

SIDE ROTARY

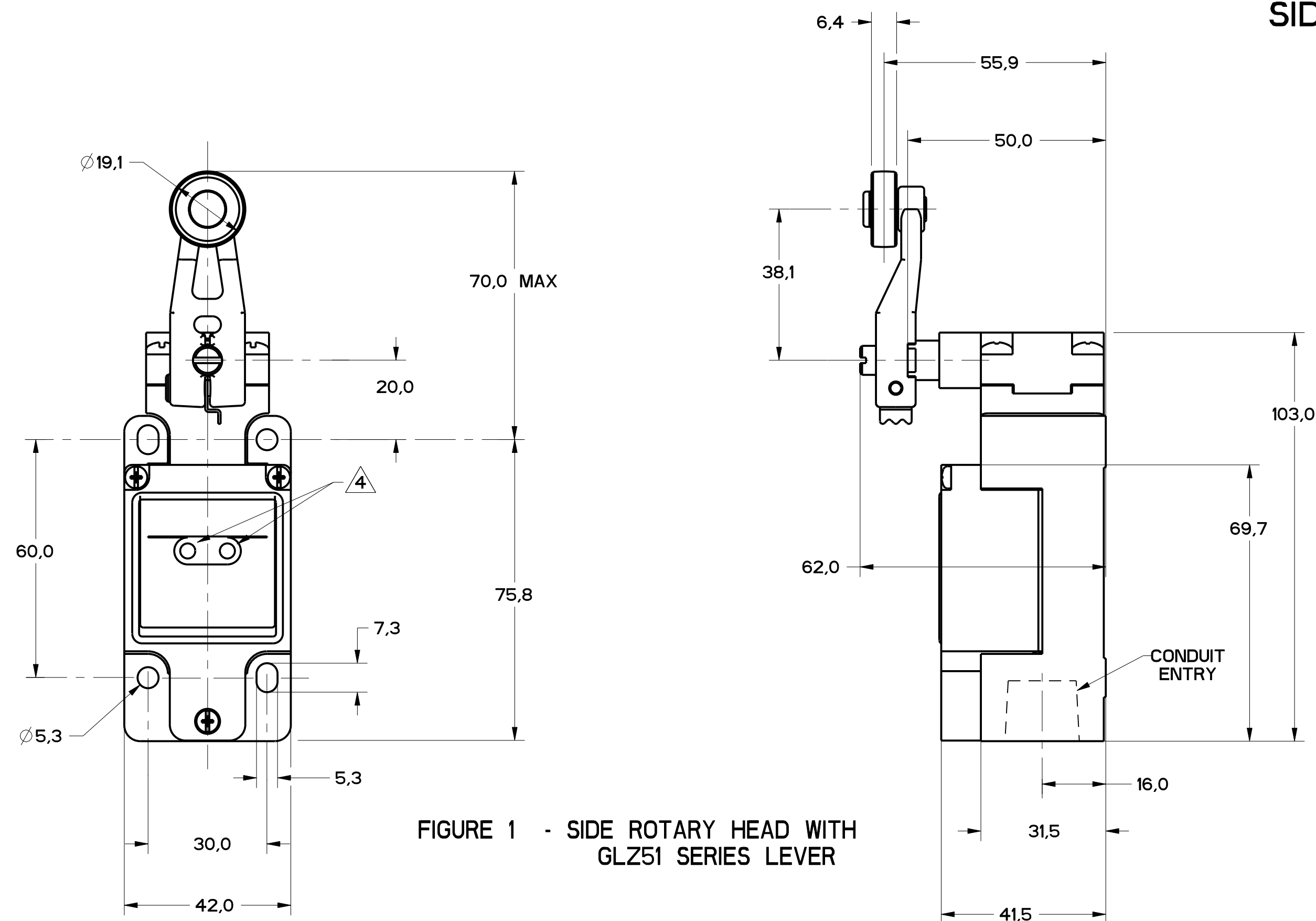


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

ALUMINUM ROD
GLZ54J: 200.00 / 7.870 MAX
GLZ54K: 140.00 / 5.510 MAX
STAINLESS STEEL ROD
GLZ54N: 318.00 / 12.490 MAX

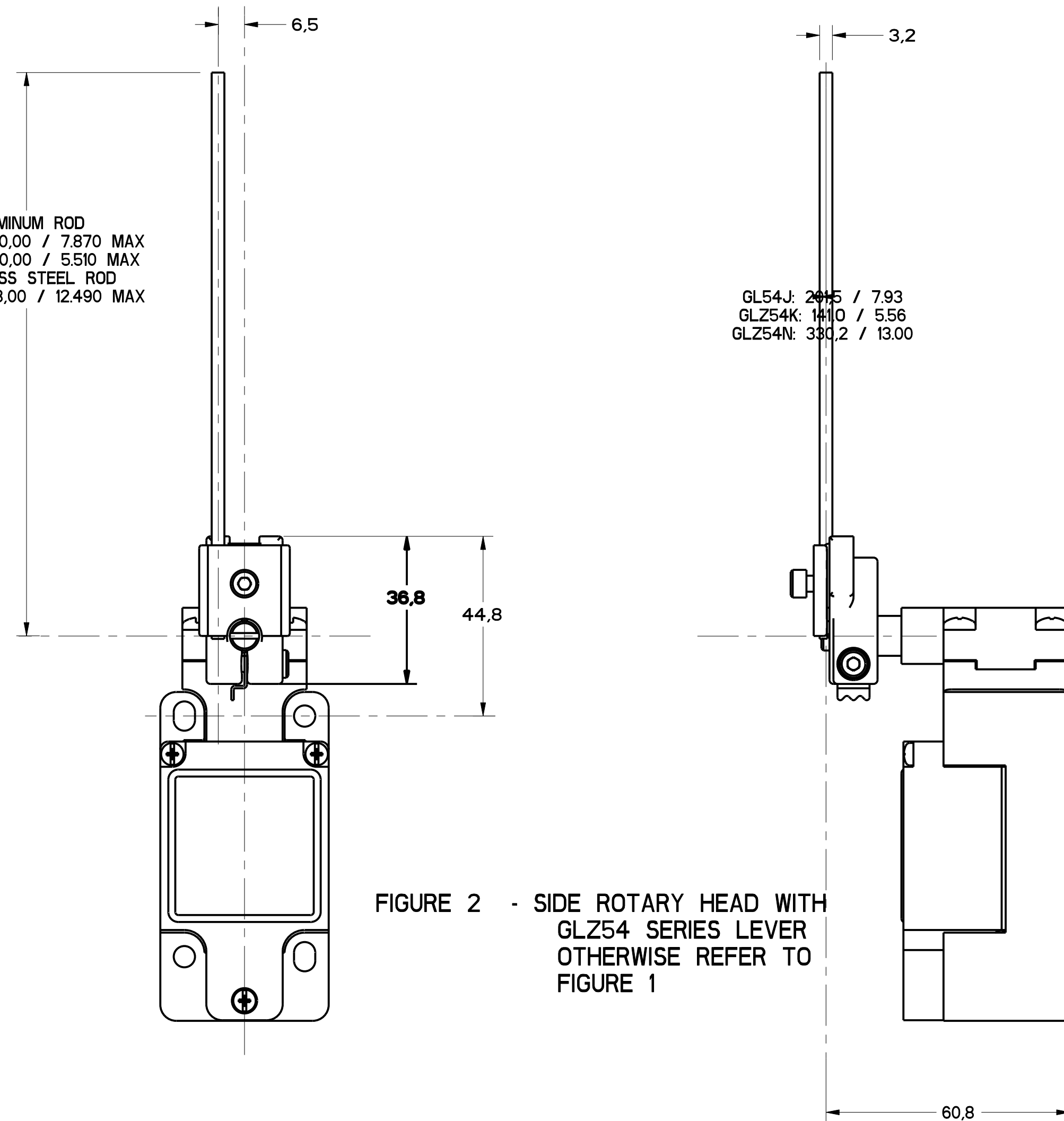


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

FIGURE	CATALOG LISTING	CONDUIT ENTRY
1A	GL*A SERIES	1/2-14 NPT
1B	GL*B SERIES	PG13.5
1C	GL*C SERIES	20mm
1D	GL*D SERIES	PF1/2

