

SIDE ROTARY

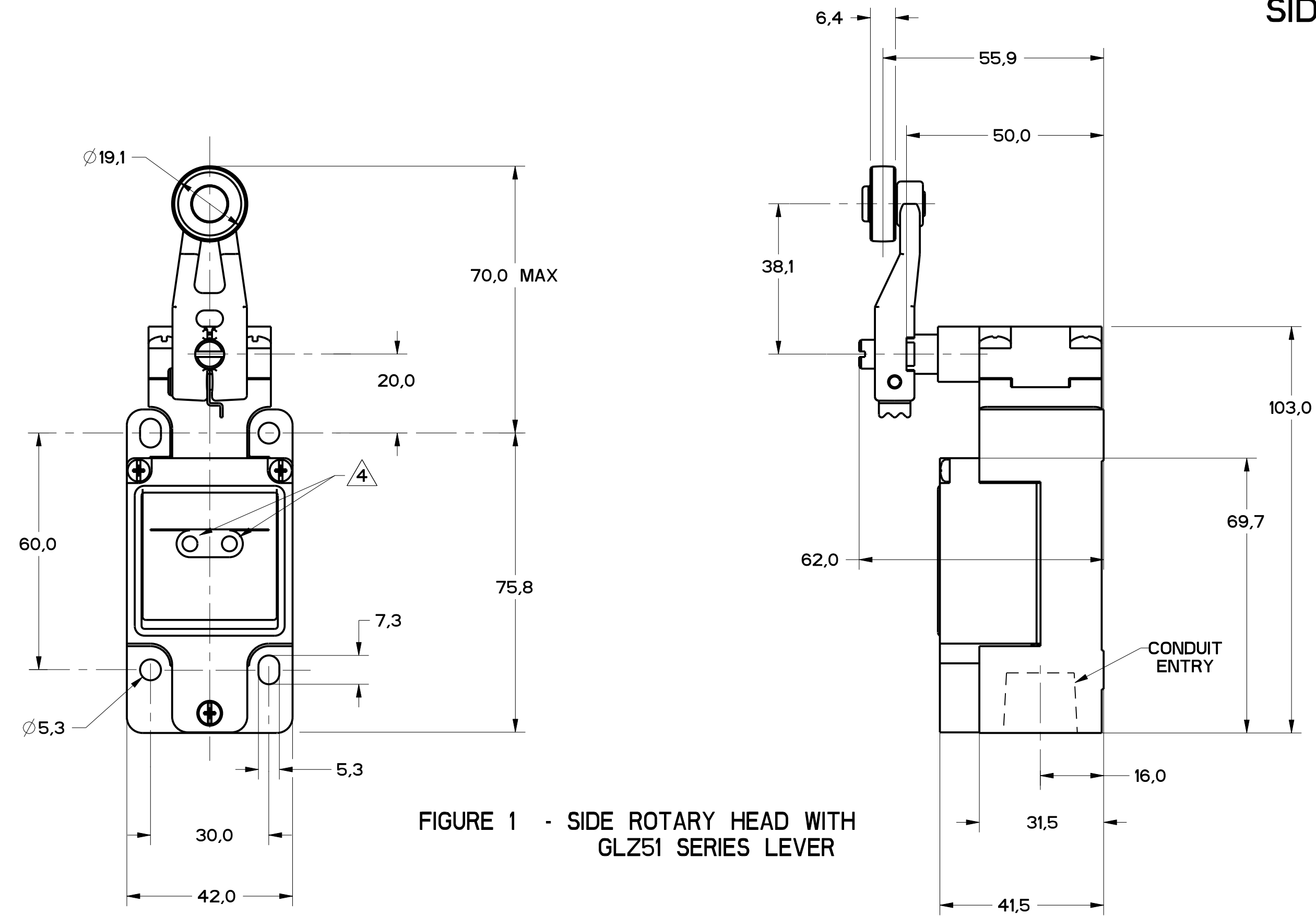


FIGURE 1 - SIDE ROTARY HEAD WITH
GLZ51 SERIES LEVER

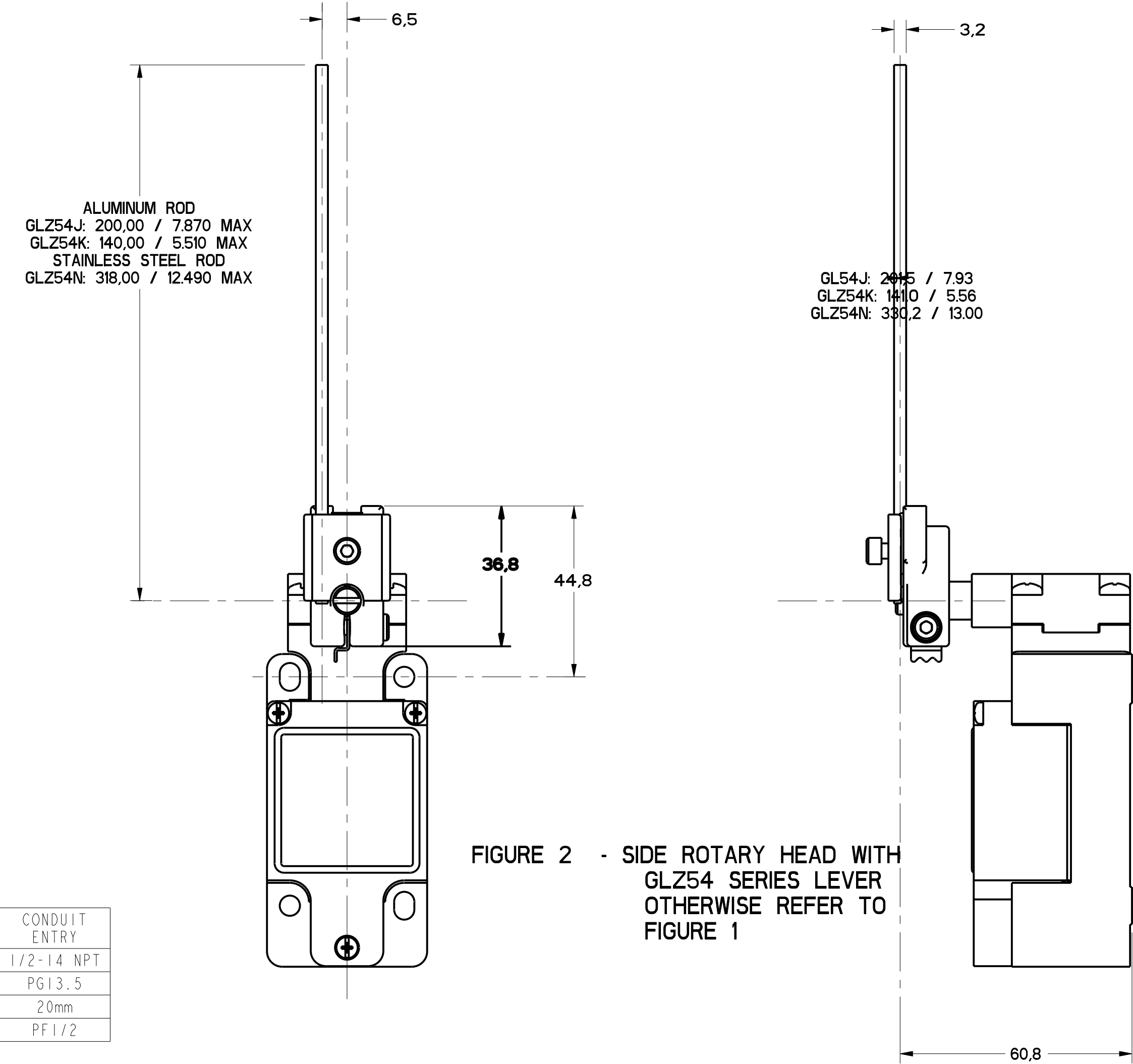


FIGURE 2 - SIDE ROTARY HEAD WITH
GLZ54 SERIES LEVER
OTHERWISE REFER TO
FIGURE 1

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 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

