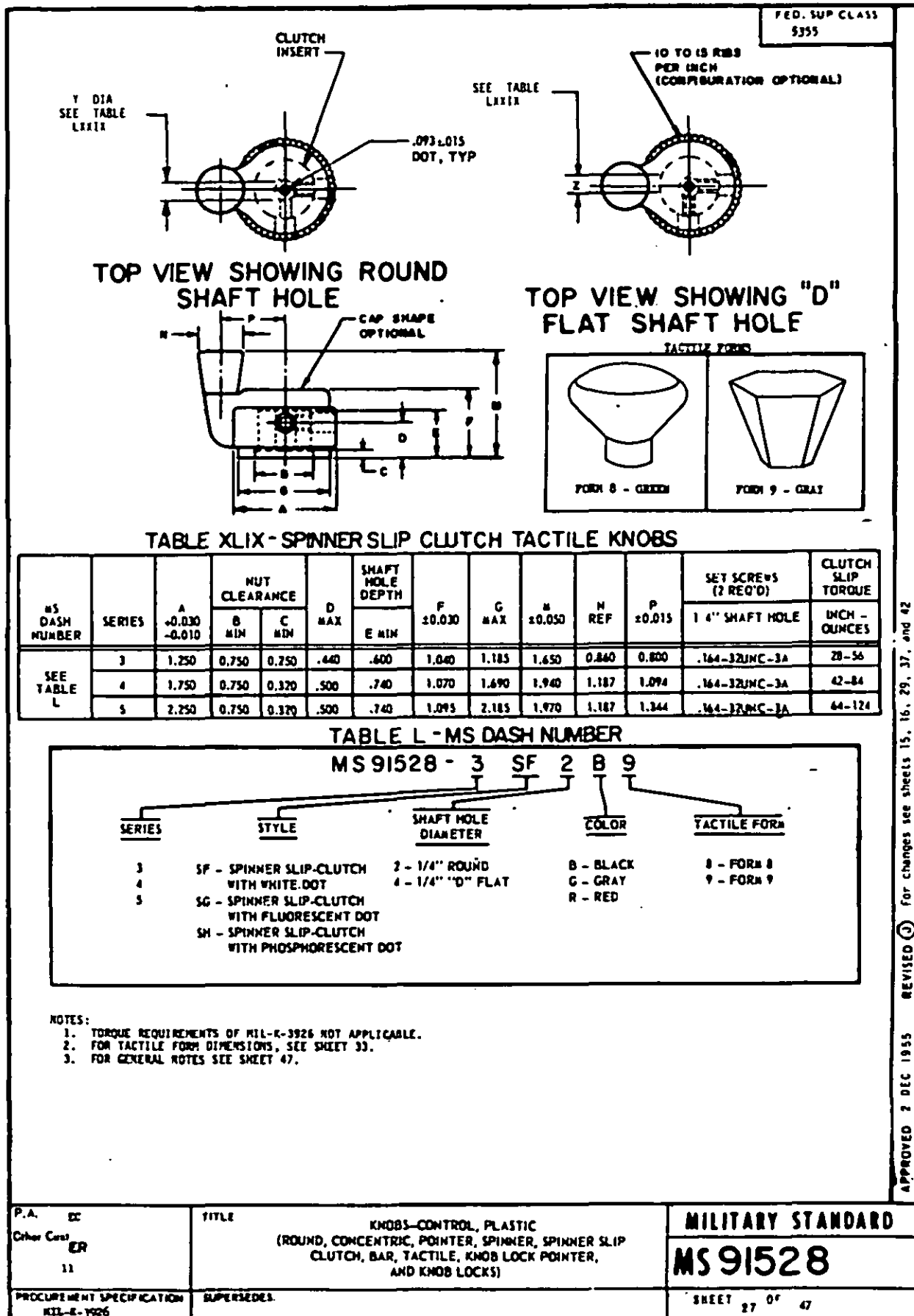
COORDINATED

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

User activities:  
Marty - CG, OS

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

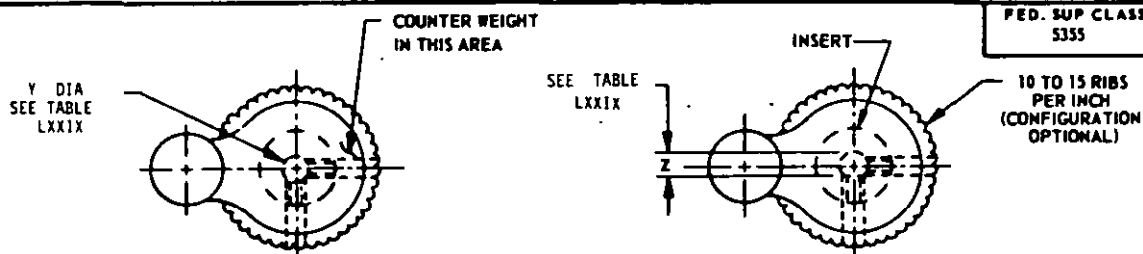
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APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

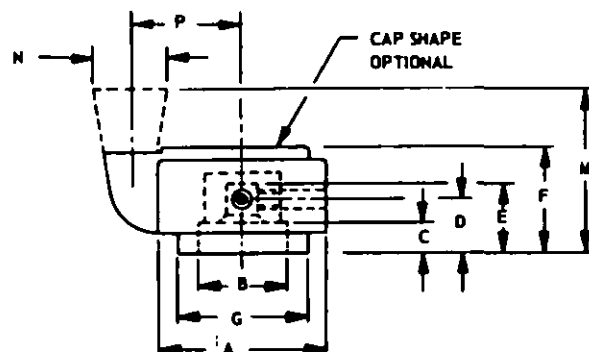
Review activities:  
 Army - MI, AT, AV, EA, ME  
 Navy - MC, AS  
 DLA - IS

User activities:  
 Navy - CG, OS



TOP VIEW SHOWING ROUND  
SHAFT HOLE

TOP VIEW SHOWING "D"  
FLAT SHAFT HOLE



TACTILE FORMS

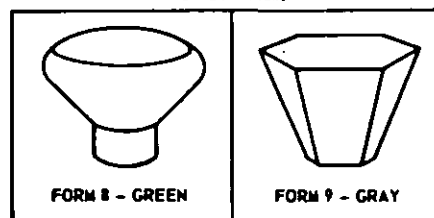
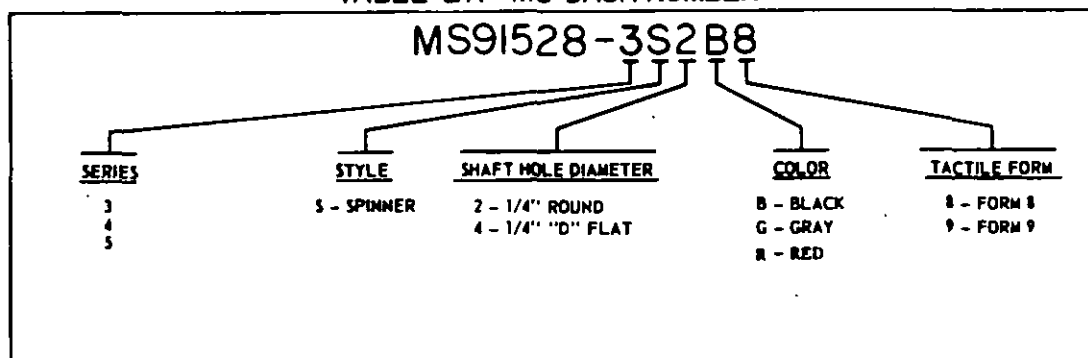


TABLE LI - SPINNER TACTILE KNOBS

MS DASH NUMBER	SERIES	A ±0.030 -0.010	NUT CLEARANCE		D MAX.	SHAFT HOLE DEPTH		F ±0.030	G MAX.	M ±0.050	N REF	P ±0.015	SET SCREWS (2 REQD)
			B MIN.	C MIN.		E MIN.	1/4" SHAFT HOLE						
SEE TABLE LII	3	1.250	0.485	0.250	0.427	0.605		0.850	1.185	1.478	0.840	0.800	.164-32 UNC-3A
	4	1.750	0.485	0.320	0.489	0.740		1.070	1.490	1.940	1.187	1.094	.164-32 UNC-3A
	5	2.250	0.485	0.320	0.489	0.740		1.095	2.185	1.970	1.187	1.344	.164-32 UNC-3A

TABLE LII - MS DASH NUMBER



NOTES:

- FOR TACTILE FORM DIMENSIONS, SEE SHEET 33.
- FOR GENERAL NOTES SEE SHEET 47.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

P.A. Other Code 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD
		<b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 20 OF 47

COORDINATED

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

FED. SUP CLASS  
5355User activities:  
Navy - CG, OSReview activities:  
Army - M, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

## REQUIREMENTS: FOR SHEETS 25 THRU 28

DASH NO.	TESTS MIL-K-3926	EXTENT OF APPROVAL
4S2B	TABLE II GROUPS I, II, III, IV AND V	ALL
3SF2B9	TABLE II GROUPS I, II, III, IV AND V INCLUDES TESTS FOR SLIPPING TORQUE.	ALL

IF PART NUMBER SPECIFIED IS NOT MANUFACTURED, REQUEST  
ALTERNATE NUMBER FROM GOVERNMENT.