ELECTRICAL RATING $\Delta 5$			
AC		DC	
A600 Ue	AC15 Ie	Q300 Ue	DC13 Ie
(VOLTS)	(AMPS)	(VOLTS)	(AMPS)
120	6	24	2.8
240	3	125	.55
380	1.9	250	.27
480	1.5		
500	1.4		
600	1.2		

ENVIRONMENTAL RATING
IP67
NEMA/UL TYPES 1, 4, 12, 13

NOTES

- HEADS MAY BE INDEXED IN 90° INCREMENTS.
- LEVERS MAY BE KEYED TO THE SHAFT AT 90° INCREMENTS. THEY MAY ALSO BE ATTACHED, BUT NOT KEYED ANYWHERE ON THE SHAFT.
- FOR ADDITIONAL LEVERS SEE "M" DRAWING CHART GLZ5
- THE RIGHT INDICATOR IS YELLOW AND INDICATES "OUTPUT STATUS" IT IS ON GLG SERIES PRODUCTS ONLY.
- THE MAXIMUM VOLTAGE, V_e OF GLG SERIES PRODUCTS IS THE MAXIMUM RATED VOLTAGE OF INDICATION LIGHTS
- FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041
- CAM TRAVEL FOR FIG 9 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 38.1 / 1.50
- TEMPERATURE RANGE
(ALL PRODUCTS EXCEPT w/SIDE ROTARY OPERATING HEAD)
OPERATING: -25°C TO +85°C / -13°F TO +185°F
STORAGE: -40°C TO +85°C / -40°F TO +185°F
(PRODUCTS w/SIDE ROTARY OPERATING HEAD)
OPERATING: -40°C TO +85°C / -40°F TO +185°F
STORAGE: -40°C TO +85°C / -40°F TO +185°F

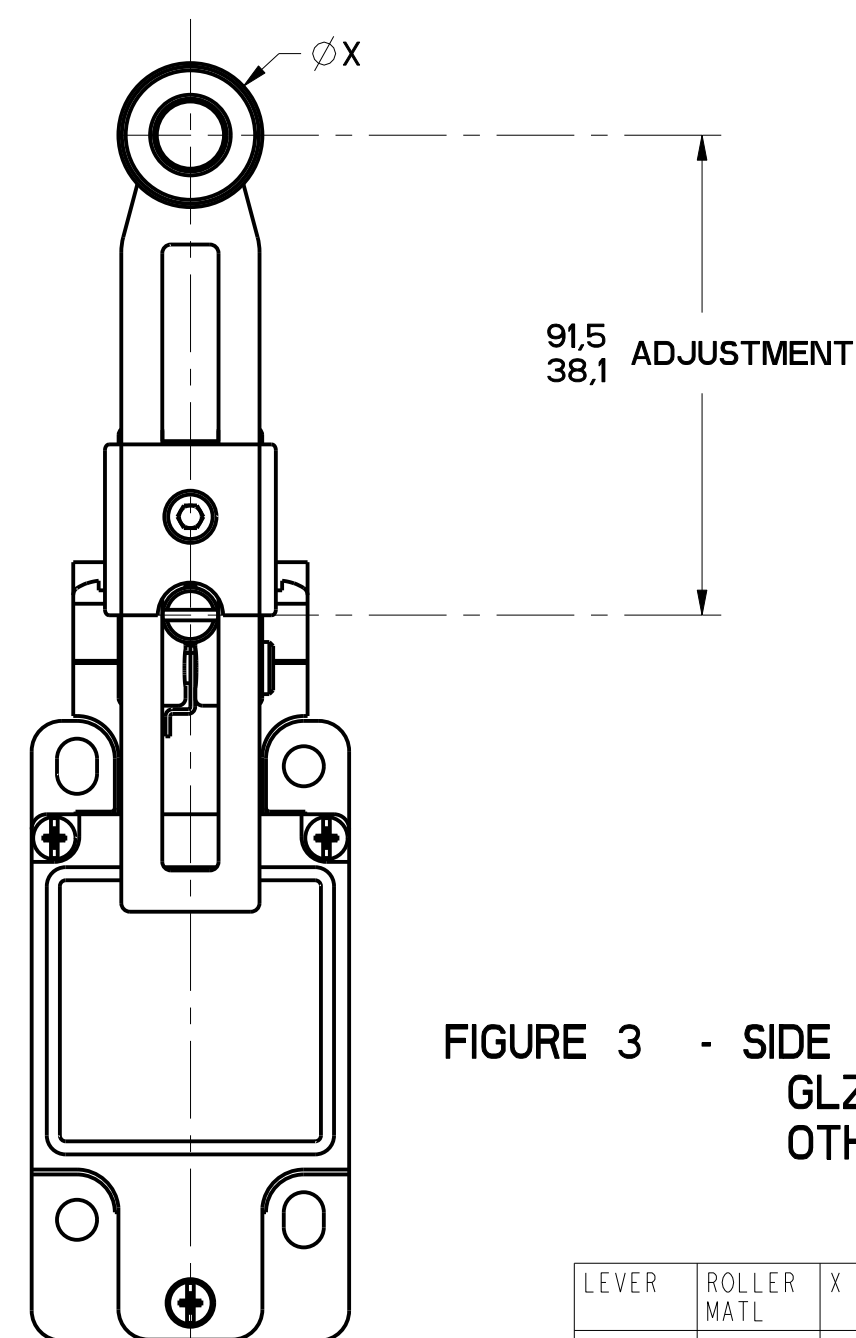


FIGURE 3 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS OTHERWISE REFER TO FIGURE 1

LEVER	ROLLER MATL	X DIM	Y DIM	Z DIM
GLZ52A	NYLON	19.1 .75	65.9 2.59	6.4 .25
GLZ52B	STEEL	19.1 .75	65.9 2.59	6.4 .25
GLZ52D	NYLON	38.1 1.5	65.9 2.59	6.4 .25
GLZ52E	NYLON	19.1 .75	79.37 3.125	33.07 1.300
GLZ52W	RUBBER	40.0 1.5	71.5 2.81	12.7 .5
GLZ52Y	RUBBER	50.9 2.0	71.5 2.81	12.7 .5

CATALOG LISTING	BODY DIMENSIONS, FIGURE	HEAD DIMENSIONS, FIGURE	HEAD ACTUATION, FIGURE
GLB***	I	N/A	N/A
GLG***	I	N/A	N/A
GLJ***	I	N/A	N/A
GL*A***	1A	N/A	N/A
GL*B***	1B	N/A	N/A
GL*C***	1C	N/A	N/A
GL*D***	1D	N/A	N/A
GL***A1*	I	8	
GL***A2*	I	3	9
GL***A4*	I	2	10
GL***A5*	I		8
GL***B	I	4	11
GL***C	I	5	13A, 13B
GL***D	I	6	14A, 14B
GL***E7A	I	7A	12
GL***E7B	I	7	12
GL***E7C	I	7E	12
GL***E7D	I	7B	12
GL***K8A	I	7C	15
GL***K8B	I	7D	15
GL***K8C	I	7	15

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FED. MFG. CODE 91929		SWITCH, ENCLOSED	
MICRO SWITCH a Honeywell Division		GL SERIES CHART 2	
DESIGN UNITS		WEIGHT	

THIRD ANGLE PROJECTION			
SCALE FULL			
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
NO PLACES	1/16	1/32	1/64
ONE PLACE	1/8	1/16	1/32
TWO PLACES	1/4	1/8	1/16
THREE PLACES	1/2	1/4	1/8
ANGLES	1/2	1/4	1/8
SI METRIC	X		
US CUSTOMARY	X		