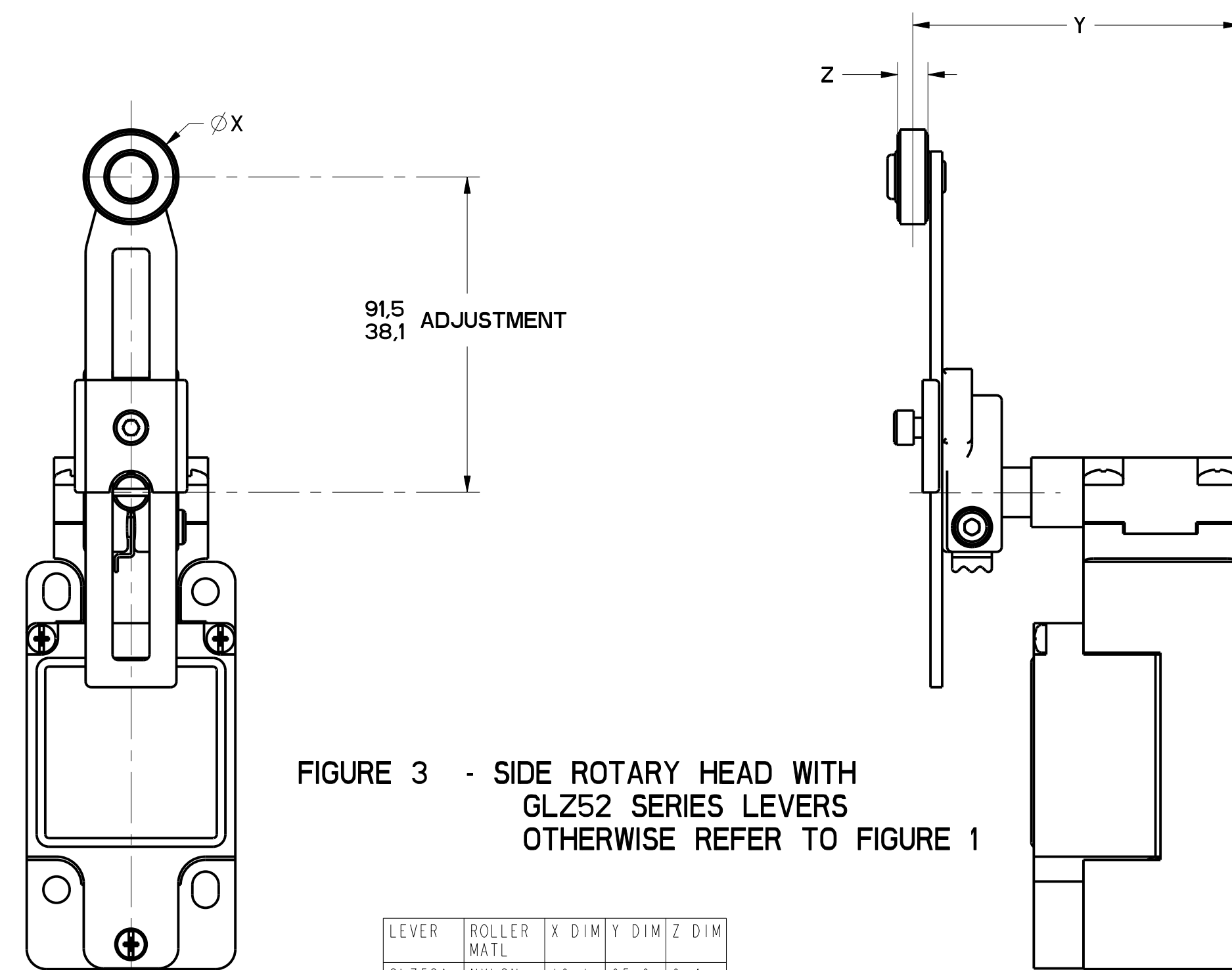


FIGURE 3 - SIDE ROTARY HEAD WITH
GLZ52 SERIES LEVERS
OTHERWISE REFER TO FIGURE 1

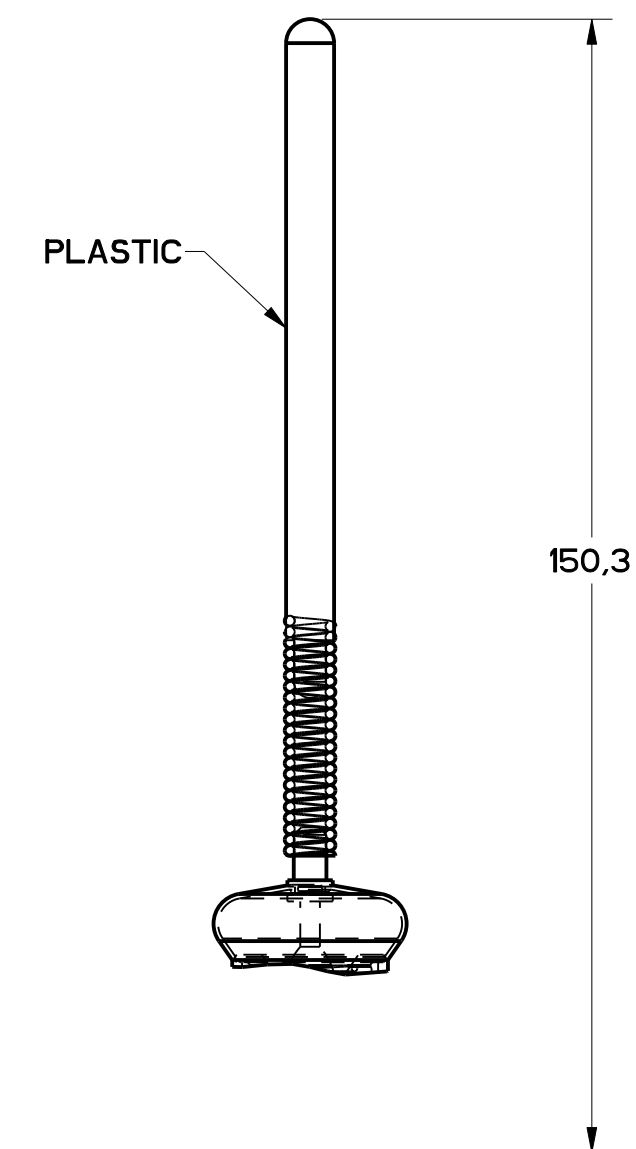
LEVER	ROLLER MATL	X DIM	Y DIM	Z DIM
GLZ52A	NYLON	19, 1 .75	65, 9 2.59	6, 4 .25
GLZ52B	STEEL	19, 1 .75	65, 9 2.59	6, 4 .25
GLZ52D	NYLON	38, 1 1.5	65, 9 2.59	6, 4 .25
GLZ52E	NYLON	19, 1 .75	79, 37 3.125	33, 07 1.300
GLZ52W	RUBBER	40, 0 1.5	71, 5 2.81	12, 7 .5
GLZ52Y	RUBBER	50, 9 2.0	71, 5 2.81	12, 7 .5