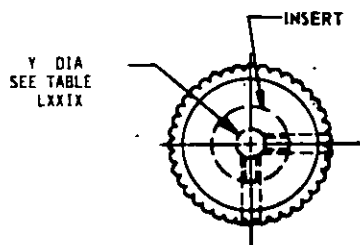
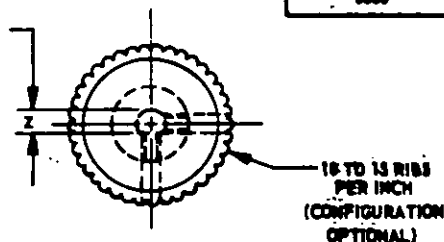
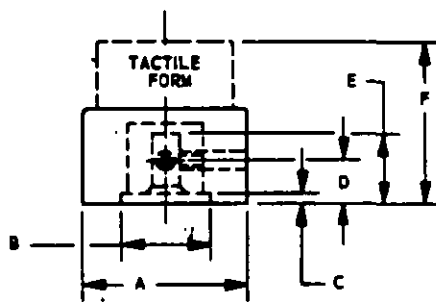
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& Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for retooling use shall  
be made from this document, when applicable.

P.A. EC Other Code ER II	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES	SHEET 25 OF 47

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

REQ. SUP CLASS  
3335TOP VIEW SHOWING ROUND  
SHAFT HOLESEE TABLE  
LXXIXTOP VIEW SHOWING "D"  
FLAT SHAFT HOLE

TACTILE FORMS

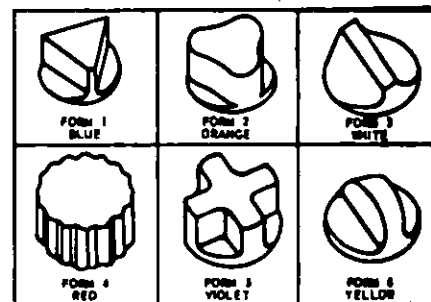


TABLE LIII ROUND TACTILE KNOBS

MS DASH NUMBER	SERIES	A +0.000 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ± 0.050	SET SCREWS (2 REQ'D)	
			B MIN	C MIN				1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE LIV	1	0.700	0.485	0.026	0.187	0.405	0.906	.112-40 UNC-3A	.112-40 UNC-3A
	2	0.900	0.640	0.114	0.260	0.520	1.156	.112-40 UNC-3A	.164-32 UNC-3A
	3	1.250	0.750	0.114	0.260	0.455	1.220	—	.164-32 UNC-3A

TABLE LIV MS DASH NUMBER

MS91528-2N2B5				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	TACTILE FORM
1	N - ROUND	1 - 1/8" ROUND	B - BLACK	1 - FORM 1
2		2 - 1/4" ROUND	G - GRAY	2 - FORM 2
3		3 - 1/8" "D" FLAT	R - RED	3 - FORM 3
		4 - 1/4" "D" FLAT		4 - FORM 4
				5 - FORM 5
				6 - FORM 6

## NOTES:

- FOR TACTILE FORM DIMENSIONS, SEE SHEET 33.
- FOR GENERAL NOTES SEE SHEET 47

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

P.A. Other Code 11	EC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 30 OF 47	

COORDINATED

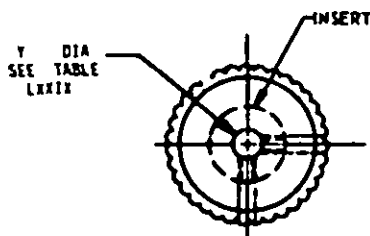
Review activities:  
Army - MJ, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

User activities:  
Navy - CG, OS

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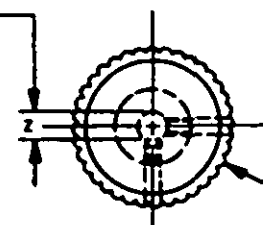
User activities:  
Navy - CG, OSReview activities:  
Army - M, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments and Agencies of the Department of Defense Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

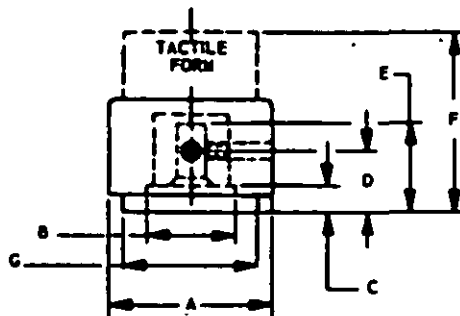


TOP VIEW SHOWING ROUND SHAFT HOLE

SEE TABLE LXXIX



TOP VIEW SHOWING 'D' FLAT SHAFT HOLE



TACTILE FORMS

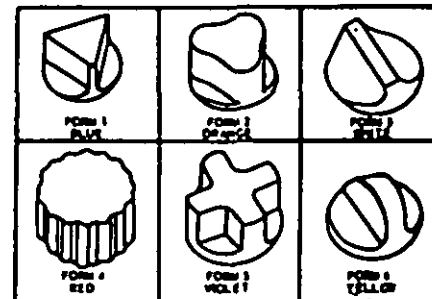


TABLE LV - ROUND RING SKIRT TACTILE KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ± 0.050	G MAX	SET SCREWS (2 REQ'D)	
			B MIN	C MIN					1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE	1	0.700	0.485	0.188	0.349	0.568	1.075	0.680	.112-40 UNC-3A	.112-40 UNC-3A
	2	.0000	0.640	0.320	0.484	0.730	1.375	0.845	.112-40 UNC-3A	.164-32 UNC-3A
LVI	3	1.250	0.750	0.290	0.427	0.605	1.375	1.185		.164-32 UNC-3A

TABLE LVI - MS DASH NUMBER

MS91528-2D2B5					
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	TACTILE FORM	
1	D - SKIRTED ROUND, PLAIN	1 - 1/8" ROUND	B - BLACK	1 - FORM 1	
2		2 - 1/4" ROUND	G - GRAY	2 - FORM 2	
3		3 - 1/8" "D" FLAT	R - RED	3 - FORM 3	
4		4 - 1/4" "D" FLAT		4 - FORM 4	
				5 - FORM 5	
				6 - FORM 6	

## NOTES:

- FOR TACTILE CAP DIMENSIONS, SEE SHEET 33.
- FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Code 11	BC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3928	SUPERSEDES		SHEET 31 OF 47

COORDINATED

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

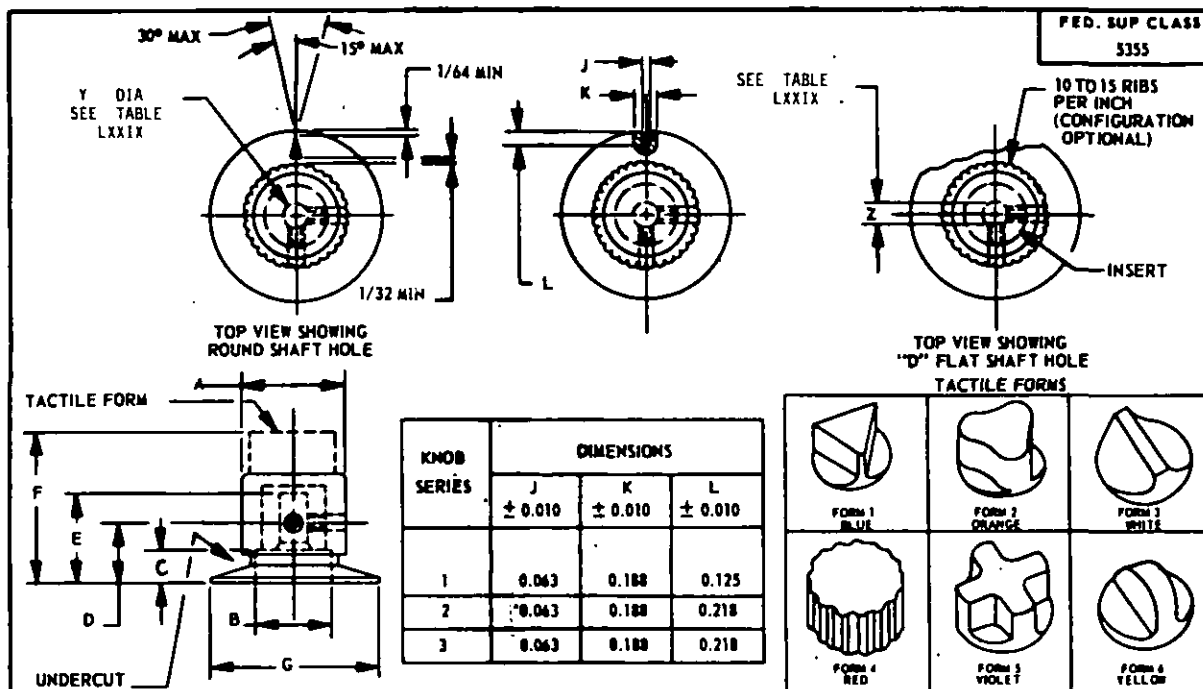
FED. SUP CLASS  
3355

TABLE LVII - ROUND DIAL SKIRT TACTILE KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F ± 0.050	G MAX	SET SCREWS (2 REQD)	
			B MIN	C MIN		E MIN				1/8" SHAFT HOLE	1/4" SHAFT HOLE
SEE TABLE LVIII	1	0.700	0.485	0.100	0.369	0.568		1.075	1.150	.112-40 UNC-3A	.112-40 UNC-3A
	2	0.900	0.640	0.320	0.484	0.730		1.375	1.525	.112-40 UNC-3A	.164-32 UNC-3A
	3	1.250	0.750	0.250	0.427	0.605		1.375	1.837		.164-32 UNC-3A

TABLE LVIII - MS DASH NUMBER

MS91528-2F2B5					
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	TACTILE FORM	
1 F - ROUND DIAL SKIRT WITH WHITE ARROW	O - ROUND DIAL SKIRT WITH BACKLIGHTED WHITE ARROW	1 - 1/8" ROUND	B - BLACK	1 - FORM 1	
2 G - ROUND DIAL SKIRT, NO ARROW	Q - ROUND DIAL SKIRT WITH FLUORESCENT ARROW	2 - 1/4" ROUND	G - GRAY	2 - FORM 2	
3 H - ROUND DIAL SKIRT WITH SLOT	OO - ROUND DIAL SKIRT WITH PHOSPHORESCENT ARROW	3 - 1/8" "D" FLAT	R - RED	3 - FORM 3	
		4 - 1/4" "D" FLAT		4 - FORM 4	
				5 - FORM 5	
				6 - FORM 6	

## NOTES:

- FOR TACTILE FORM DIMENSIONS, SEE SHEET 33.
- STYLE O ARROW-BACKLIGHTED SHALL BE IN ACCORDANCE WITH MIL-P-7788. STYLE Q AND OO KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
- FOR GENERAL NOTES SEE SHEET 47.