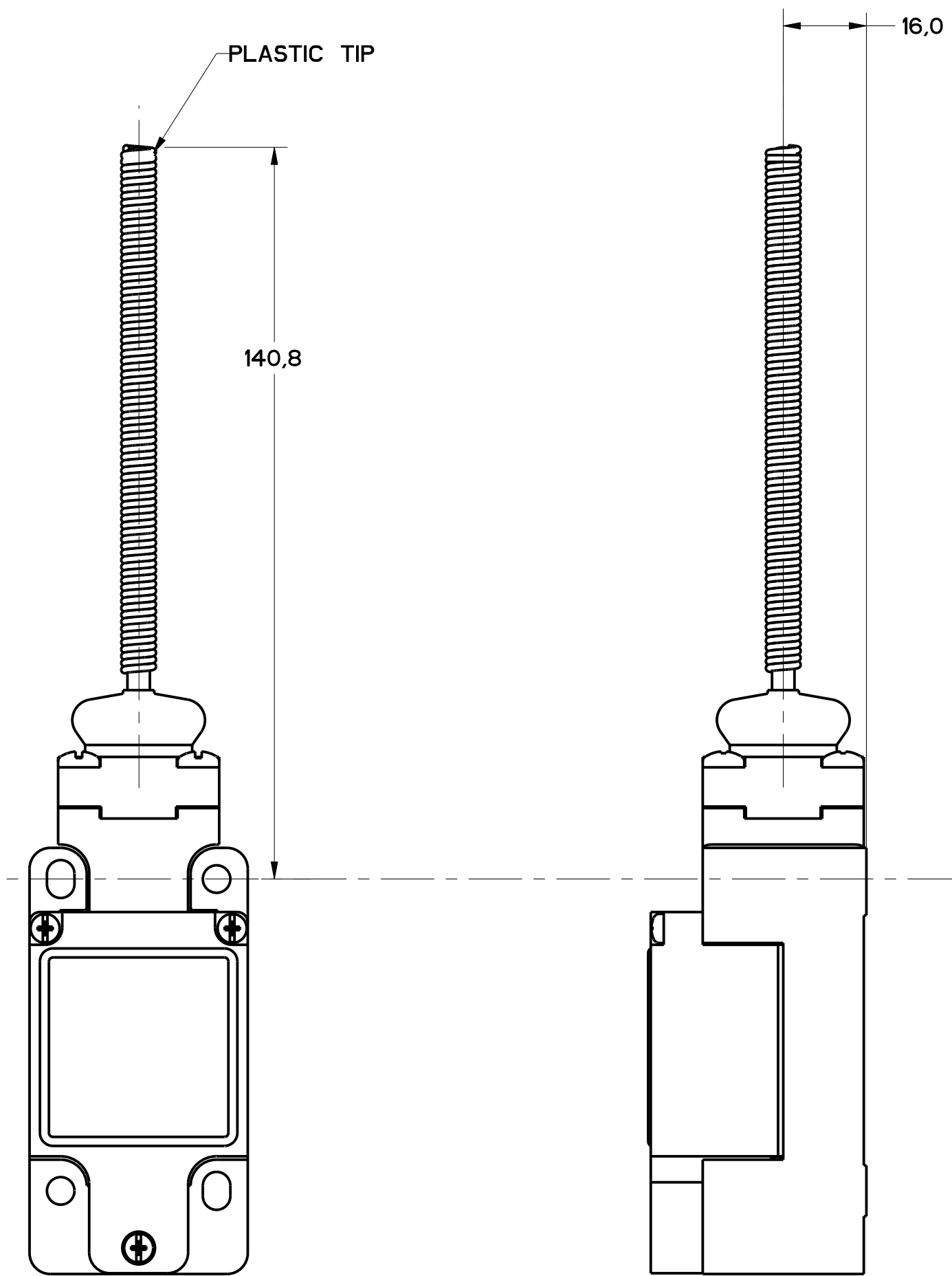


FIGURE 7 - WOBBLE HEAD, AND CAT WHISKER HEAD
COIL ACTUATOR,
OTHERWISE REFER TO
FIGURE 1

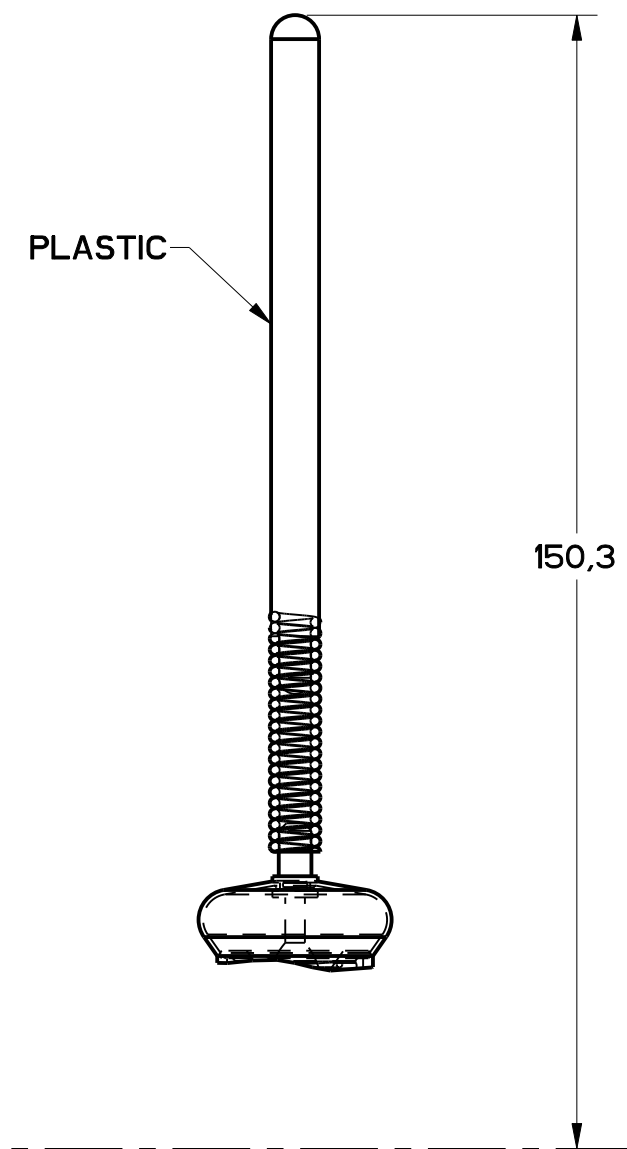


FIGURE 7A -
WOBBLE HEAD,
PLASTIC ACTUATOR,
OTHERWISE SAME AS FIGURE 7

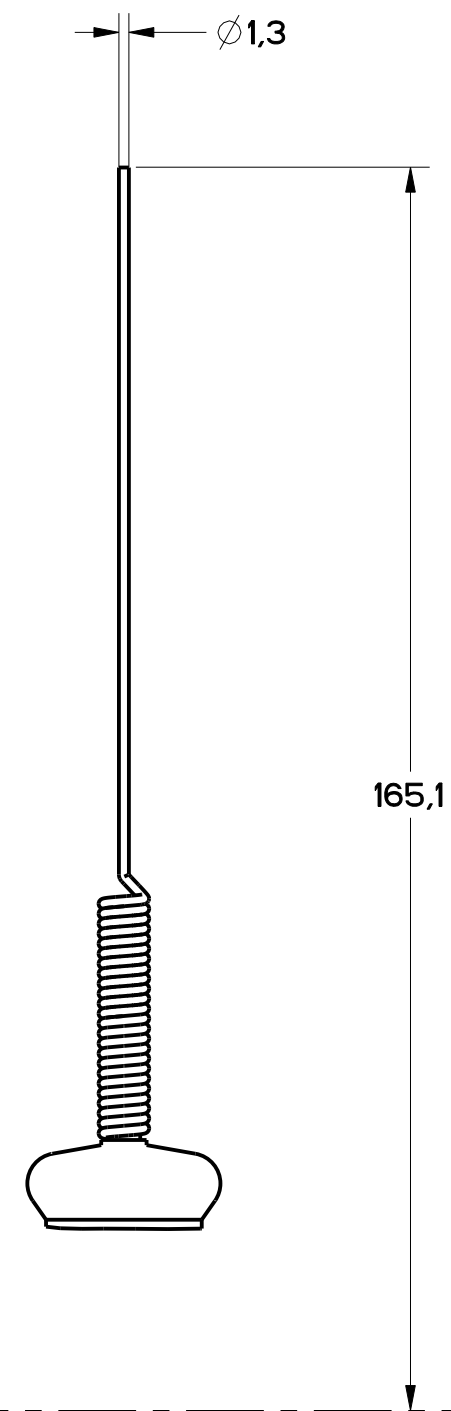


FIGURE 7B -
WOBBLE HEAD
STAINLESS STEEL SPRING
ACTUATOR, OTHERWISE
SAME AS FIGURE 7