- NOTES
- 1 - HEADS MAY BE INDEXED IN 90° INCREMENTS.
 - 2 - LEVERS MAY BE KEYED TO THE SHAFT AT 90° INCREMENTS. THEY MAY ALSO BE ATTACHED, BUT NOT KEYED ANYWHERE ON THE SHAFT.
 - 3 - FOR ADDITIONAL LEVERS SEE "M" DRAWING CHART GLZ5
 - 4  - THE RIGHT INDICATOR IS YELLOW AND INDICATES "OUTPUT STATUS" IT IS ON GLG SERIES PRODUCTS ONLY
 - 5  - THE MAXIMUM VOLTAGE, V_o OF GLG SERIES PRODUCTS IS THE MAXIMUM RATED VOLTAGE OF INDICATION LIGHTS
 - 6  - FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041
 - 7  - CAM TRAVEL FOR FIG 9 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 38,1 / 1.50
 - 8 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

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***	IA	N/A	N/A
GL*B***	IB	N/A	N/A
GL*C***	IC	N/A	N/A
GL*D***	ID	N/A	N/A
GL****A1*	I	1	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

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.		
FED. MFG. CODE 91929	SWITCH, ENCLOSED	CATALOG LISTING GL SERIES CHART
		

THIRD ANGLE PROJECTION			
			
SCALE FULL			
DO NOT SCALE PRINT			
TOLERANCES APPLY TO DESIGN UNITS, CONVERSIONS ARE ONLY FOR INFORMATION - UNLESS NOTED, TOLERANCES ARE:			
	DIM X X .1 X .1 X	TOL .1 / .125 0.4 / 0.16 .006 / .006 $\pm .006$	DIM X X .1 X .1 X .1 X
			TOL .006 / .006 .006 / .006 .006 / .006 .006 / .006
NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES			
SI METRIC		US CUSTOMARY	
DESIGN UNITS 			
WEIGHT			



Technical drawing of a long, thin, tapered rod. The drawing includes dimension lines indicating a diameter of $\varnothing 1,3$ and a length of 165,1. The rod has a threaded section near the base and a flared base.

Technical drawing of a screwdriver. The drawing shows the handle, the neck, and the blade. A dimension line on the right side indicates a length of 139,7.

Technical drawing of a screwdriver. The shaft diameter is indicated as $\varnothing 1,2$. The total length is indicated as 190.5.

CABLE

153,5

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

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.		<table border="1"> <tr> <td>QTY</td> <td>TOL</td> <td>QTY</td> <td>TOL</td> </tr> <tr> <td>NO PLACES</td> <td>0.001</td> <td>1.00</td> <td>0.001</td> </tr> <tr> <td>ONE PLACE</td> <td>0.01</td> <td>1.00</td> <td>0.001</td> </tr> <tr> <td>TWO PLACES</td> <td>0.01</td> <td>1.00</td> <td>0.001</td> </tr> <tr> <td>THREE PLACES</td> <td>0.01</td> <td>1.00</td> <td>0.001</td> </tr> <tr> <td>ANGLES</td> <td>0.01</td> <td>1.00</td> <td>0.001</td> </tr> </table>		QTY	TOL	QTY	TOL	NO PLACES	0.001	1.00	0.001	ONE PLACE	0.01	1.00	0.001	TWO PLACES	0.01	1.00	0.001	THREE PLACES	0.01	1.00	0.001	ANGLES	0.01	1.00	0.001
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ANGLES	0.01	1.00	0.001																								
FED. MFG. CODE 91929	CATALOG LISTING	<table border="1"> <tr> <td>DESIGN UNITS</td> <td>☒</td> <td>US CUSTOMARY</td> <td>☐</td> </tr> </table>		DESIGN UNITS	☒	US CUSTOMARY	☐																				
DESIGN UNITS	☒	US CUSTOMARY	☐																								
MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED	GL SERIES CHART 2																									
		WEIGHT																									



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  LB	MAXIMUM DISCONNECT FORCE  LB	MAX OPERATE VEL  in/s **	MIN OPERATE VEL  in/s **	MAX OPERATE FREQUENCY OPS/MIN
GL**02A*	Snap - Action Contacts Single Pole 	02056** 21-2213-14 >< 12 DIFFERENTIAL TRAVEL	9.72.2	11.42.6	.8533.5	8.5.33	250

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.					
FED. MFG. CODE 91929		CATALOG LISTING		DIM mm TOL mm X .075 / .04 ONE PLACE X X .04 / .018 NO PLACES X.XT .015 / .008 THREE PLACES ANGLES ± SI METRIC DIM in TOL in X .003 / .002 ONE PLACE X.XT .003 / .0015 THREE PLACES ANGLES ± US CUSTOMARY	
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED		GL SERIES CHART 2	
				DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY	
				WEIGHT	

