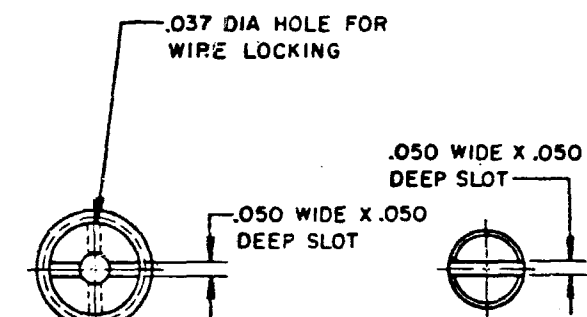


FED. MFG. CODE 91929

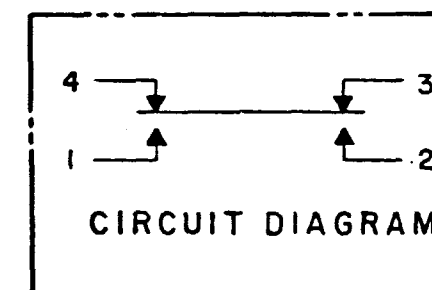
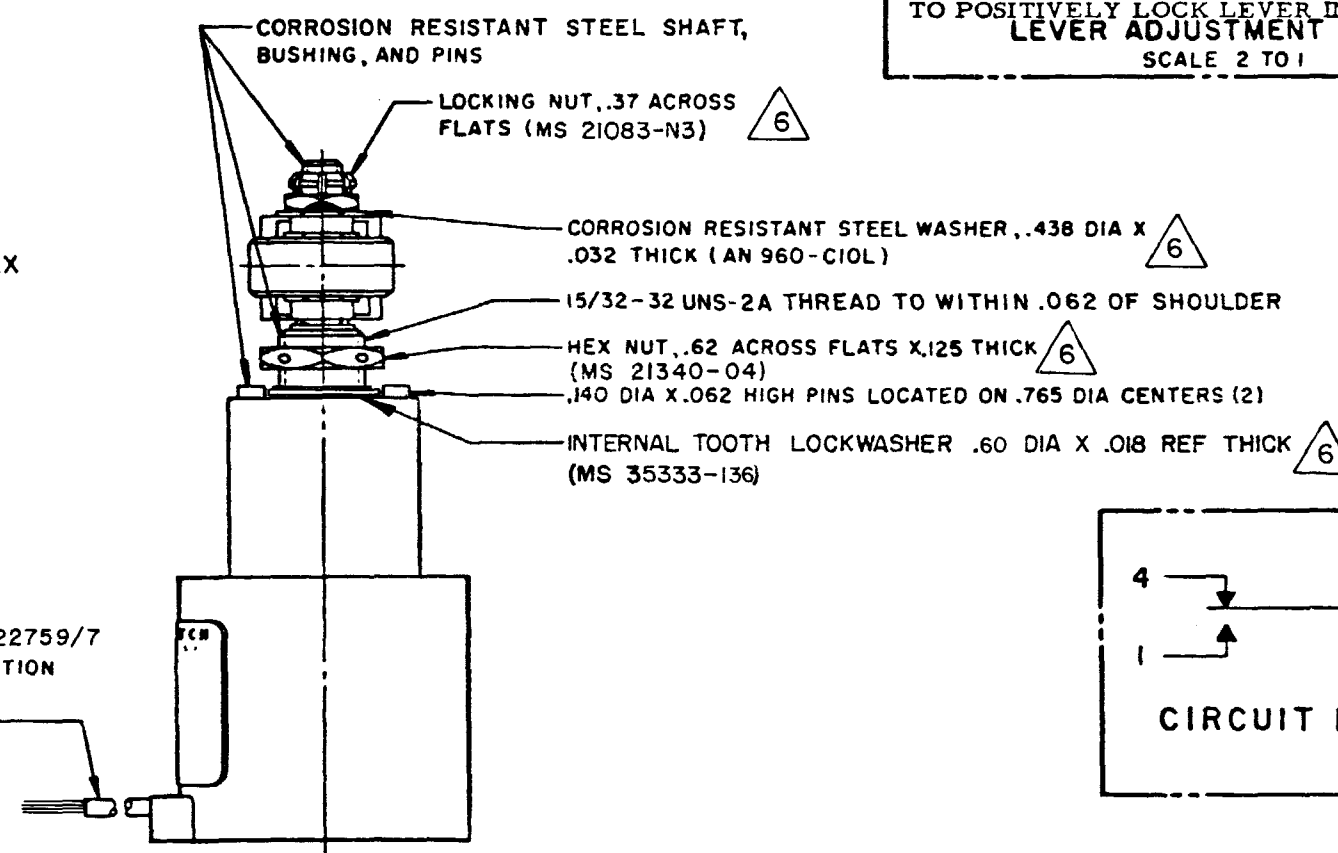
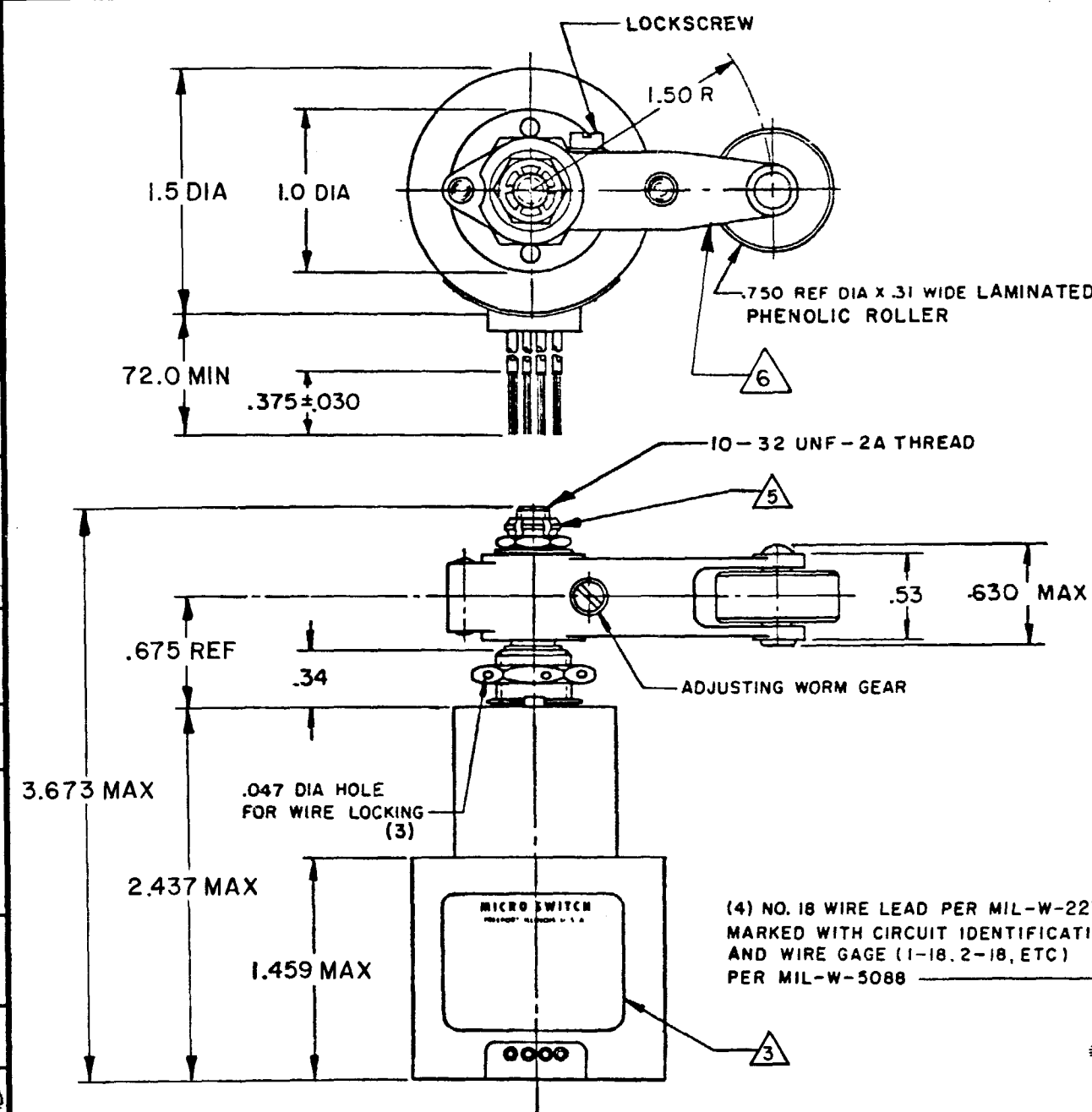
CATALOG LISTING
33 EN11-6