P.A. Other Cont	EC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCURMENT SPECIFICATION MIL-K-3926	SUPERSEDES:		SHEET 32 OF 47

COORDINATED

User activities:  
Army - MJ, AT, AV, EA, ME  
Navy - CG, OSReview activities:  
Army - MJ, AT, AV, EA, ME  
Navy - MC, AS  
DLA - 15

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APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42



User activities:  
Army - CG, DS  
Navy - CG, DS

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

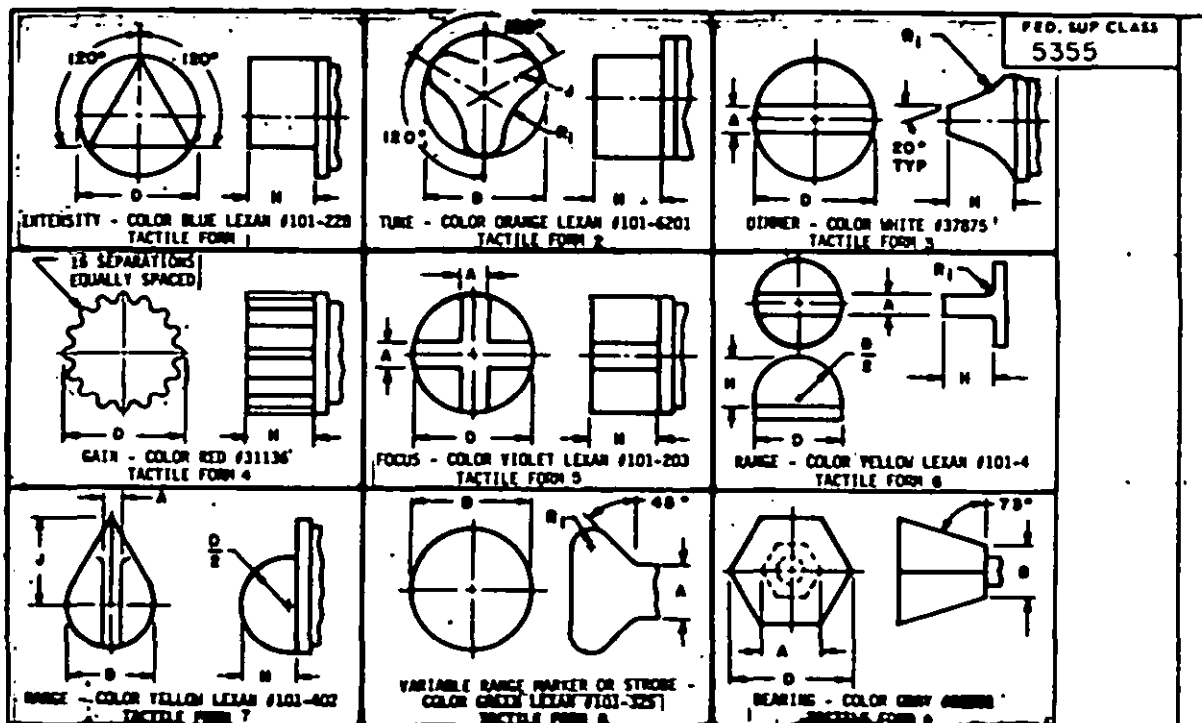


FIGURE 1

#### NOTES:

1. COLORS SHALL BE IN ACCORDANCE WITH FED-STD-595 EXCEPT AS NOTED. THE LEXAN DESIGNATION INDICATES A COLOR IN ACCORDANCE WITH COLOR CHIPS. COLOR CHIPS MAY BE OBTAINED FROM THE NAVAL ELECTRONIC SYSTEMS COMMAND, WASHINGTON, D.C. 20360.
2. TOLERANCES ARE  $\pm 2^\circ$  ON ANGLES.
3. TACTILE FORM NO. AND KNOB STYLE SHOWN IN PARENTHESES INDICATE SLIP-CLUTCH KNOBS.
4. FOR GENERAL NOTES SEE PAGE 47.

TABLE LIX-TACTILE FORMS

TACTILE FORM NO.	USED ON KNOB STYLE	APPLI- CABLE TO KNOB SIZE	DIMENSIONS					
			A $\pm 0.010$	B $\pm 0.010$	D $\pm 0.020$	H $\pm 0.025$	J $\pm 0.025$	R1 $\pm 0.025$
1 (1A)	D, F, N, G, H, O, Q, OO (CP, CH, CY, CZ, DA, DB, DC, DE, DF, DG, DH, DI)	1			0.630	0.345		
		2			0.812	0.438		
		3			1.156	0.625		
2 (2A)		1			0.630	0.345	0.158	0.129
		2			0.812	0.438	0.203	0.472
		3			1.156	0.625	0.281	0.605
3 (3A)		1	0.136		0.630	0.345		0.390
		2	0.175		0.812	0.438		0.500
		3	0.250		1.156	0.625		0.719
4 (4A)	P, K	1			0.630	0.390		
		2			0.812	0.500		
		3			1.156	0.690		
5 (5A)		1	0.166		0.630	0.345		
		2	0.213		0.812	0.438		
		3	0.302		1.156	0.625		
6 (6A)	S, SC, SD, SE, SF, SG, SH	1	0.162		0.630	0.345		0.070
		2	0.188		0.812	0.438		0.125
7		1	0.162		0.630	0.345	0.630	
		2	0.188		0.812	0.438	0.812	
8		3	0.400		0.860			0.125
		4	0.560		1.187			0.188
		5	0.560		1.187			0.188
9	S, SC, SD, SE, SF, SG, SH	3	0.400	0.350	0.860			
		4	0.560	0.484	1.187			
		5	0.560	0.484	1.187			

P.A. EC Other Cont. 52 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-A-3926	SUPERSEDES	SHEET 33 OF 47

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 7 DEC 1955 REVISION 1 For changes see sheets 15, 16, 29, 37, and 47

This military standard is approved for use by all Departments & Agencies of the Department of Defense. Retention for all engineering and design applications and for reutilization shall be made from this document.

FED. SUP CLASS  
5355User activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

## REQUIREMENTS: FOR SHEETS 30 THRU 33

DASH NO.	TESTS MIL-K-3926	EXTENT OF APPROVAL
1F2B4	TABLE II GROUPS I, II, III, IV AND V	ALL
3H2B5	TABLE II GROUPS I, II, III, IV AND V	ALL

IF PART NUMBER SPECIFIED IS NOT MANUFACTURED, REQUEST  
ALTERNATE NUMBER FROM GOVERNMENT.

This military standard is approved for use by all Departments  
of Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for repetitive use shall  
be made from this document, when applicable.

P.A. Other Cost	EC ER II	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS 91528</b>
PROCUREMENT SPECIFICATION MIL-K-3926		SUPERSEDES.	SHEET 34 OF 42