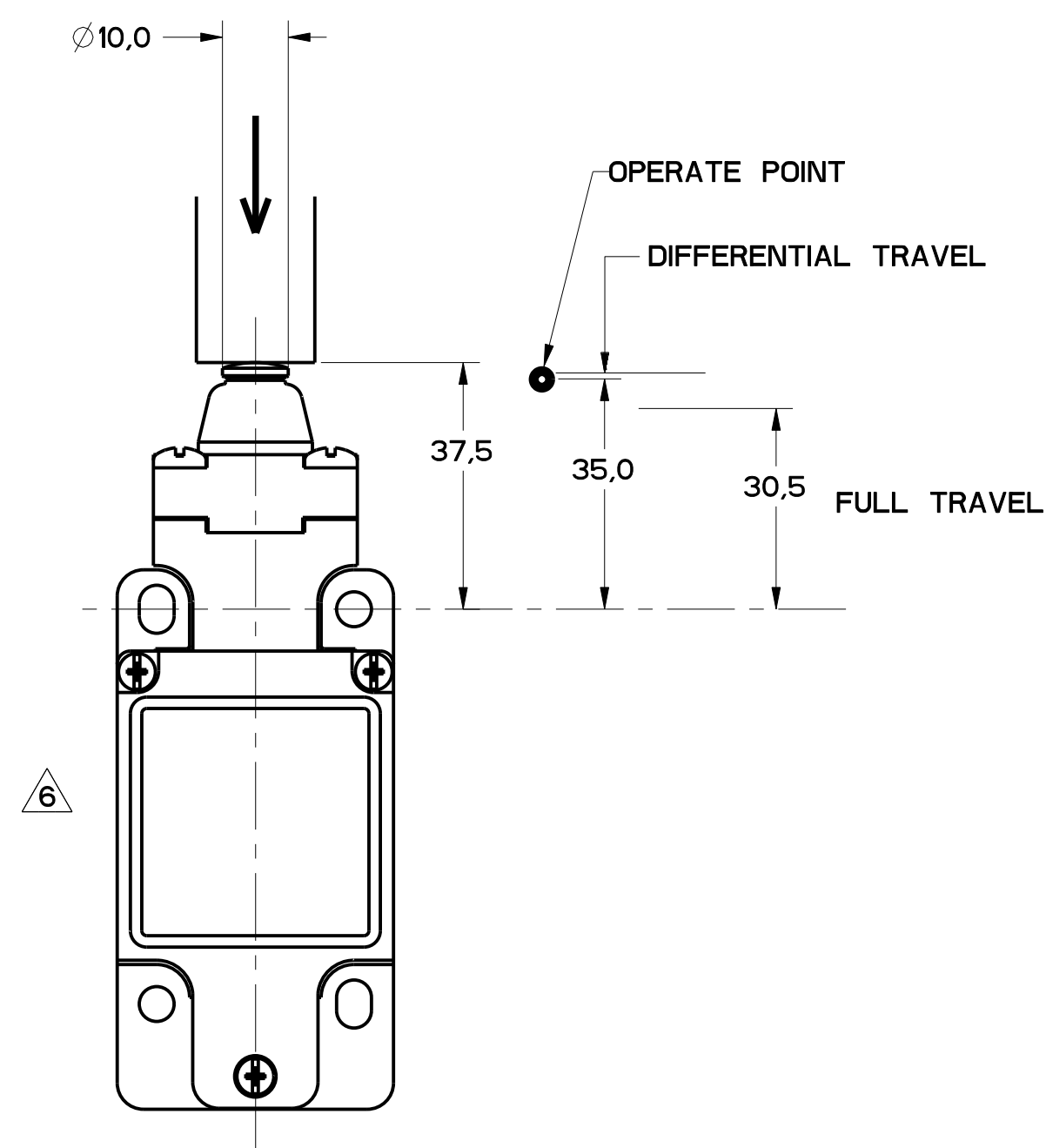


FIGURE 11

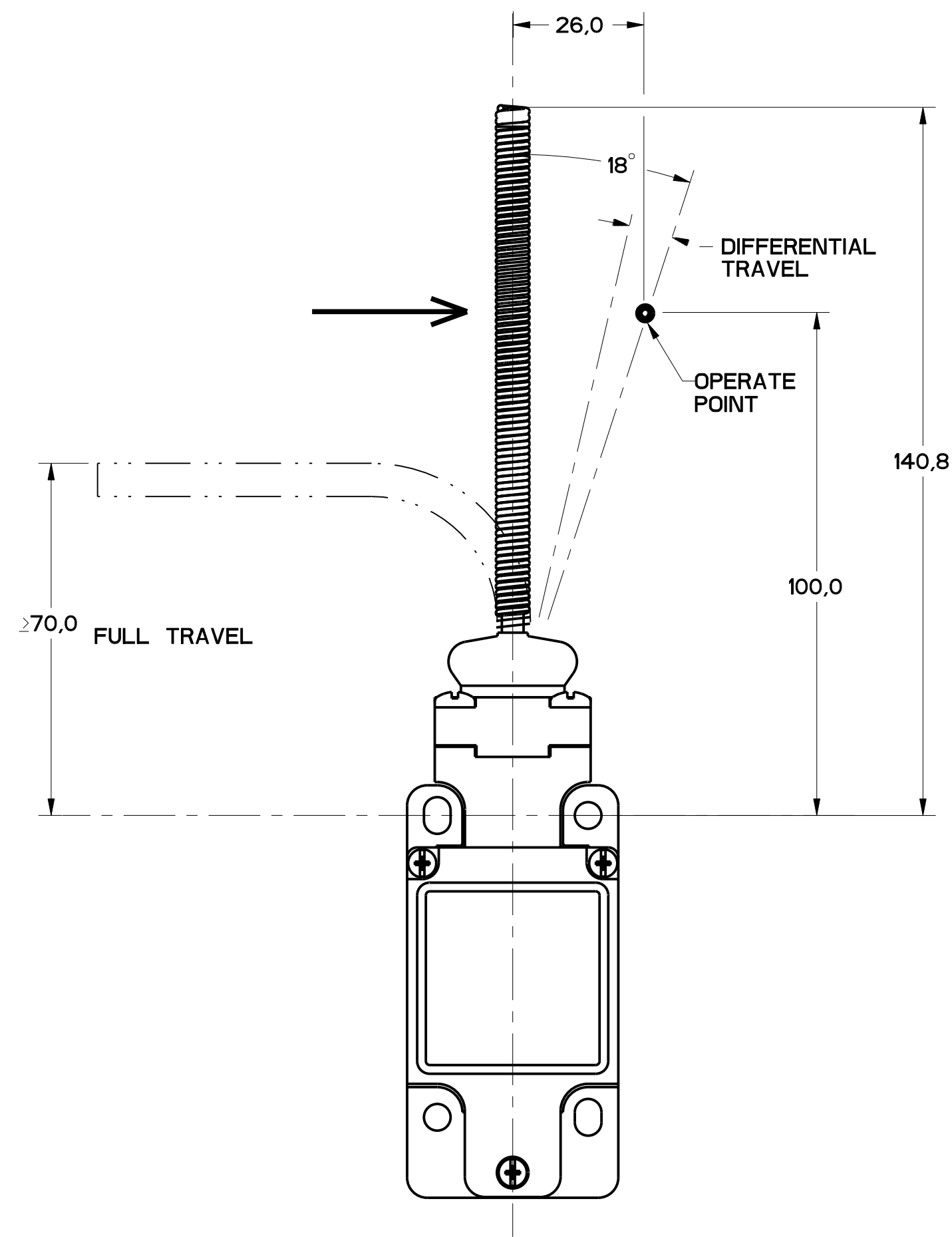


FIGURE 12

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 N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL mm/S in/S
GL**02B	SNAP - ACTION CONTACTS SINGLE POLE 	 0.9 DIFFERENTIAL TRAVEL	16 3.6	27 6.0	0.1 3.9	1.0 .04

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 m LB/in	MAXIMUM DISCONNECT TORQUE m LB/in	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 8° DIFFERENTIAL TRAVEL	0.2 1.8	N/A	360	8

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 N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S in/S	MIN OPERATE VEL mm/S in/S
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 12 DIFFERENTIAL TRAVEL	2.5 0.6	N/A	.5 19.7	11 .43

REVISIONS	
A	01/85 18529
B	01/85 20 JAN 84
C	01/85 20 JAN 84
D	01/85 20 JAN 84
E	01/85 20 JAN 84
F	01/85 20 JAN 84
G	01/85 20 JAN 84
H	01/85 20 JAN 84
I	01/85 20 JAN 84
J	01/85 20 JAN 84
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R	01/85 20 JAN 84
S	01/85 20 JAN 84
T	01/85 20 JAN 84
U	01/85 20 JAN 84
V	01/85 20 JAN 84
W	01/85 20 JAN 84
X	01/85 20 JAN 84
Y	01/85 20 JAN 84
Z	01/85 20 JAN 84