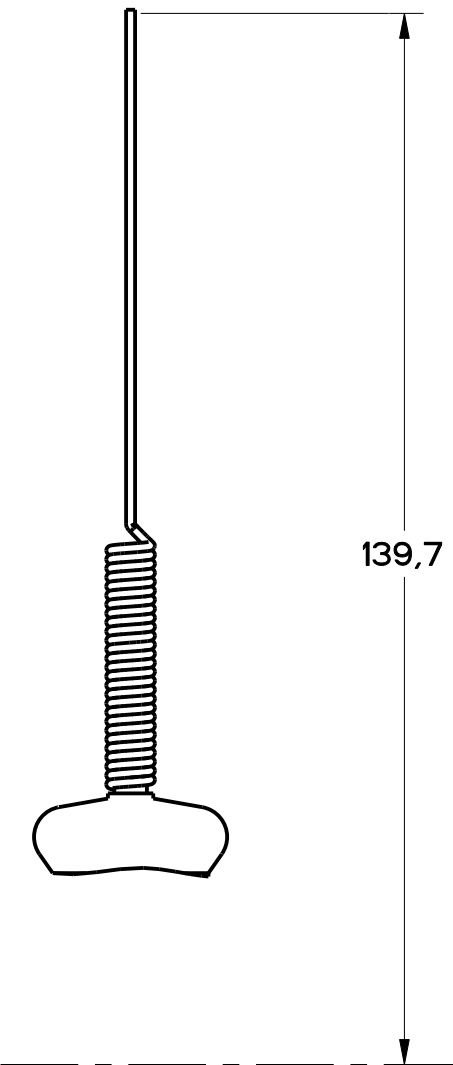


FIGURE 7C -
CAT WHISKER
ACTUATOR STAINLESS
STEEL SPRING
OTHERWISE SAME AS
FIGURE 7

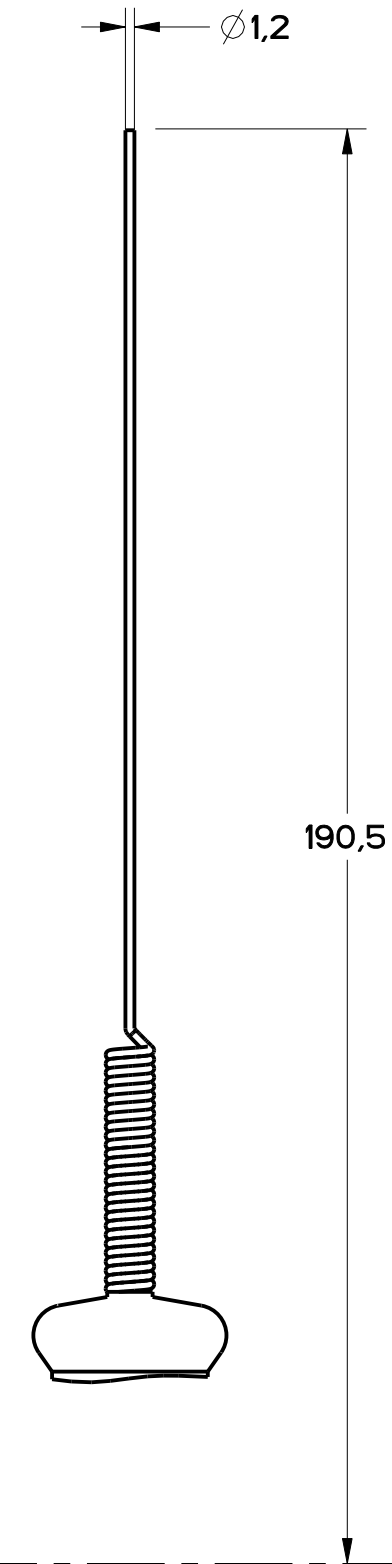


FIGURE 7D -
CAT WHISKER
ACTUATOR, STAINLESS
STEEL SPRING,
OTHERWISE SAME
AS FIGURE 7

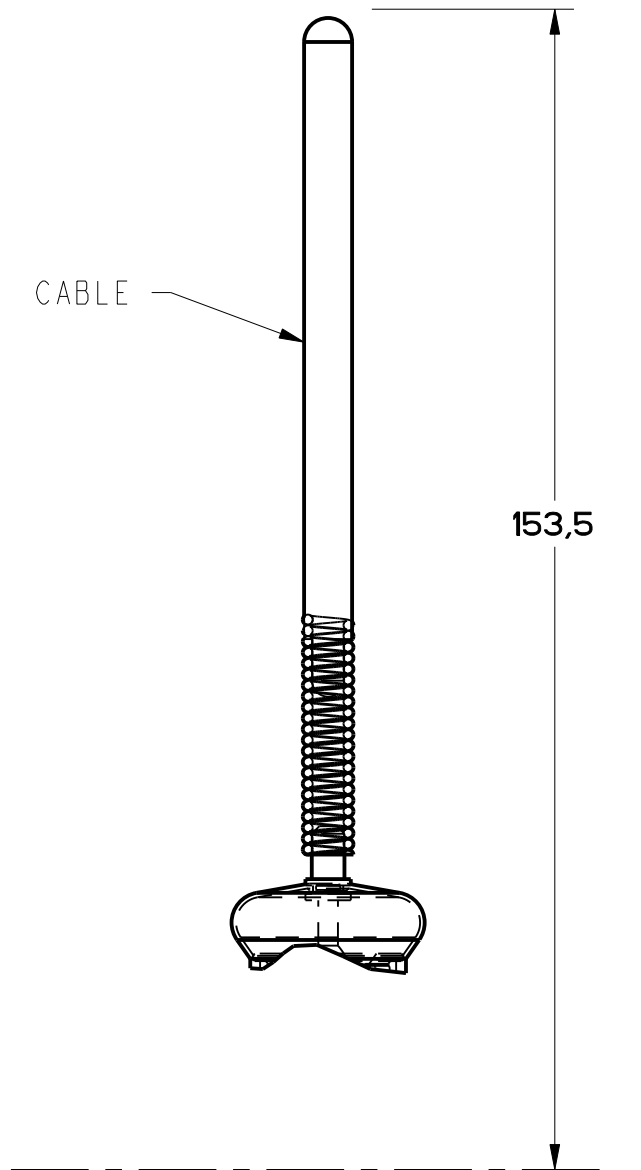


FIGURE 7E -
CABLE WOBBLE
ACTUATOR
OTHERWISE SAME
AS FIGURE 7

[illegible]