DD FORM 672-1 (Coordinated)  
1 MAR 72

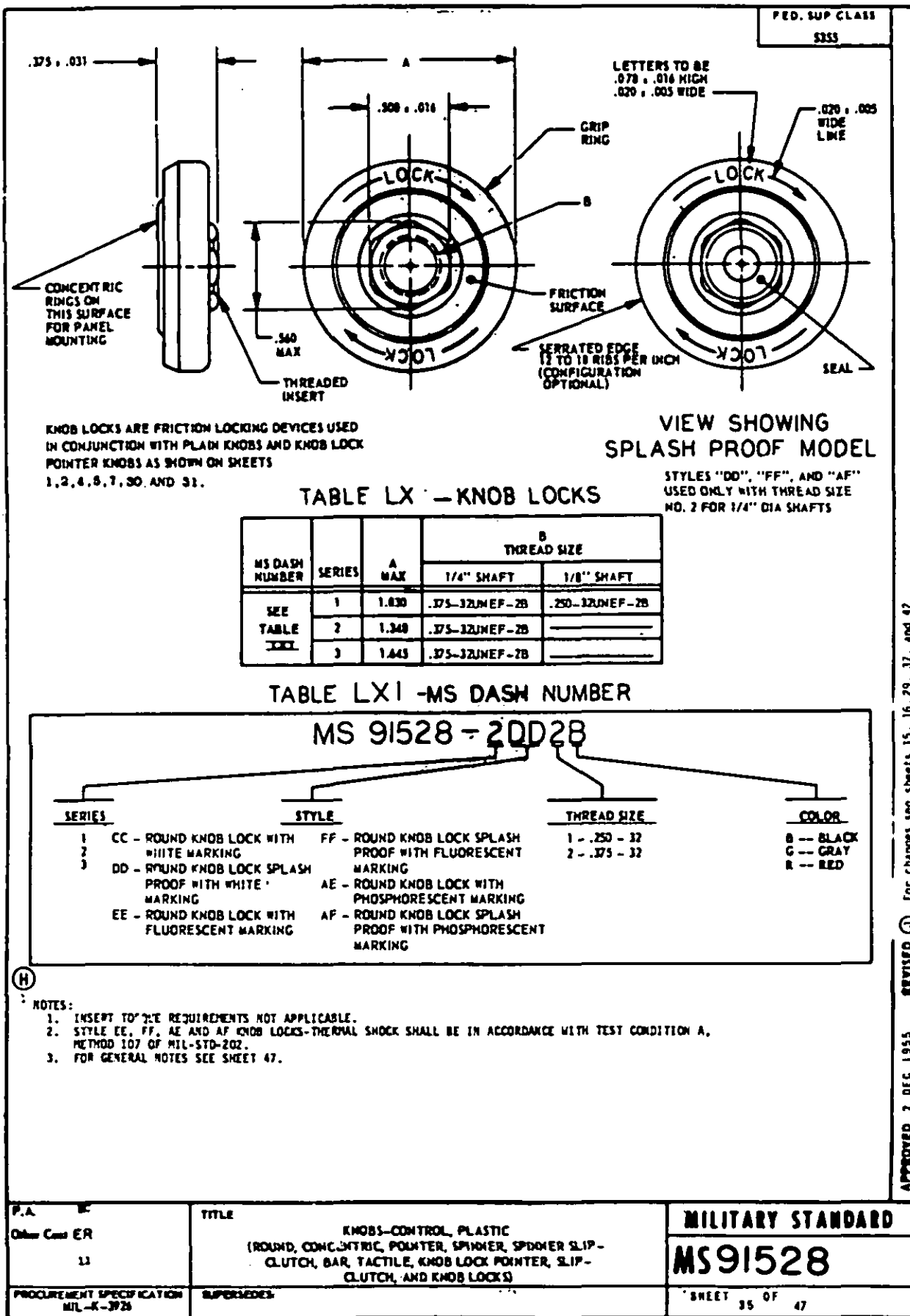
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

User activities:  
May - CG, OS

Review activities:  
Army - MI, AT, AY, EA, ME  
Navy - MC, AS  
DLA - 15

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FED. SUP CLASS  
5355Other activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, HE  
Navy - MC, AS  
DLA - IS

REQUIREMENTS: FOR SHEET 35		
DASH NO.	TESTS MIL-K-3926	EXTENT OF APPROVAL
ICC2B	TABLE II GROUPS I, II, III, IV AND V	ALL
2AE2B MATED WITH 2N2B OR 2AA2B	TABLE II GROUPS I, II, III, IV AND V  THERMAL SHOCK TEST SHALL BE IN ACCORDANCE WITH MS SPECI- FICATION NOTE 2 (PAGE 35) WHILE MATED WITH KNOB.	ALL

IF PART NUMBER SPECIFIED IS NOT MANUFACTURED, REQUEST  
ALTERNATE NUMBER FROM GOVERNMENT.

This military standard is approved for use by all Departments  
in Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for replacement use shall  
be made from this document, when applicable.

P.A. EC Other Cust ER II	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 36 OF 47

DD FORM 672-1 (Coordinated)  
MAR 77

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 2 DEC 1955 REVISED ③ For changes see sheets 15, 16, 29, 37, and 42

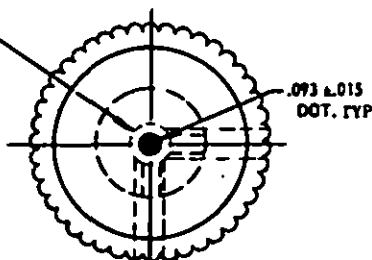
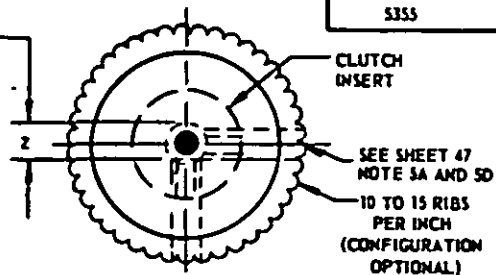
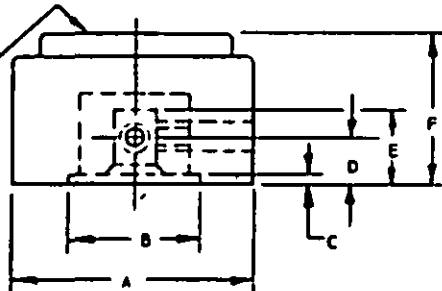
FED. SUP CLASS  
5355Y DIA  
SEE TABLE  
LXXIXTOP VIEW SHOWING  
ROUND SHAFT HOLESEE TABLE  
LXXIXTOP VIEW SHOWING "D"  
FLAT SHAFT HOLECAP SHAPE  
OPTIONAL

TABLE LXII - ROUND SLIP-CLUTCH KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	MUT CLEARANCE		D" MAX	SHAFT HOLE DEPTH E MIN	F ±0.030	SETSCREWS (UNC-3A) (2 REQ'D)			CLUTCH SLIP TORQUE INCH - OUNCES
			B MIN	C MIN				5/64 SHAFT HOLE	1/8 AND 5/32 SHAFT HOLE	1/4 SHAFT HOLE	
SEE TABLE LXIII	0	0.510	0.359	0.026	0.158	0.405	0.510	.086-56	.112-40		8 to 16
	1	0.715	0.485	0.026	0.187	0.405	0.610	—	.112-40	.112-40	12 to 24
	2	0.915	0.640	0.114	0.270	0.520	0.790	—	.112-40	.112-40	20 to 36
	3	1.250	0.758	0.114	0.280	0.455	0.848	—	—	.164-.72	28 to 56
	4	1.750	0.750	0.114	0.280	0.520	0.840	—	—	.164-.32	42 to 84
	5	2.250	0.750	0.114	0.280	0.520	0.875	—	—	.164-.32	64 to 124

TABLE LXIII- MS DASH NUMBERS

MS91528 - 2 AG 2 B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	AG - ROUND WITH WHITE DOT	1 - 1/8" ROUND	B - BLACK
1	AH - ROUND WITH	2 - 1/4" ROUND	G - GRAY
2	FLUORESCENT DOT	3 - 1/8" "D" FLAT	R - RED
3	AI - ROUND WITH	4 - 1/4" "D" FLAT	
4	PHOSPHORESCENT DOT	5 - 5/64" ROUND	
5		6 - 5/32" ROUND	
		7 - 5/64" "D" FLAT	
		8 - 5/32" "D" FLAT	

## NOTES:

1. STYLE AH AND AI KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A METHOD 107 OF MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

NEW SHEET ADDED

P.A. EC Other Code ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3726	SUPSEDES	SHEET 37 OF 47

DD FORM 672-1 (Coordinated)

FOR FORMS EDITING OF THIS FORM AND COVER SHEET.

User activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME,  
Navy - MC, AS  
DLA - ISThis military standard is approved for use by all Departments  
of the Department of Defense. Selection for all new  
engineering and design applications and for repeating use shall  
be made from this document.

APPROVED 2 DEC 1955 REVISED ② For changes see sheets 15, 16, 29, 37, and 47

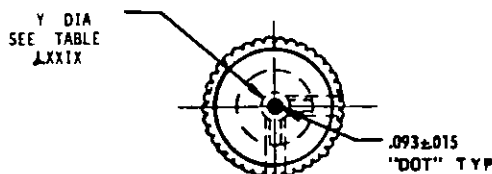
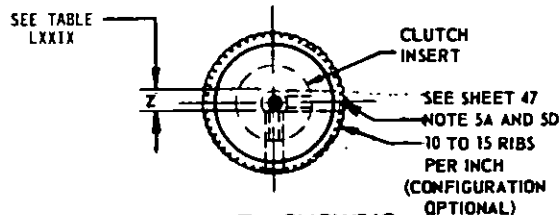
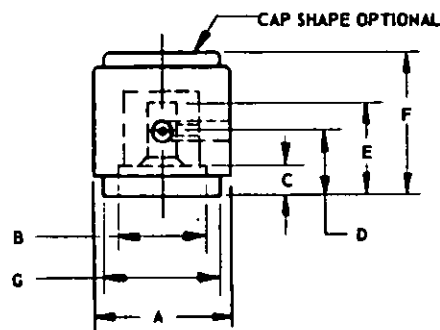
PED. SUP CLASS  
5355TOP VIEW SHOWING  
ROUND SHAFT HOLETOP VIEW SHOWING  
"D" FLAT SHAFT HOLE