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

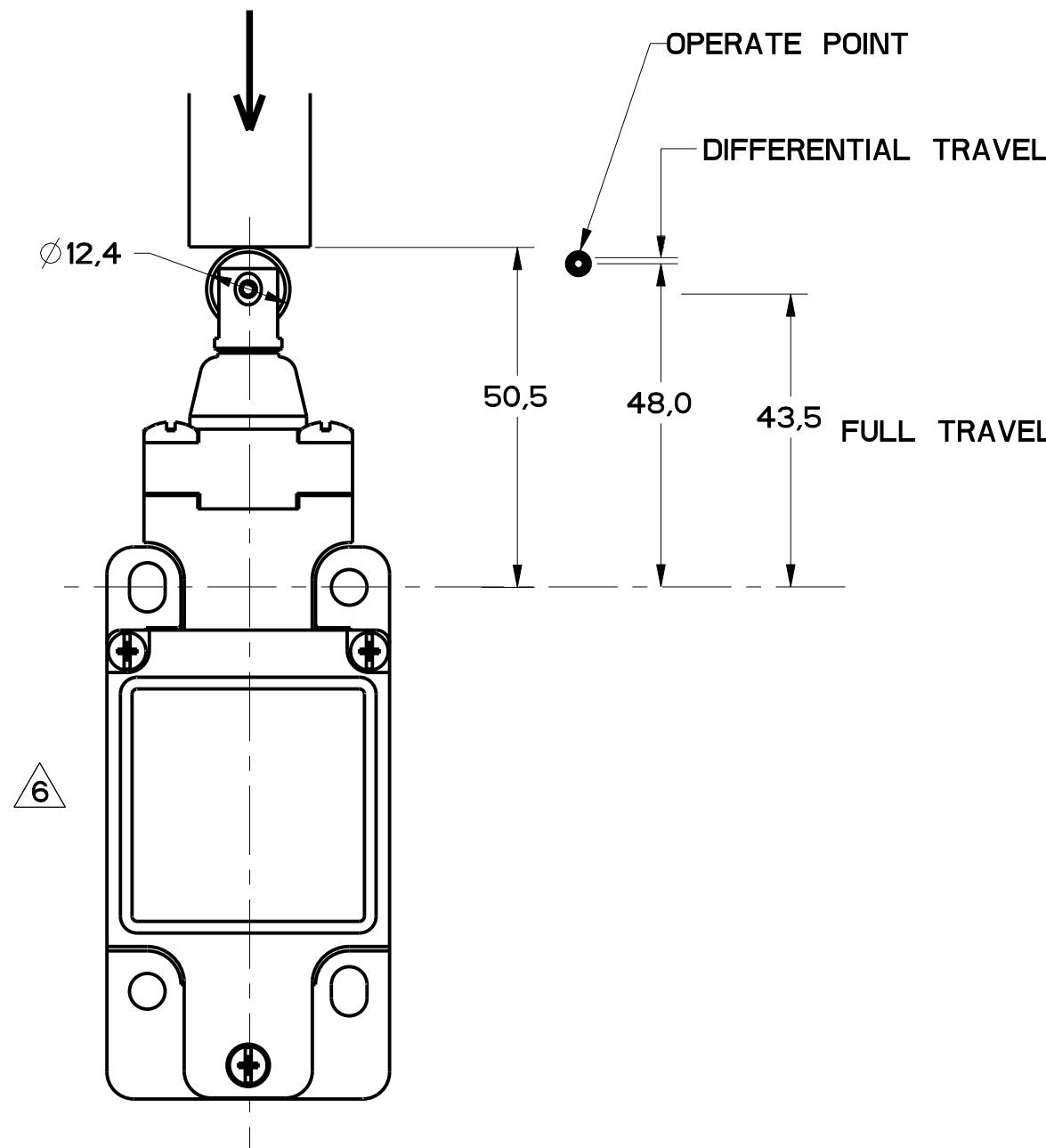


FIGURE 13A

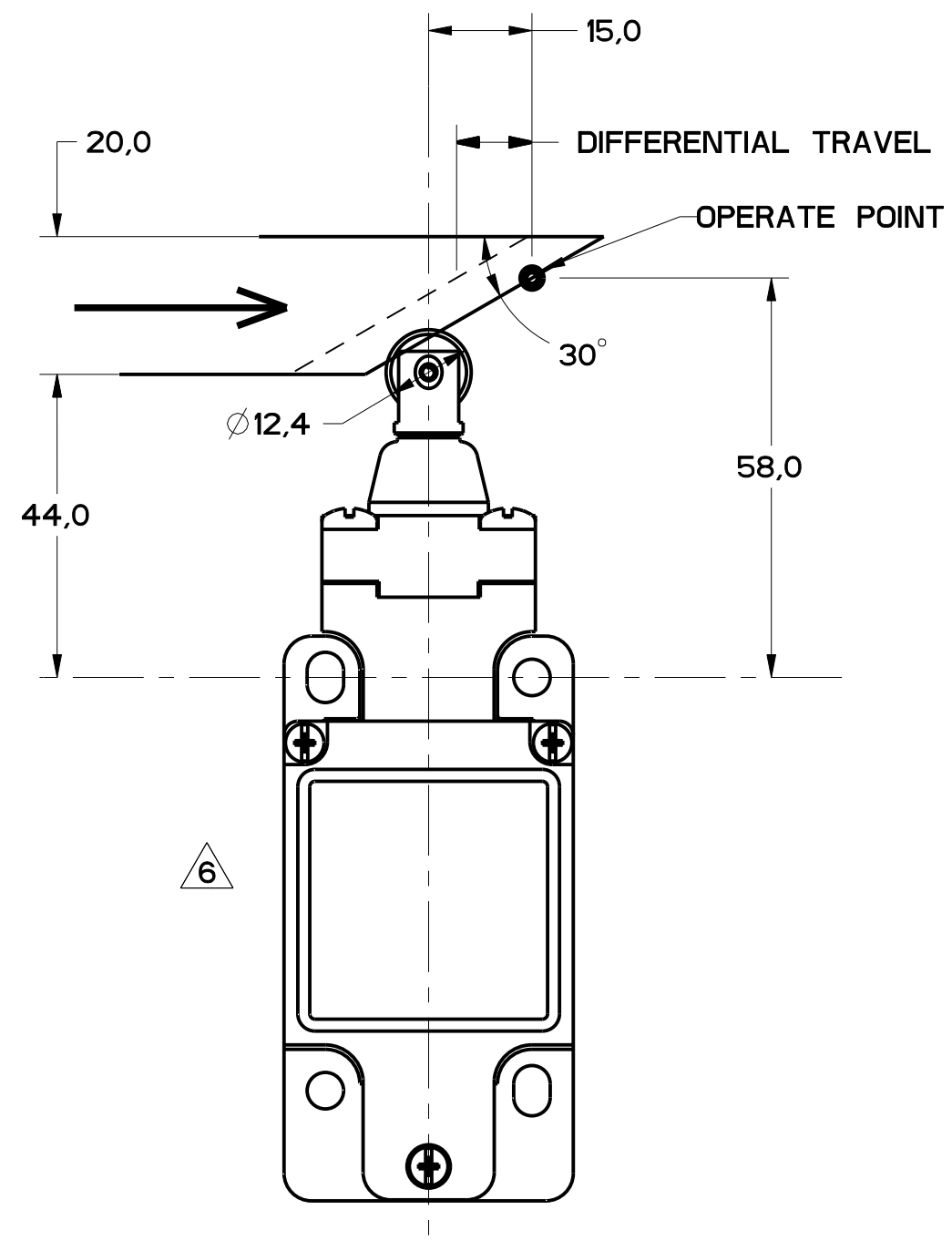


FIGURE 13B

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	0.05
ONE PLACE	X.X	0.0156	0.4	0.0125