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FED. MFG. CODE 91929		CATALOG LISTING		DIM mm TOL mil/in DIM in TOL mil/in <table border="0" style="width: 100%;"> <tr> <td>NO PLACES</td><td></td><td>1.784</td><td>± .003</td><td>1.784</td><td>± .003</td></tr> <tr> <td>ONE PLACE</td><td>X, X</td><td>0.41 018</td><td></td><td>0.384 015</td><td></td></tr> <tr> <td>TWO PLACES</td><td>X, X</td><td>1.27 ± .006</td><td></td><td>1.27 ± .006</td><td></td></tr> <tr> <td>THREE PLACES</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>ANGLES</td><td></td><td></td><td></td><td></td><td></td></tr> </table> $\pm \frac{.003}{\text{SI METRIC}}$ DESIGN UNITS ☒ US CUSTOMARY ☐		NO PLACES		1.784	± .003	1.784	± .003	ONE PLACE	X, X	0.41 018		0.384 015		TWO PLACES	X, X	1.27 ± .006		1.27 ± .006		THREE PLACES						ANGLES					
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ANGLES																																			
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED		GL SERIES CHART 2																															
				WEIGHT																															

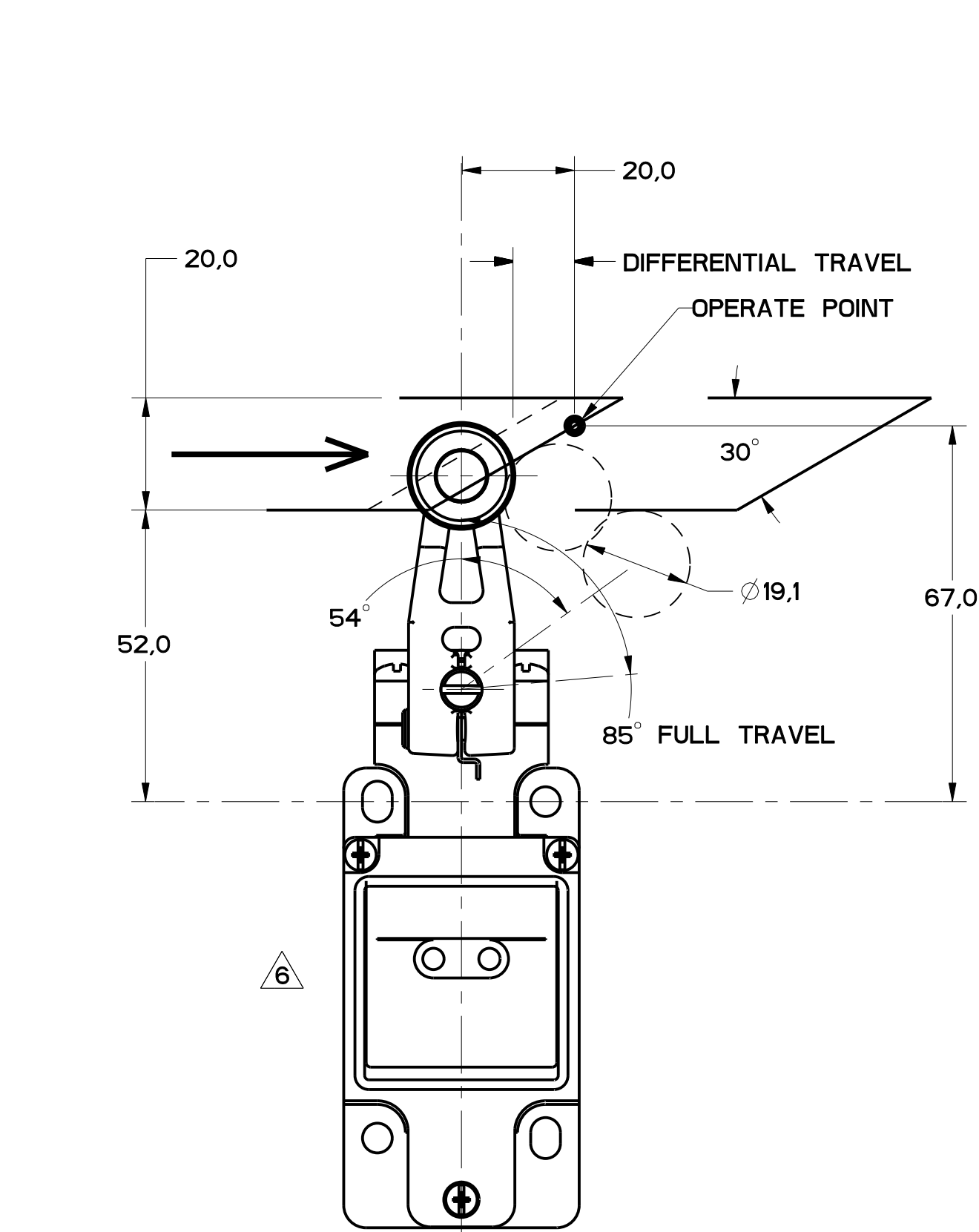


FIGURE 8

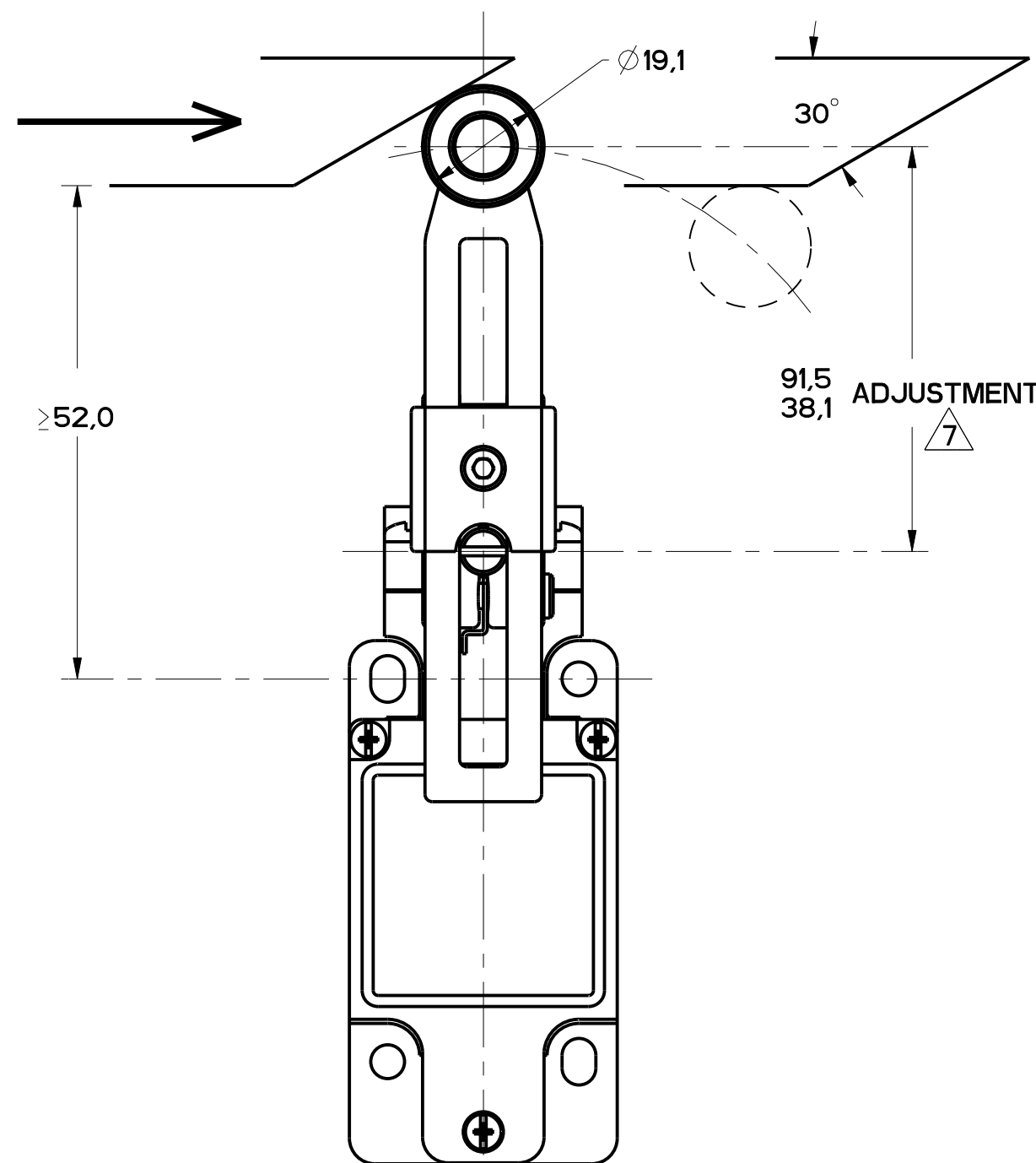


FIGURE 9

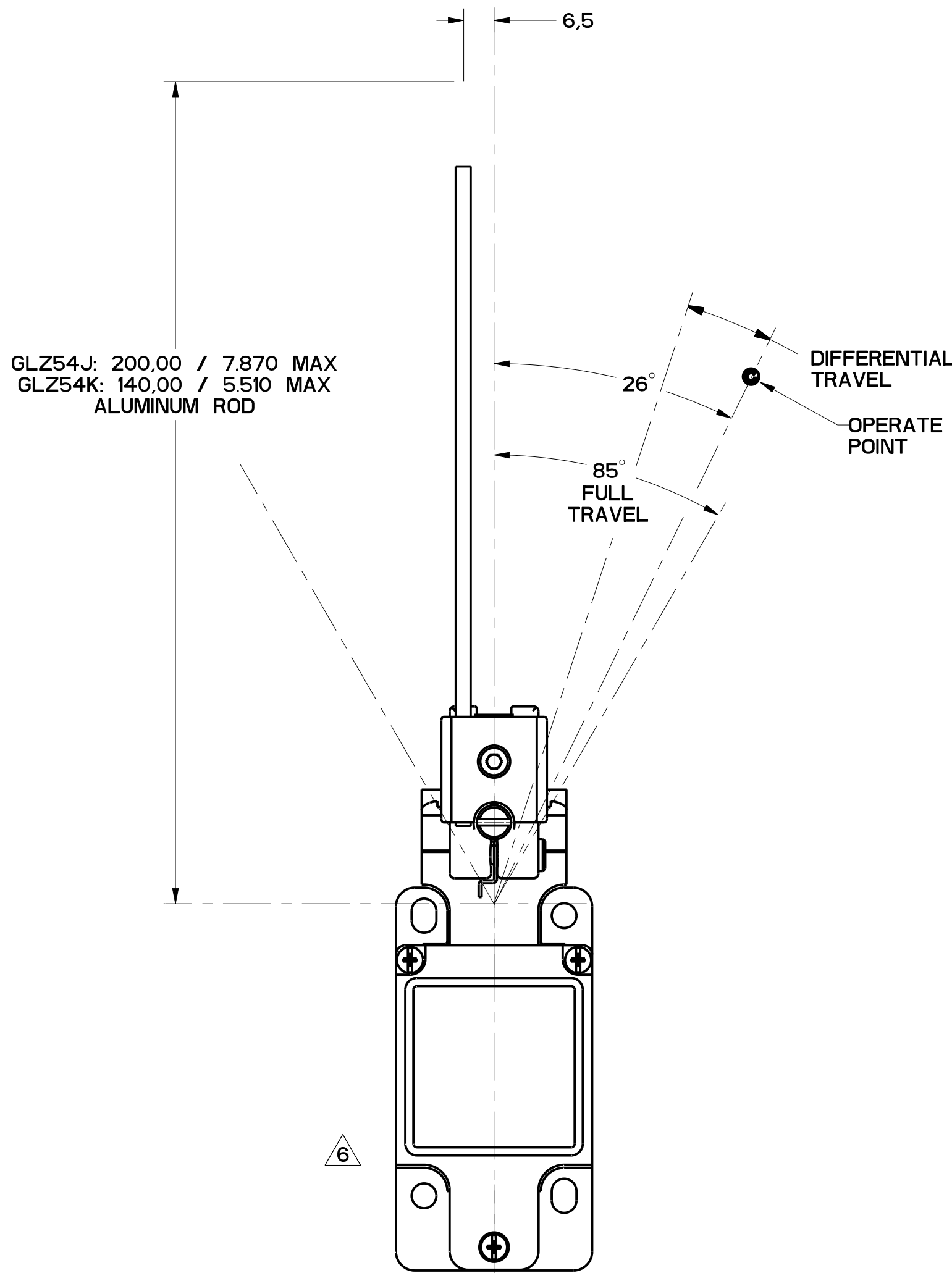


FIGURE 10

FIGURES 8, 9, 10 ANGULAR ACTUATION

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5	MAXIMUM OPERATING TORQUE $\frac{N}{LB-IN}$	MAXIMUM DISCONNECT TORQUE $\frac{N}{LB-IN}$	MAX OPERATE DEGREE/S	MIN OPERATE DEGREE/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02A*	SNAP - ACTION CONTACTS SINGLE POLE 	21-22 26° 55**° 85° 13-14 12° DIFFERENTIAL TRAVEL	$\frac{.330}{2.9}$	$\frac{.385}{3.4}$	1290	13	250

CAM ACTUATION PER EN50041, FIGURES 8 AND 9

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5 DIMENSIONS IN mm	MAXIMUM OPERATING FORCE $\frac{N}{LB}$	MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$	MAX OPERATE VEL $\frac{M}{S}$ $\frac{IN}{S}$	MIN OPERATE VEL $\frac{M}{S}$ $\frac{IN}{S}$	MAX OPERATE FREQUENCY OPS/MIN
GL**02A*	SNAP - ACTION CONTACTS SINGLE POLE 	21-22 0 20 56** 13-14 12 DIFFERENTIAL TRAVEL	$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$	$\frac{.85}{33.5}$	$\frac{8.5}{.33}$	250