MILITARY STANDARD
MS 21320-5

Technical drawing of a mechanical linkage assembly. The drawing shows a central horizontal link connected to two circular components. The left component is a large circular hub with a central hexagonal bolt. The right component is a smaller circular hub. The link is shown in two positions: a horizontal 'FREE POSITION' and a downward 'OPERATING' position. The 'OPERATING' position is defined by a '5° MAX DIFFERENTIAL TRAVEL' between the two hubs. The total angular travel of the link is specified as $45^\circ \pm 3^\circ$. The pretravel angle is specified as $15^\circ \pm 4^\circ$.



LOCKSCREW **GEAR**
ROLLER LEVER MAY BE ADJUSTED FOR
AN INFINITE NUMBER OF POSITIONS THRU
360°. ADJUSTMENT IS MADE BY LOOSENING
THE LOCKING NUT AND THEN THE LOCK-
SCREW AND TURNING GEAR UNTIL LEVER
IS IN DESIRED POSITION. LOCKSCREW AND
LOCKNUT ON SHAFT IS THEN TIGHTENED
TO POSITIVELY LOCK LEVER IN POSITION.
LEVER ADJUSTMENT DETAIL
SCALE 2 TO 1



- 1 - CORROSION RESISTANT STEEL ENCLOSURE
- 2 - SWITCH SEALED PER MIL-S-8805 SYMBOL 4
- 3 - CIRCUIT DIAGRAM, CATALOG LISTING AND MIL STD NO. MS21320-5 ARE SHOWN ON NAMEPLATE
- 4 - TOTAL TRAVEL OF ROLLER LEVER IS $45^{\circ} \pm 3^{\circ}$ IN CLOCK-WISE DIRECTION ONLY, WITH SPRING RETURN IN NEUTRAL
- 5 - DO NOT APPLY MORE THAN 20-25 INCH-POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
- 6 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805

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THIRD FIVE PAGE SECTION

SCALE FULL

DO NOT SCALE PRINT

ELECTRICAL DATA

OPERATING TORQUE -----12-25 IN-LB
RELEASE TORQUE ----- 8 IN-LB MIN
FULL OVERTRAVEL TORQUE--40 IN-LB MAX
PRETRAVEL
DIFFERENTIAL TRAVEL
OVERTRAVEL
FREE POSITION

} SEE DETAIL

CONTACT ARRANGEMENT
(SEE CIRCUIT DIAGRAM)

LOAD	28 VDC	
	SEA LEVEL	50,000 FT.
RES	15	15
IND	10	10
MOTOR	5	

TOLERANCES

APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR

REFERENCE. UNLESS NOTED, TOLERANCES ARE ±				
	DIM. mm	TOL. mm/in	DIM. in	TOL. mm/in
NO PLACES	X	17.04		
ONE PLACE	X,X	0.4/0.16	X,X	0.01/0.03
TWO PLACES	X,XX	0.15/0.008	X,XX	0.38/0.015
THREE PLACES			X,XXX	0.13/0.005

DESIGN UNITS ☐ SI METRIC ☐

US CUSTOMARY

RAW MATERIAL-COMMERCIAL STANDARDS

MICRO SWITCH STANDARDS APPLY

DIMENSIONS ARE TO BE MET BEFORE

WEIGHT 9.5 OZ MAX

[illegible]