

FED. SUPPLY CLASS

5355

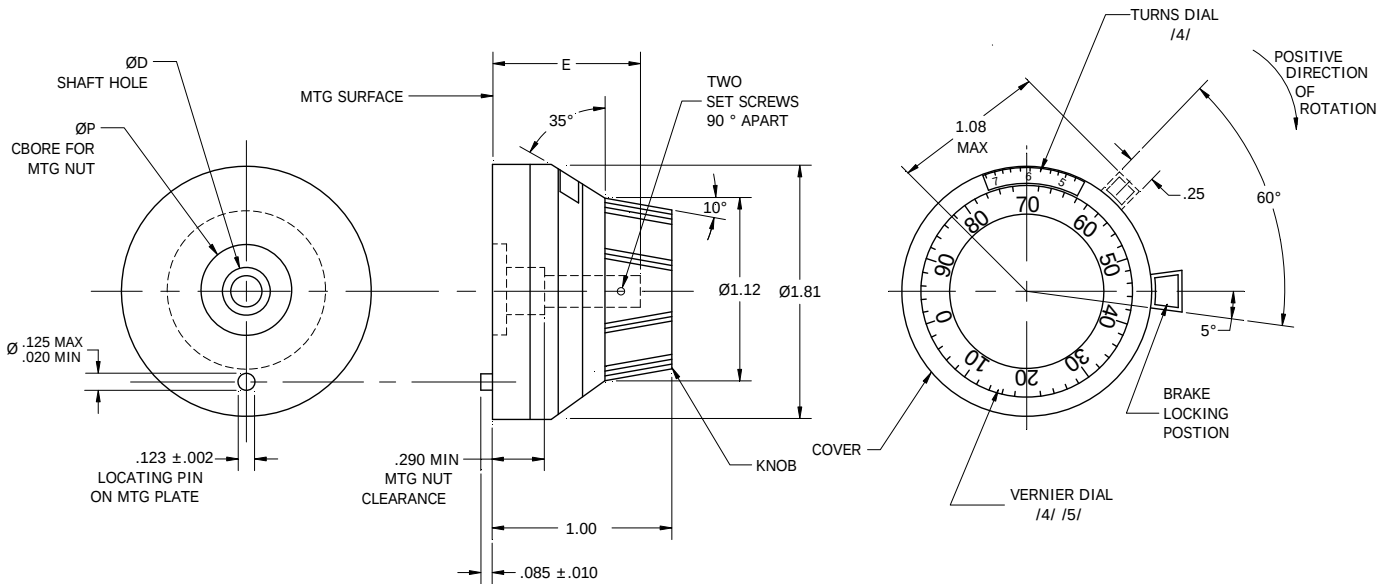


FIGURE 1. DIAL, CONTROL, MULTITURN COUNTERS, VERNIER, 1.81 DIAMETER

TABLE I – DASH NUMBERS AND DESCRIPTION

DASH NO	GEAR RATIO CODE XX.X:1 /5/	COLOR CODE /2/			ØD +.002 -.000	ØP +.010 -.000	MTG NUT ONE REQUIRED
		KNOB BRAKE LEVER	COVER	DIALS			
001	10.0	B	C	B	.252	.500	.375-32
002	15.0	B	C	C	.127	.397	.250-32
003	15.0	B	C	C	.252	.500	.375-32
004	15.0	G	C	C	.252	.500	.375-32

MATERIAL:

ALL COMPONENTS SHALL BE OF SUITABLE MATERIALS TO MEET REQUIREMENTS.

FINISH (SEE TABLE I):

COLOR IN ACCORDANCE WITH THE FOLLOWING:
CHROME SATIN, NATURAL IN ACCORDANCE WITH AMS2460 QQ-C-320, CLASS 1, TYPE II.
BLACK LUSTERLESS PAINT, COLOR NUMBER 37078 IN ACCORDANCE WITH FED-STD-595.
GRAY LUSTERLESS PAINT, COLOR NUMBER 36231 IN ACCORDANCE WITH FED-STD-595.
WHITE LUSTERLESS PAINT, COLOR NUMBER 37875 IN ACCORDANCE WITH FED-STD-595.

② COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-D-28728/1. PART NUMBERS REMAIN M28728/1-XXX.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NASM28728	TITLE DIAL, CONTROL, MULTITURN COUNTERS, VERNIER, 1.81 DIAMETER	CLASSIFICATION PART STANDARD
		NASM28728-1

CODE: THE PART NUMBER CONSISTS OF THE LETTER "M", THE BASIC NUMBER OF THIS SPECIFICATION SHEET AND A DASH NUMBER TAKEN FROM TABLE I.

EXAMPLE OF PART NUMBER:

M28728/1-003 = DIAL, FIFTEEN TURN COUNTER, VERNIER, 1.81 DIAMETER, BLACK KNOB, SATIN CHROME COVER AND DIALS, WITH .250 DIAMETER SHAFT HOLE.

NOTES:

- (1) ALL DIMENSIONS ARE IN INCHES.
- /2/ B = BLACK; C = SATIN CHROME; G = GRAY; W = WHITE.
- (3) UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm .005$ FOR THREE PLACE DECIMALS, $\pm .02$ FOR TWO PLACE DECIMALS AND $\pm 5^\circ - 0^\circ$ ON ANGLES.
- /4/ NUMERALS: .100 HIGH AND GRADUATIONS ARE INDENTED AND COLOR FILLED. WHITE ON BLACK DIAL AND BLACK ON CHROME DIAL.
- /5/ INDICIA: VERNIER SCALE - GRADUATIONS EVERY 18° WITH SUBDIVISIONS EVERY 3.6° . NUMERALS FROM 0 TO 90 IN TENS, MARKED EVERY OTHER GRADUATION. TURNS SCALE - NUMERALS WITH OPTIONAL GRADUATIONS TO INDICATE NUMBER OF TURNS. THREE NUMERALS MUST BE VISIBLE IN THE WINDOW AT ALL TIMES.
- (6) GEAR RATIO: THE FIRST TWO DIGITS OF THE GEAR RATIO CODE INDICATE WHOLE NUMBER OF TURNS OF THE KNOB NEEDED TO ROTATE THE SHAFT ONE FULL TURN (SEE TABLE I).
- (7) TOLERANCES AND DIMENSIONING PER ANSI Y14.5M-1982.
- (8) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (10) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (11) OPERATING TEMPERATURE RANGE: -65°F TO 160°F .
- (12) WEIGHT: 3 OUNCES MAXIMUM.
- (13) TORQUE: OPERATIONAL - 0.5 INCH OUNCE $\pm 15\%$.
LOCKING BRAKE - 25 INCH OUNCE MINIMUM.
- (14) METHOD OF COUNT: CONTINUOUS ROTATION OF VERNIER SCALE CLOCKWISE FOR INCREASE 0 TO 99 TO 0 IN COUNT AND COUNTER-CLOCKWISE FOR DECREASE IN COUNT. ONE COMPLETE TURN OF KNOB AND VERNIER SCALE SHALL MOVE TURNS DIAL ONE INCREMENT.
- (15) READOUT ACCURACY: .01 PERCENT OF FULL COUNT (1 PART IN 10,000).
- (16) LIFE: 1,000,000 CYCLES.
- (17) OPERATIONAL SPEED: 60 RPM MAXIMUM.

② COMPLETELY REVISED

REVISION
2
NAS M28728/1-003
SHEET 2



Document Sharing Hub