FIGURE 12

FIGURES 11, PIN PLUNGER HEAD, LINEAR ACTUATION							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE $\frac{N}{LB}$	MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$	MAX OPERATE VEL $\frac{M/S}{in/S}$	MIN OPERATE VEL $\frac{mm/S}{in/S}$	MAX OPERATE FREQUENCY OPS/MIN
GL**02B	SNAP - ACTION CONTACTS SINGLE POLE 		$\frac{16}{3.6}$	$\frac{27}{6.0}$	$\frac{0.1}{3.9}$	$\frac{1.0}{.04}$	250

FIGURE 12, WOBBLE HEAD, ANGULAR ACTUATION								
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING TORQUE $\frac{\text{N}\cdot\text{m}}{\text{LB}\cdot\text{in}}$	MAXIMUM DISCONNECT TORQUE $\frac{\text{N}\cdot\text{m}}{\text{LB}\cdot\text{in}}$	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S	MAX OPERATE RATE CYCLES/MIN	
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 18° 8° DIFFERENTIAL TRAVEL	$\frac{0.2}{1.8}$	N/A	360	8	100	

FIGURE 12, WOBBLE HEAD, SIDE ACTUATION AT 100mm							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	■ - NOMINAL TRAVELS AND RELATED TERMINALS □ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE $\frac{N}{LB}$	MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$	MAX OPERATE VEL $\frac{M/S}{IN/S}$	MIN OPERATE VEL $\frac{MM/S}{IN/S}$	MAX OPERATE FREQUENCY OPS/MIN
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 		$\frac{2.5}{0.6}$	N/A	$\frac{5}{19.7}$	$\frac{11}{.43}$	100

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DIM	TOL	DIM	TOL																								
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TWO PLACES	± 0.40	0.0016	± 0.0003																								
THREE PLACES	± 0.15	0.006	± 0.0005																								
ANGLES	± 2°																										
FED. MFG. CODE 91929	CATALOG LISTING	<table border="1"> <tr> <td>SI METRIC</td> <td>US CUSTOMARY</td> </tr> <tr> <td>☒</td> <td>☐</td> </tr> </table>		SI METRIC	US CUSTOMARY	☒	☐																				
SI METRIC	US CUSTOMARY																										
☒	☐																										
MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED	GL SERIES CHART 2																									
DESIGN UNITS		DESIGN UNITS																									