TABLE LXIV ROUND RING SKIRT SLIP-CLUTCH KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ±0.030	G MAX	SET SCREWS (UNC-3A) (2 REQ'D)			CLUTCH SLIP TORQUE INCH-OUNCES
			B MIN	C MIN					5/64 SHAFT HOLE	1/8 AND 5/32 SHAFT HOLE	1/4 SHAFT HOLE	
SEE TABLE LXV	0	0.510	0.800	0.177	0.325	0.560	0.455	0.468	.086-56	.112-40		8 TO 16
	1	0.715	0.485	0.188	0.369	0.568	0.782	0.495	—	.112-40	.112-40	12 TO 24
	2	0.915	0.440	0.320	0.484	0.730	1.010	0.845	—	.112-40	.112-40	28 TO 36
	3	1.250	0.750	0.320	0.440	0.605	1.040	1.185	—	—	.164-32	28 TO 36
	4	1.750	0.750	0.320	0.500	0.740	1.070	1.490	—	—	.164-32	42 TO 84
	5	2.250	0.750	0.320	0.500	0.740	1.095	2.185	—	—	.164-32	44 TO 124

TABLE LXV MS DASH NUMBERS

MS91528-2 CH 2 B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	CH - SKIRTED ROUND WITH WHITE DOT	1 - 1/8" ROUND	B - BLACK
1	CI - SKIRTED ROUND WITH FLUORESCENT DOT	2 - 1/4" ROUND	G - GRAY
2		3 - 1/8" "D" FLAT	R - RED
3	CJ - SKIRTED ROUND WITH PHOSPHORESCENT DOT	4 - 1/4" "D" FLAT	
4		5 - 5/64" ROUND	
5		6 - 5/32" ROUND	
		7 - 5/64" "D" FLAT	
		8 - 5/32" "D" FLAT	

## NOTES:

1. STYLE CI AND CJ KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 PER MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

## NEW SHEET ADDED

P.A. Order Cost 11	EC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 38 OF 47	

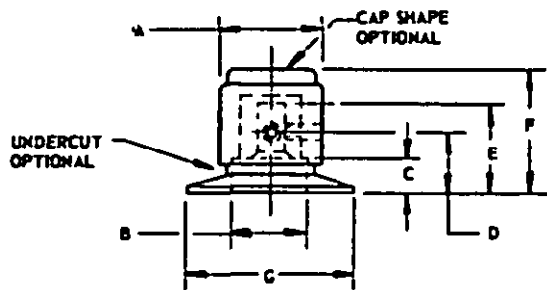
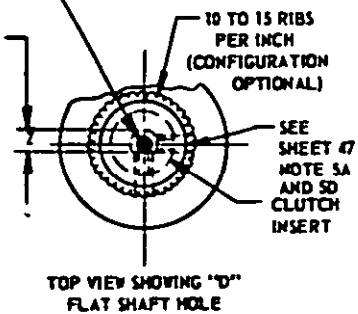
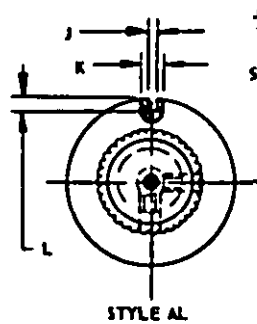
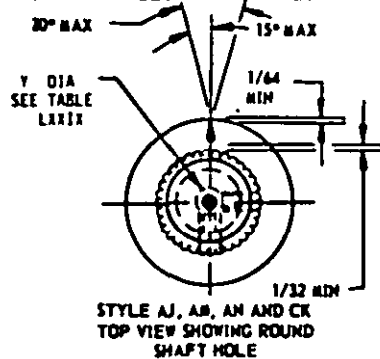
DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

User activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME,  
Navy - MC, AS  
DLA - ISThis military standard is approved for use by all Departments  
and Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for repetitive use shall  
be made from this document.

REVISED ① For changes see sheets 15, 16, 29, 37, and 42

APPROVED 2 DEC 1955

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5355

KNOB SERIES	DIMENSIONS		
	J ±0.010	K ±0.010	L ±0.010
0	0.063	0.188	0.125
1	0.063	0.188	0.125
2	0.063	0.188	0.218
3	0.063	0.188	0.218
4	—	—	—
5	—	—	—

TABLE LXVI - ROUND DIAL SKIRT SLIP - CLUTCH KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ±0.000	G MAX	SET SCREWS (UNC-3A) (2 REQ'D)			CLUTCH SLIP TORQUE INCH - OUNCES
			B MIN	C MIN					5/64 SHAFT HOLE	1/8 AND 5/32 SHAFT HOLE	1/4 SHAFT HOLE	
SEE TABLE LXVII	0	0.510	0.300	0.050	0.325	0.560	0.665	0.900	.085-56	.112-40	—	8 TO 16
	1	0.715	0.485	0.050	0.369	0.568	0.800	1.150	—	.112-40	.112-40	12 TO 24
	2	0.915	0.590	0.320	0.484	0.730	1.010	1.525	—	.112-40	.112-40	20 TO 36
	3	1.250	0.750	0.250	0.440	0.605	1.040	1.837	—	—	.164-32	28 TO 56
	4	1.750	0.750	0.320	0.500	0.740	1.070	2.468	—	—	.164-32	42 TO 84
	5	2.250	0.750	0.320	0.500	0.740	1.095	3.020	—	—	.164-32	64 TO 124

TABLE LXVII - MS DASH NUMBER

MS 91528 - 2 AJ 2 B			
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR
0	AJ - SKIRT WHITE ARROW, KNOB WHITE DOT	1 - 1/8" ROUND	B - BLACK
1	AK - SKIRT NO ARROW, KNOB WHITE DOT	2 - 1/4" ROUND	G - GRAY
2	AL - SKIRT WITH SLOT, KNOB WHITE DOT	3 - 1/8" "D" FLAT	R - RED
3	AM - SKIRT BACKLIGHTED, WHITE ARROW, KNOB OPAQUE WHITE DOT	4 - 1/4" "D" FLAT	
4	AN - SKIRT FLUORESCENT ARROW, KNOB FLUORESCENT DOT	5 - 5/64" ROUND	
5	CK - SKIRT PHOSPHORESCENT ARROW, KNOB PHOSPHORESCENT DOT	6 - 5/32" ROUND	
		7 - 5/64" "D" FLAT	
		8 - 5/32" "D" FLAT	

## NOTES:

1. STYLE AM ARROW BACKLIGHTED SHALL BE IN ACCORDANCE WITH MIL-P-7788.
2. FOR GENERAL NOTES SEE SHEET 47.

NEW SHEET ADDED

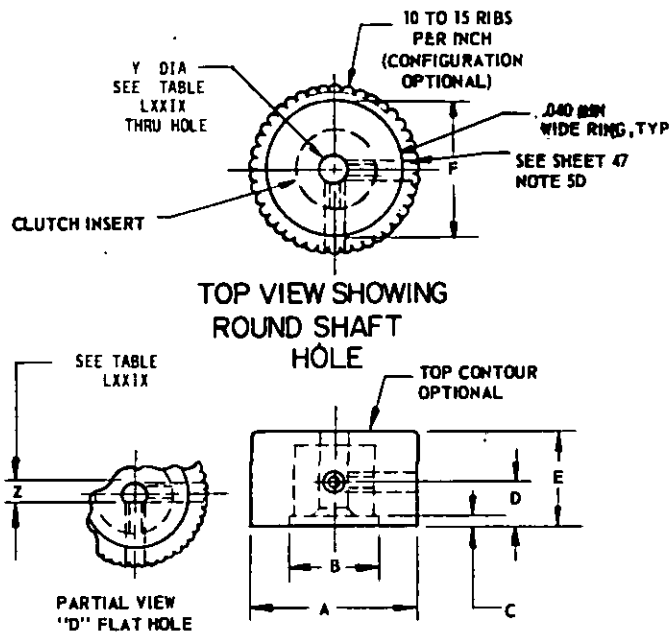
P.A. Other Code 11	EC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-19726	SUPERSEDES		SHEET 39 OF 47

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Use authorized  
Army - CG, OS  
Navy - CG, OSReview authorized:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - ISThis military standard is approved for use by all Departments  
& Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for replacement use shall  
be made from this document.

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

FED. SUP CLASS  
5355

CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS: AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER KNOBS DETAILED ON SHEETS 1, 2, 30, 31, 37, 38, 44 AND 45. ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY, ETC.

TABLE LXVIII-ROUND CONCENTRIC SLIP-CLUTCH KNOBS

MS DASH NUMBER	SERIES	A .0030 -0.010	NUT CLEARANCE		D MAX	E ±0.025	F ±1/64 RING OD	SET SCREWS (UNC-3A) (2 REQ'D)		CLUTCH SLIP TORQUE INCH- OUNCES
			B MIN	C MIN				5/32 SHAFT HOLE	1/4 SHAFT HOLE	
SEE TABLE LXIX	1	0.715	0.485	0.026	0.187	0.510	5/8	.112-40	.112-40	12 TO 24
	2	0.915	0.640	0.114	0.270	0.655	25/32	.112-40	.112-40	20 TO 36
	3	1.250	0.750	0.114	0.280	0.715	1-1/8	—	.164-32	28 TO 56
	4	1.750	0.750	0.114	0.280	0.660	1-5/8	—	.164-32	42 TO 84
	5	2.250	0.750	0.114	0.280	0.660	2-1/8	—	.164-32	64 TO 124

TABLE LXIX-MS DASH NUMBER

MS91528 - 2 CL 2 B C				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	KNOB FORM
1	CL - ROUND WITH WHITE RING	2 - 1/4" ROUND	B - BLACK	C - CONCENTRIC
2	CM - ROUND WITH FLUORESCENT RING	4 - 1/4" "0" FLAT	G - GRAY	
3	CM - ROUND WITH PHOSPHORESCENT RING	6 - 5/32" ROUND	R - RED	
4		8 - 5/32" "0" FLAT		
5				

## NOTES:

1. STYLE CM AND CM KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 PER MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