REVISIONS		
A	CO	78529
B	CS	81101
B	CO	93188
C	CO	93188
C	CO	93188
D	CO	93188
E	CO	93188

FIGURE 13A, ROLLER PLUNGER HEAD, PIN ACTUATION

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02C	SNAP - ACTION CONTACTS SINGLE POLE 	 0.9 DIFFERENTIAL TRAVEL	16 3.6	27 6.0	0.1 3.9	1.0 .04	250

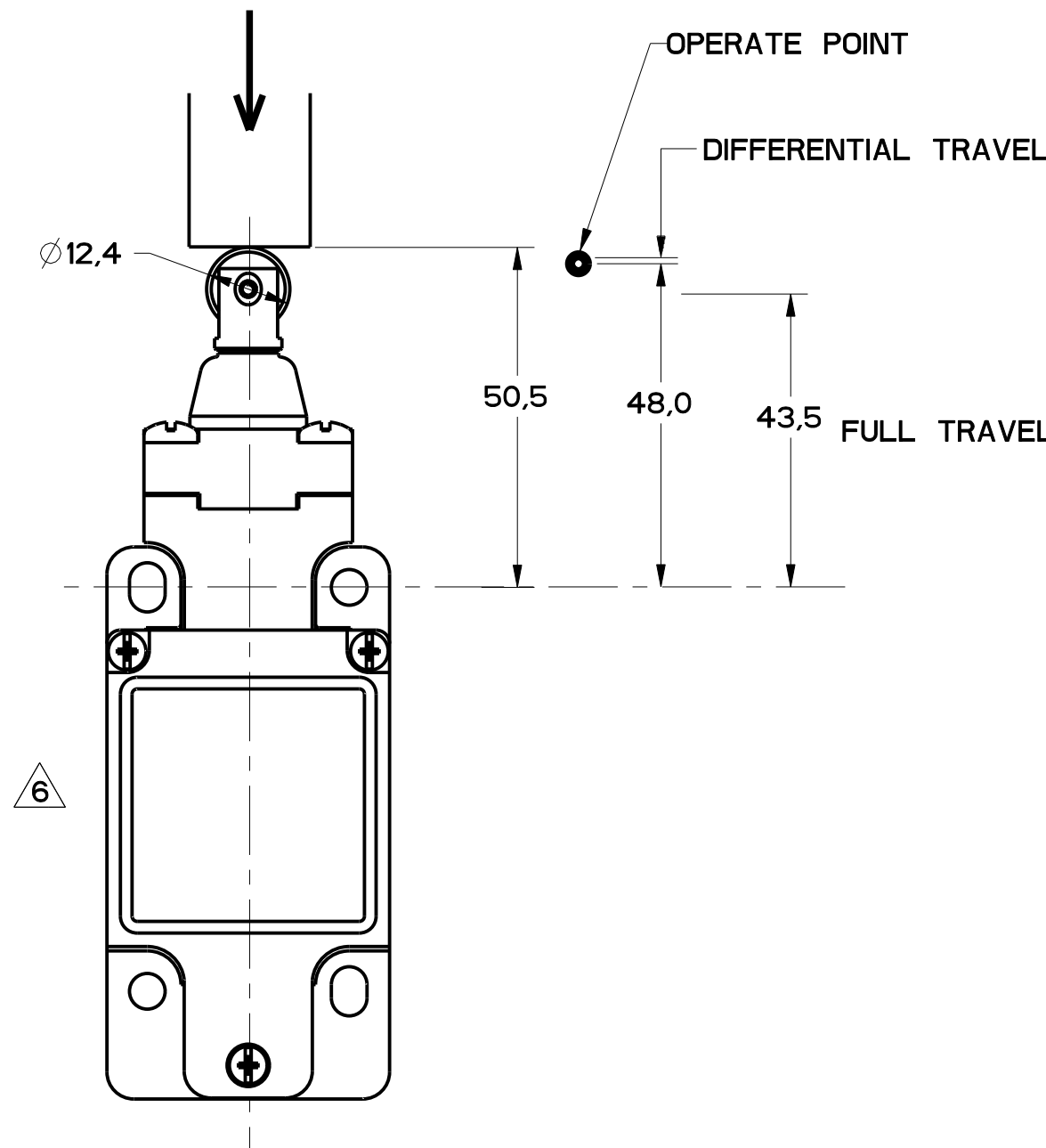


FIGURE 13A

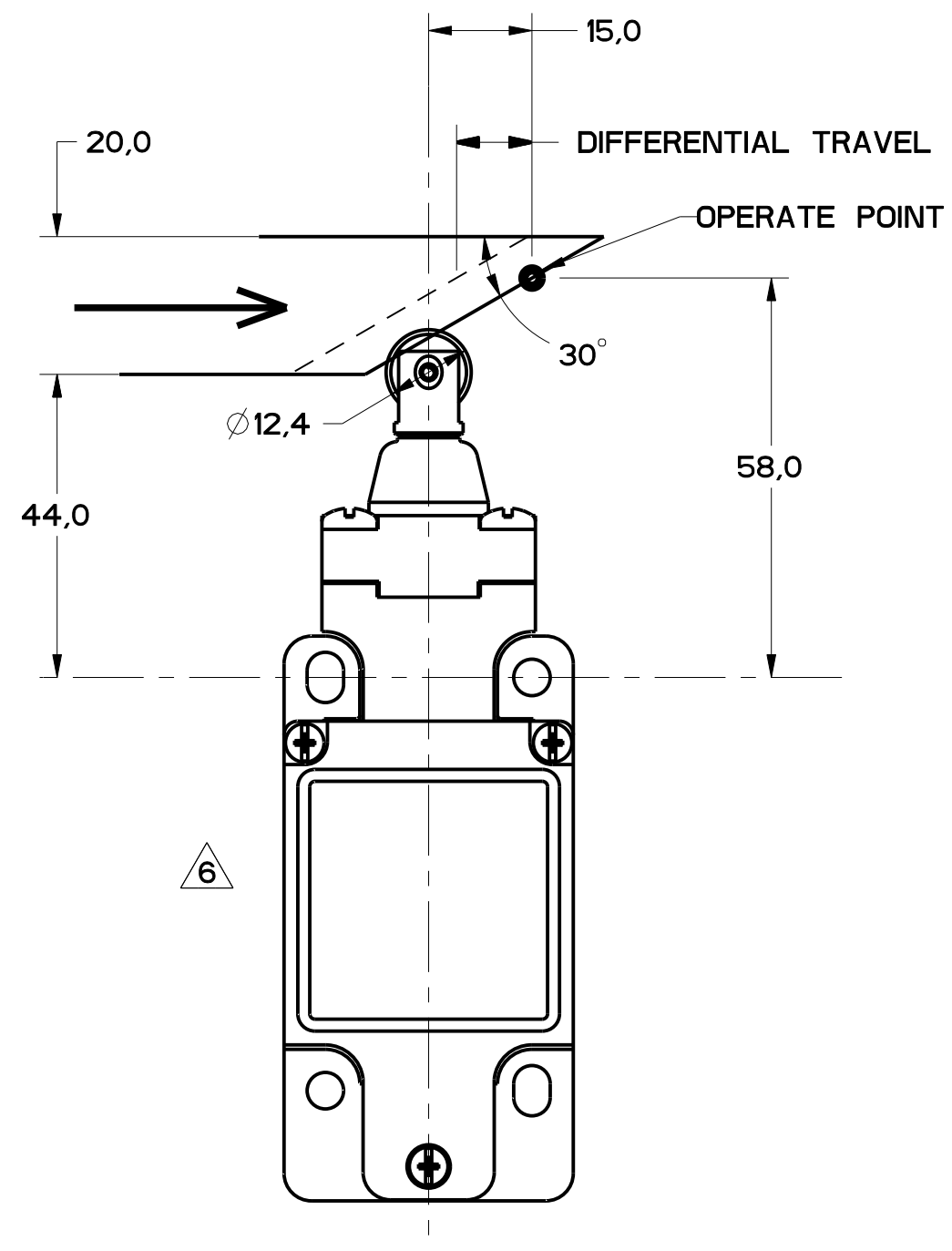


FIGURE 13B

FIGURE 13B, TOP ROLLER PLUNGER HEAD, CAM ACTUATION PER EN50041

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02C	SNAP - ACTION CONTACTS SINGLE POLE 	 1.8 DIFFERENTIAL TRAVEL	9.3 2.1	15.6 3.5	0.17 6.7	1.7 .067	250

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:

	IN	TOL	MM	TOL
NO PLACES	X	1/16	1.0	0.01
ONE PLACE	X.X	0.0156	0.4	0.025
TWO PLACES	X.XX	0.0031	0.1	0.005
THREE PLACES	X.XXX	0.0008	0.025	0.001

DESIGN UNITS: SI METRIC [X] US CUSTOMARY []

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FED. MFG. CODE 91929

CATALOG LISTING

SWITCH, ENCLOSED

GL SERIES CHART 2

WEIGHT

REVISIONS		
A	1	180292
B	1	01
C	20	SEP 94
D	CO	93789
E	REV	200788
F	0000401	
G	011	2 JUN 93
H	0002986	
I	20	JAN 94
J	0017532	
K	0000005	

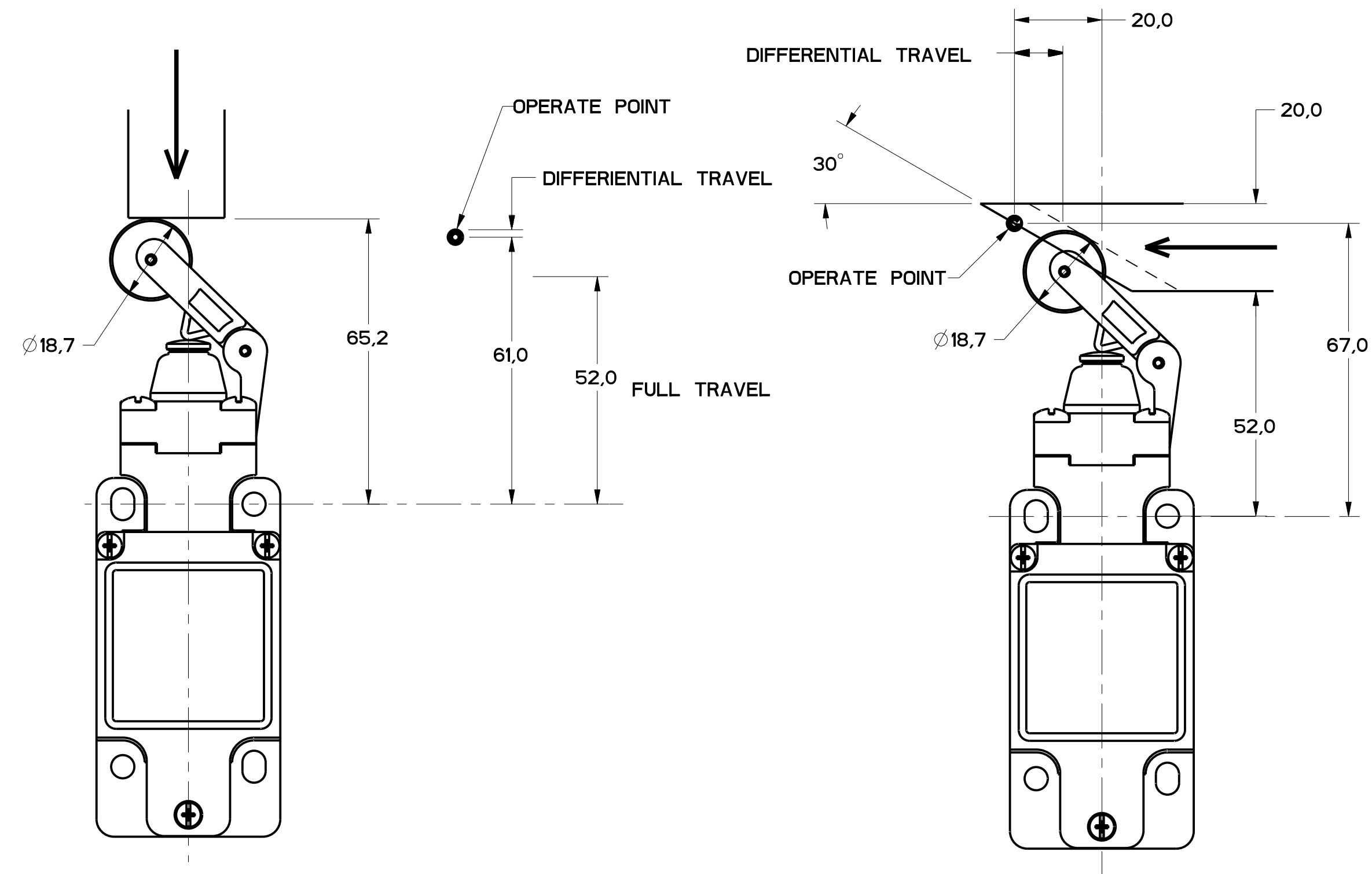


FIGURE 14A

FIGURE 14B

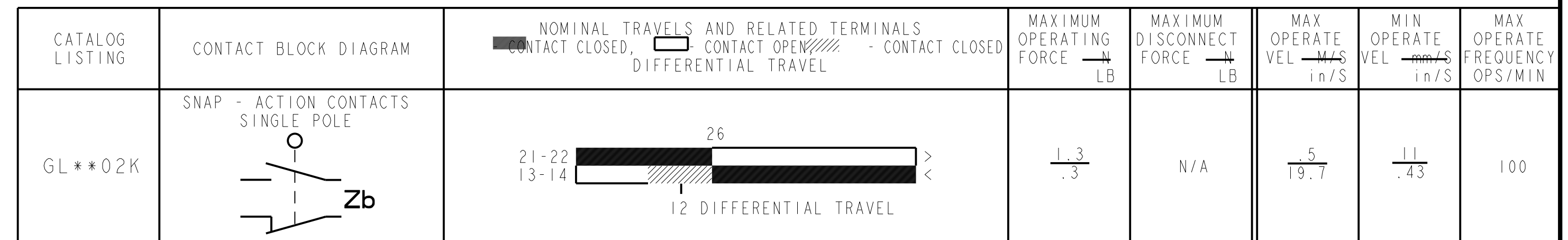
FIGURE 14A, TOP ROLLER LEVER HEAD WITH PIN ACTUATION						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 	 1.7 DIFFERENTIAL TRAVEL	9.5 2.1	12 2.7	0.17 6.7	1.7 .067

FIGURE 14B, TOP ROLLER LEVER HEAD WITH CAM ACTUATION						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL M/S in/S
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 	 4.1 DIFFERENTIAL TRAVEL	5.5 1.2	7.0 1.6	0.29 11.4	2.9 .11

THIRD ANGLE PROJECTION
SCALE: FULL
DO NOT SCALE PRINT
TOLERANCES:
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:
DIM TOL DIM TOL
NO PLACES .X .1/.04 .2 .8/.03
ONE PLACE .X.X 0.01/.016 .2.XX 0.39/.015
TWO PLACES .X.XX 0.15/.008 .2.XX 0.39/.015
THREE PLACES .X.XXX
ANGLES ±Z
DESIGN UNITS SI METRIC [X] US CUSTOMARY []
WEIGHT



CATALOG LISTING	CONTACT BLOCK DIAGRAM		MAXIMUM OPERATING TORQUE - N-m - LB-IN	MAXIMUM DISCONNECT TORQUE - N-m - LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S	MAX OPERATE RATE CYCLES/MIN
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 		$\frac{0.1}{.9}$	N/A	360	8	100



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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

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