## NEW SHEET ADDED

P.A.	EC	TITLE		MILITARY STANDARD
Other Cont	ER	KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)		MS91528
PROCUREMENT SPECIFICATION MIL-K-3926		SUPERSEDES.		SHEET 40 OF 47

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

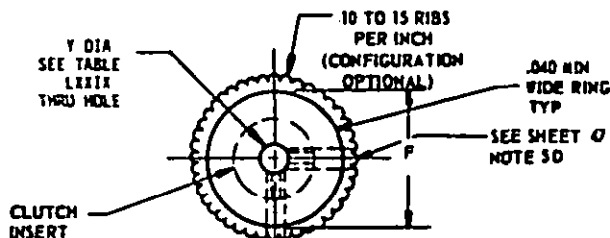
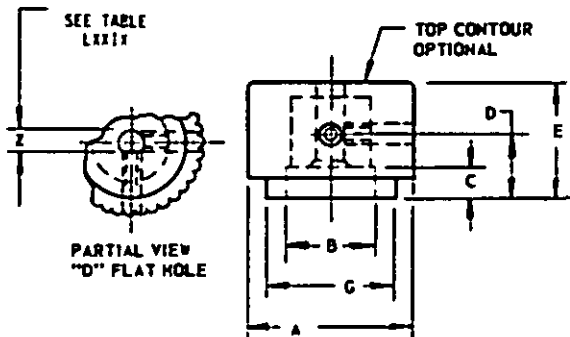
User activities:  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

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FED. SUP CLASS  
5355TOP VIEW SHOWING  
ROUND SHAFT HOLE

CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS: AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER KNOBS DETAILED ON SHEETS 1, 2, 30, 31, 37, 38, 44 AND 45. ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY, ETC.

TABLE LXX - ROUND CONCENTRIC RING SKIRT SLIP-CLUTCH KNOB

MS DASH NUMBER	SERIES	A -.030 -.010	NUT CLEARANCE		D MAX	E -.025	F 1/64 RING OD	G MAX	SET SCREWS (2 REQ'D) (UNIC-3A)		CLUTCH SLIP TORQUE INCH-OUNCES
			B MIN	C MIN					5/32 SHAFT HOLE	1/4 SHAFT HOLE	
SEE TABLE LXXI	1	0.715	0.485	0.188	0.369	0.675	5/8	0.695	.112-40	.112-40	12 TO 24
	2	0.915	0.640	0.320	0.484	0.885	25 32	0.845	.112-40	.112-40	20 TO 36
	3	1.250	0.750	0.250	0.440	0.885	1-1/8	1.185	—	.164-32	28 TO 56
	4	1.750	0.750	0.320	0.500	0.885	1-5/8	1.690	—	.164-32	42 TO 84
	5	2.250	0.750	0.320	0.500	0.835	2-1/8	2.185	—	.164-32	64 TO 124

TABLE LXXI- MS DASH NUMBERS

MS91528 - 2 CP 2 B C				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	KNOB FORM
1	CO - SKIRTED ROUND WITH WHITE RING	2 - 1/4" ROUND	B - BLACK	C - CONCENTRIC
2	CP - SKIRTED ROUND WITH FLUORESCENT RING	4 - 1/4" "D" FLAT	G - GRAY	
3	CR - SKIRTED ROUND WITH PHOSPHORESCENT RING	6 - 5/32" ROUND	R - RED	
4		8 - 5/32" "D" FLAT		
5				

## NOTES:

1. STYLE CP AND CR KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107, PER MIL-STD-202.
2. FOR GENERAL NOTES SEE SHEET 47.

## NEW SHEET ADDED

P.A. Other Cont 11	EC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-39726	SUPERSEDES.	SHEET 41 OF 47	

User activities:  
Navy - CG, GSReview activities:  
Army - MI, AT, AV, EA, MB  
Navy - MC, AS  
DLA - IS

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For changes see sheets 15, 16, 17, 37, and 42

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REQUIREMENTS: FOR SHEETS 37 THRU 41		
DASH NO.	TESTS MIL-K-3926	EXTENT OF APPROVAL
1AJ2G 5CH2B 2AR2G	TABLE II GROUPS I, II, III, IV, V, VI AND VII	ALL

①

IF PART NUMBER SPECIFIED IS NOT MANUFACTURED, REQUEST ALTERNATE NUMBER FROM GOVERNMENT.

User activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

APPROVED 2 DEC 1955 REVISED ② For changes see sheets 15, 16, 29, 37, and 42

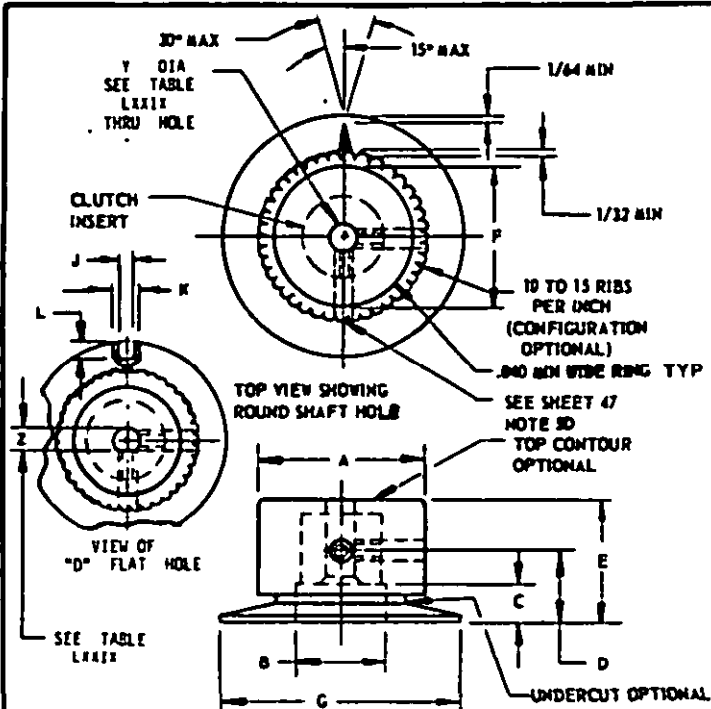
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engineering and design applications and for repetitive use shall  
be made from this document.

NEW SHEET ADDED

P.A. Other Cust	EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3926		SUPERSEDES:	SHEET 42 OF 47

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1 MAR 72

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CONCENTRIC KNOBS CONSIST OF TWO SEPARATE PARTS: AN UPPER KNOB FOR THE INNER CONTROL SHAFT AND A LOWER KNOB FOR THE OUTER CONTROL SHAFT. EACH IS IDENTIFIED BY ITS OWN MS DASH NUMBER AND EACH MUST BE SPECIFIED AND ORDERED SEPARATELY. ONLY LOWER KNOBS FOR OUTER CONTROL SHAFTS ARE DETAILED ON THIS SHEET. UPPER KNOBS FOR INNER CONTROL SHAFTS SHOULD BE SPECIFIED AND SELECTED FROM AMONG THE 1/8 INCH SHAFT HOLE DIAMETER KNOBS DETAILED ON SHEETS 1, 2, 30, 31, 37, 38, 44 AND 45. ORDINARILY, SERIES 0 UPPER KNOBS ARE USED WITH SERIES 1 CONCENTRIC LOWER KNOBS; SIMILARLY, SERIES 1 AND SERIES 2 UPPER KNOBS ARE USED WITH SERIES 2 AND SERIES 3 CONCENTRIC LOWER KNOBS RESPECTIVELY, ETC.

KNOB SERIES	DIMENSIONS		
	J ±0.010	K ±0.010	L ±0.010
1	0.063	0.168	0.125
2	0.063	0.168	0.218
3	0.063	0.168	0.218
4	—	—	—
5	—	—	—

TABLE LXXII - ROUND CONCENTRIC DIAL SKIRT SLIP-CLUTCH KNOB

MS DASH NUMBER	SERIES	A -0.030 -0.010	NUT CLEARANCE		D MAX	E -0.025	F 1/64 RING OD	G MAX	SET SCREWS (2 REQ'D) (UNC-3A)		CLUTCH SLIP TORQUE
			B MIN	C MIN					5/32 SHAFT HOLE	1/4 SHAFT HOLE	INCH- OUNCES
SEE TABLE LXXIII	1	0.715	0.485	0.050	0.369	0.690	5/8	1.150	.112-40	.112-40	12 TO 24
	2	0.915	0.590	0.320	0.484	0.885	25/32	1.525	.112-40	.112-40	20 TO 36
	3	1.250	0.750	0.250	0.440	0.885	1-1/8	1.837	—	.164-32	28 TO 56
	4	1.750	0.750	0.320	0.500	0.885	1-5/8	2.448	—	.164-32	42 TO 84
	5	2.250	0.750	0.320	0.500	0.885	2-1/8	3.020	—	.164-32	64 TO 124

TABLE LXXIII-MSDASH NUMBER

MS91528 - 2 CS 2 B C				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	KNOB FORM
1	CS - SKIRT WHITE ARROW	2 - 1/4" ROUND	B - BLACK	C - CONCENTRIC
2	KNOB WHITE RING	4 - 1/4" "D" FLAT	G - GRAY	
3	CY - SKIRT FLUORESCENT ARROW	6 - 5/32" ROUND	R - RED	
4	KNOB FLUORESCENT RING	8 - 5/32" "D" FLAT		
5	CU - SKIRT BACKLIGHTED WHITE ARROW,			
	KNOB OPAQUE WHITE RING			
	CY - SKIRT PHOSPHORESCENT ARROW,			
	KNOB PHOSPHORESCENT RING			
	OK - SKIRT WITH SLOT,			
	KNOB WHITE RING			
	DL - SKIRT NO ARROW,			
	KNOB WHITE RING			

## NOTES:

1. STYLE CT AND CY KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A METHOD 107 OF MIL-STD-202. STYLE CU ARROW-BACKLIGHTED SHALL BE IN ACCORDANCE WITH MIL-P-7768.
2. FOR GENERAL NOTES SEE SHEET 47.

NEW SHEET ADDED

P.A. Other Cont 11	EC ER	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES.	SHEET 43 OF 47	

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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

Review activities:  
Army - MI, AT, AV, RA, BR,  
Navy - MC, AS  
DLA - IS

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& Agencies of the Department of Defense. Selection for all new  
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be made from this document.

APPROVED 2 DEC 1955  
REVISED ① For changes see sheets 15, 16, 29, 37, and 42

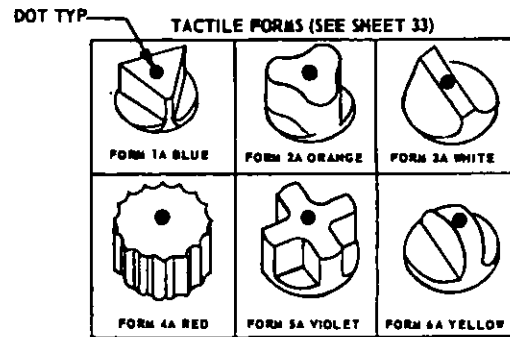
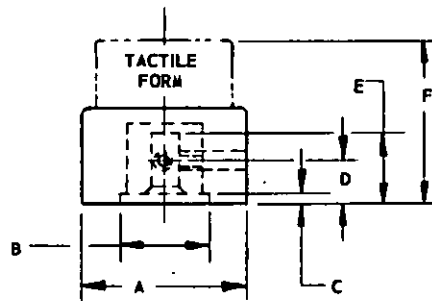
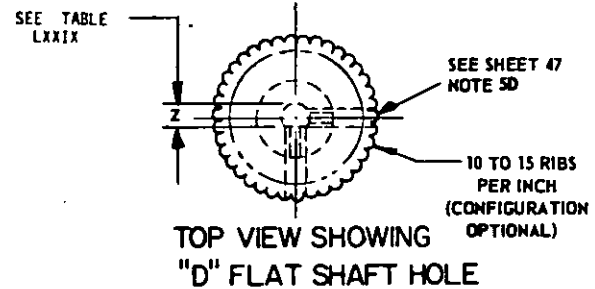
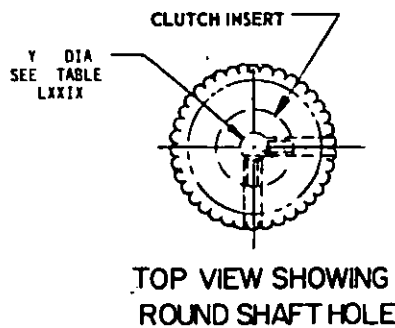
FED. SUP CLASS  
5355

TABLE LXXIV-ROUND TACTILE SLIP-CLUTCH KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ±0.050	SET SCREWS (2 REQ'D)		CLUTCH SLIP TORQUE INCH- OUNCES
			B MIN	C MIN				1/8 AND 5/32 SHAFT HOLE	1/4 SHAFT HOLE	
SEE TABLE LXXV	1	0.715	0.485	0.026	0.187	0.405	0.906	.112-40UNC-3A	.112-40UNC-3A	12 TO 24
	2	0.915	0.640	0.114	0.270	0.520	1.156	.112-40UNC-3A	.112-40UNC-3A	20 TO 36
	3	1.250	0.750	0.114	0.280	0.455	1.400	—	.164-32UNC-3A	28 TO 56

TABLE LXXV-MS DASH NUMBER

MS91528 - 2 CW 2 B 5A				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	TACTILE FORM
1	CW - TACTILE WITH WHITE DOT	1 - 1/8" ROUND	B - BLACK	1A
2	CX - TACTILE WITH FLUORESCENT DOT	2 - 1/4" ROUND	G - GRAY	2A
3	CY - TACTILE WITH PHOSPHORESCENT DOT	3 - 1/8" "D" FLAT	R - RED	3A
		4 - 1/4" "D" FLAT		4A
		6 - 5/32" ROUND		5A
		8 - 5/32" "D" FLAT		6A

## NOTES:

- FOR TACTILE FORM DIMENSIONS SEE SHEET 33.
- FOR GENERAL NOTES SEE SHEET 47.

## NEW SHEET ADDED

P.A. EC Other Cust ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 44 OF 47

APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 42

User activities:  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, ME  
Navy - MC, AS  
DLA - IS

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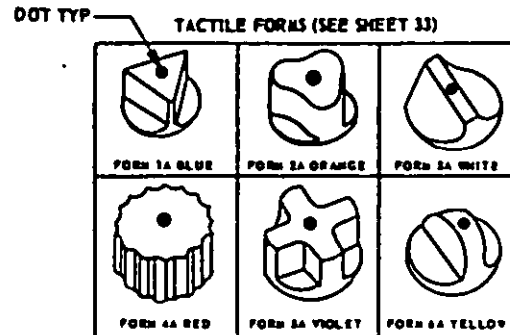
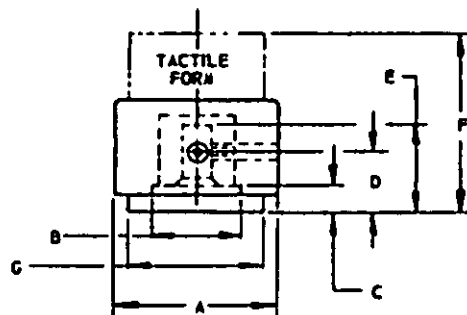
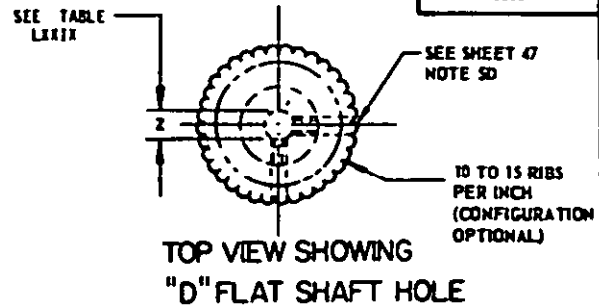
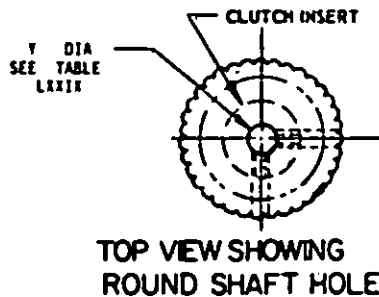
FED. SUP CLASS  
5355

TABLE LXXVI - ROUND RING SKIRT TACTILE SLIP - CLUTCH KNOBS

MS DASH NUMBER	SERIES	A -0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH		F ±0.050	G MAX	SET SCREWS (2 REQ'D)		CLUTCH SLIP TORQUE  INCH- OUNCES
			B MIN	C MIN		E MIN	1/8 AND 5/32 SHAFT HOLE			1/4" SHAFT HOLE		
SEE TABLE LXXVII	1	0.715	0.485	0.188	0.369	0.568	1.075	0.695	.112-40UNC-3A	.112-40UNC-3A	12 TO 24	
	2	0.915	0.640	0.320	0.484	0.730	1.375	0.845	.112-40UNC-3A	.112-40UNC-3A	20 TO 36	
	3	1.250	0.750	0.250	0.440	0.605	1.575	1.185	--	.164-32UNC-3A	28 TO 56	

TABLE LXXVII - MS DASH NUMBER

MS91528 - 2 CZ 2 B 5A				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	TACTILE FORM
1	CZ - TACTILE WITH WHITE DOT	1 - 1/8" ROUND	B - BLACK	1A
2		2 - 1/4" ROUND	G - GRAY	2A
3	DA - TACTILE WITH FLUORESCENT DOT	3 - 1/8" "D" FLAT	R - RED	3A
	DB - TACTILE WITH PHOSPHORESCENT DOT	4 - 1/4" "D" FLAT		4A
		6 - 5/32" ROUND		5A
		8 - 5/32" "D" FLAT		6A

## NOTES:

- FOR TACTILE CAP DIMENSIONS SEE SHEET 33.
- FOR GENERAL NOTES SEE SHEET 47.

## NEW SHEET ADDED

P.A. Other Conf EC ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP- CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP- CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD <b>MS91528</b>
PROCUREMENT SPECIFICATION MIL-K-3928	SUPERSEDES	SHEET 45 OF 47

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Use activities:  
Navy - CG, OS

Review activities:  
Army - MI, AT, AV, EA, MB,  
Navy - MC, AS  
DLA - IS

This military standard is approved for use by all Departments  
of the Department of Defense. Selection for all use  
engineering and design applications and for repetitive use shall  
be made from this document.

APPROVED 2 DEC 1955 REVISED ③ For changes see sheets 15, 16, 29, 37, and 47

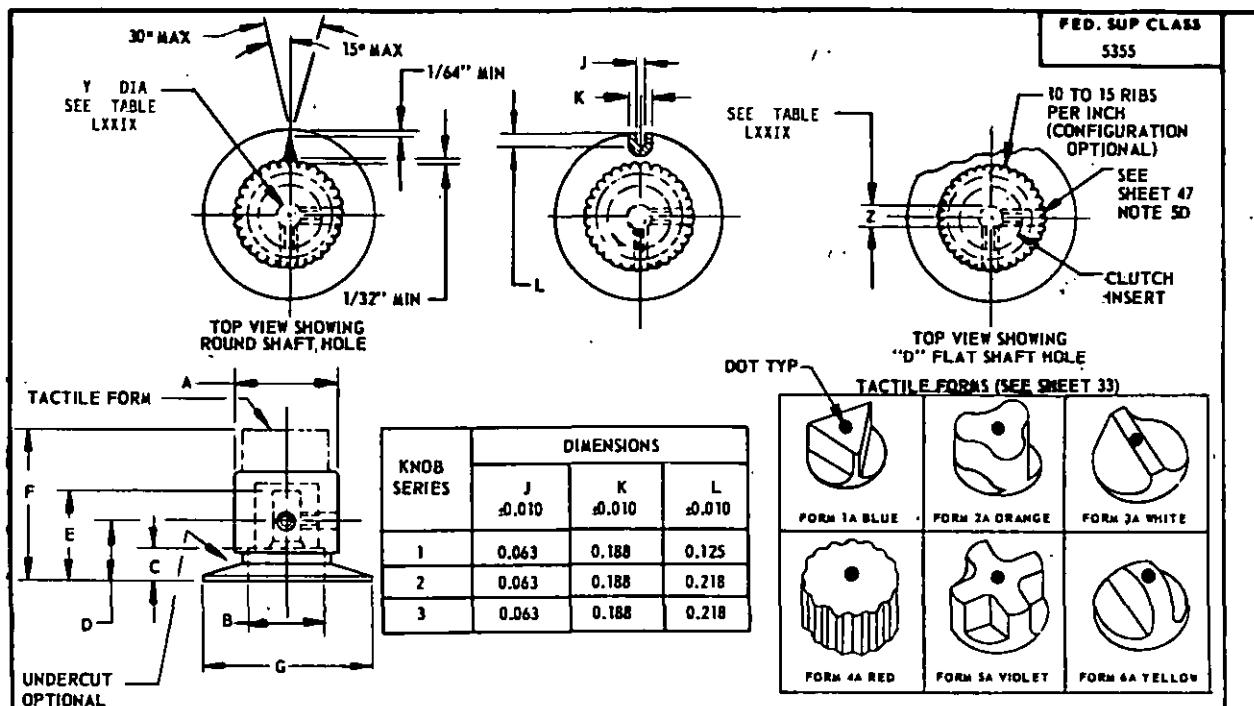
User activities:  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME,  
Navy - MC, AS  
DLA - ISThis military standard is approved for use by all Departments  
& Agencies of the Department of Defense. Selection for all use  
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TABLE LXXVIII - ROUND DIAL SKIRT TACTILE SLIP-CLUTCH KNOBS

MS DASH NUMBER	SERIES	A +0.030 -0.010	NUT CLEARANCE		D MAX	SHAFT HOLE DEPTH E MIN	F ±0.050	G MAX	SET SCREWS (2 REQ'D)		CLUTCH SLIP TORQUE INCH-OUNCES
			B MIN	C MIN					1/8 AND 5/32 SHAFT HOLE	1/4" SHAFT HOLE	
SEE TABLE LXXIX	1	0.715	0.485	0.050	0.369	0.568	1.093	1.150	.112-40UNC-3A	.112-40UNC-3A	12 TO 24
	2	0.915	0.590	0.320	0.484	0.730	1.375	1.525	.112-40UNC-3A	.112-40UNC-3A	20 TO 36
	3	1.250	0.750	0.250	0.440	0.605	1.575	1.837	--	.164-32UNC-3A	28 TO 56

TABLE LXXIX - MS DASH NUMBER

MS91528 - 2 DC 2 B 5A				
SERIES	STYLE	SHAFT HOLE DIAMETER	COLOR	TACTILE FORM
1	DC - SKIRT WHITE ARROW, TACTILE WHITE DOT	1 - 1/8" ROUND	B - BLACK	1A
2	DE - SKIRT NO ARROW, TACTILE WHITE DOT	2 - 1/4" ROUND	G - GRAY	2A
3	DF - SKIRT WITH SLOT, TACTILE WHITE DOT	3 - 1/8" "D" FLAT	R - RED	3A
	DG - SKIRT BACKLIGHTED WHITE ARROW, TACTILE OPAQUE WHITE DOT	4 - 1/4" "D" FLAT		4A
	DH - SKIRT FLUORESCENT ARROW, TACTILE FLUORESCENT DOT	6 - 5/32" ROUND		5A
	DI - SKIRT PHOSPHORESCENT ARROW, TACTILE PHOSPHORESCENT DOT	8 - 5/32" "D" FLAT		6A

## NOTES:

1. STYLE DG ARROW-BACKLIGHTED SHALL BE IN ACCORDANCE WITH MIL-P-7788.
2. STYLE DH AND DI KNOBS-THERMAL SHOCK SHALL BE IN ACCORDANCE WITH TEST CONDITION A, METHOD 107 OF MIL-STD-202.
3. FOR TACTILE FORM DIMENSIONS SEE SHEET 33.
4. FOR GENERAL NOTES SEE SHEET 47.

## NEW SHEET ADDED

P.A. EC Other Cust ER 11	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPERSEDES:	SHEET 46 OF 47

DD FORM 672-1 (Coordinated)

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APPROVED 2 DEC 1955 REVISED ① For changes see sheets 15, 16, 29, 37, and 47

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REQUIREMENTS: FOR SHEETS 43 THRU 46		
DASH NO.	TESTS, MIL-K-3926	EXTENT OF APPROVAL
1DC2B4A 3DP7B3A	TABLE II GROUPS I, II, III, IV, V, VI AND VII	ALL

IF PART NUMBER SPECIFIED IS NOT MANUFACTURED, REQUEST ALTERNATE NUMBER FROM GOVERNMENT.

TABLE LXIII - SHAFT HOLE DIMENSIONS FOR SHAFT SIZES.

SHAFT SIZE	SHAFT DIA	"D" FLAT
	"Y" +0.002 -0.000	"Z" +0.005 -0.000
5/64"	0.080	0.069
1/8"	0.127	0.107
5/32"	0.158	0.129
1/4"	0.252	0.222

User activities:  
Army - CG, OS  
Navy - CG, OSReview activities:  
Army - MI, AT, AV, EA, ME,  
Navy - MC, AS  
DLA - IS

## NOTES:

4. DIMENSIONS. ALL DIMENSIONS IN INCHES, TOLERANCES AS SHOWN.
5. DESIGN. SCREW LOCATION:
  - A. ALL KNOB SERIES "O THRU S" SHALL HAVE TWO SET SCREWS LOCATED 90° TO 125° APART.
  - B. KNOBS WITH SET SCREWS POSITIONED OPPOSITE TO "D" FLAT; THE SET SCREW ANGLE SHALL BE SYMMETRICAL WITH RESPECT TO "D" FLAT.
  - C. KNOBS WITH A SET SCREW FACING THE "D" FLAT; THAT SET SCREW SHALL BE REFERENCE FOR SET SCREW ANGLE MEASUREMENT.
  - D. SET SCREW ACCESS HOLES: (APPLIES TO SLIP-CLUTCH KNOBS ON SHEETS 37 THRU 46) SLIP-CLUTCH KNOBS SHALL EMPLOY A DETENT TYPE MECHANISM. THE DETENT POSITIONS SHALL BE EQUALLY SPACED. SET SCREW ACCESS HOLES SHALL ALIGN WITH THE TWO SET SCREWS IN AT LEAST ONE OF THE DETENT POSITIONS. AT LEAST ONE SET SCREW ACCESS HOLE SHALL ALIGN WITH ONE SET SCREW WHEN THE CLUTCH IS IN ANY DETENT POSITION.
6. COLOR. APPLIES TO ALL KNOBS EXCEPT THOSE ON SHEET 33. UNLESS OTHERWISE SPECIFIED, COLORS SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF FED-STD-595.
  - KNOB: BLACK LUSTERLESS, COLOR NUMBER 37038.
  - GRAY LUSTERLESS, COLOR NUMBER 36231.
  - RED LUSTERLESS, COLOR NUMBER 31136.
  - INDICIA: WHITE LUSTERLESS, COLOR NUMBER 37875.
  - GREEN FLUORESCENT TO CONFORM TO MIL-L-3891, TYPE F.
  - GREEN PHOSPHORESCENT TO CONFORM TO MIL-L-3891, TYPE P.
  - GREEN TO YELLOW-GREEN PHOSPHORESCENT TO CONFORM TO TT-P-54, TYPE 1.
7. MODIFIED KNOBS SHALL MEET REQUIREMENTS OF MIL-K-3926.
8. 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 ISSUE ADOPTED.

NEW SHEET ADDED

P.A. EC Other Cont ER II	TITLE KNOBS-CONTROL, PLASTIC (ROUND, CONCENTRIC, POINTER, SPINNER, SPINNER SLIP-CLUTCH, BAR, TACTILE, KNOB LOCK POINTER, SLIP-CLUTCH, AND KNOB LOCKS)	MILITARY STANDARD MS 91528
PROCUREMENT SPECIFICATION MIL-K-3926	SUPSEDES.	SHEET 47 OF 47

DD FORM 672-1 (Coordinated)

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① For changes see sheets 15, 16, 29, 37, and 42

APPROVED 2 DEC 1955 REVISED

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