TWO PLACES	X.XX	0.00156	0.05	0.00125
THREE PLACES	X.XXX	0.000156	0.005	0.000125

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

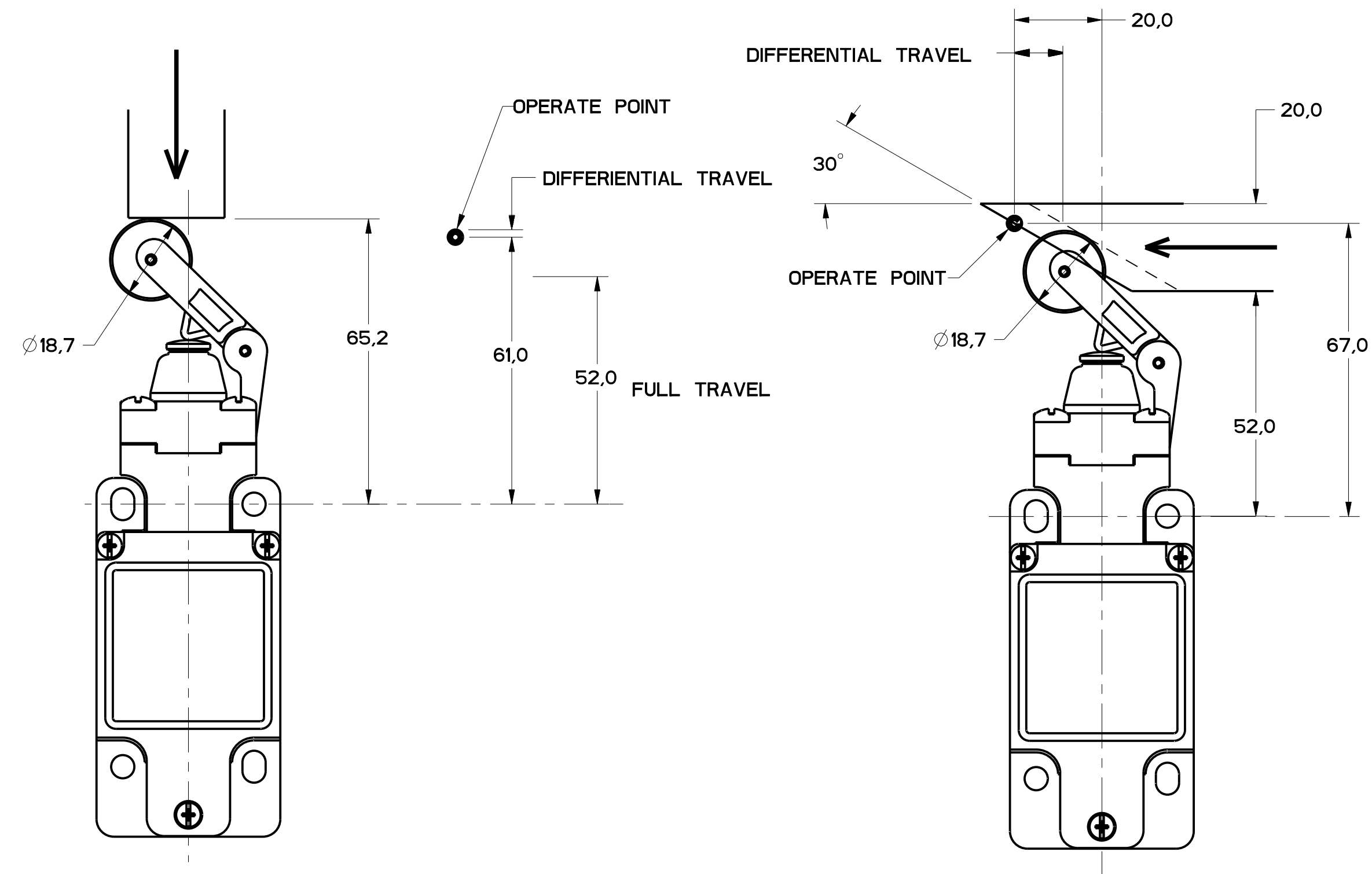


FIGURE 14A

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

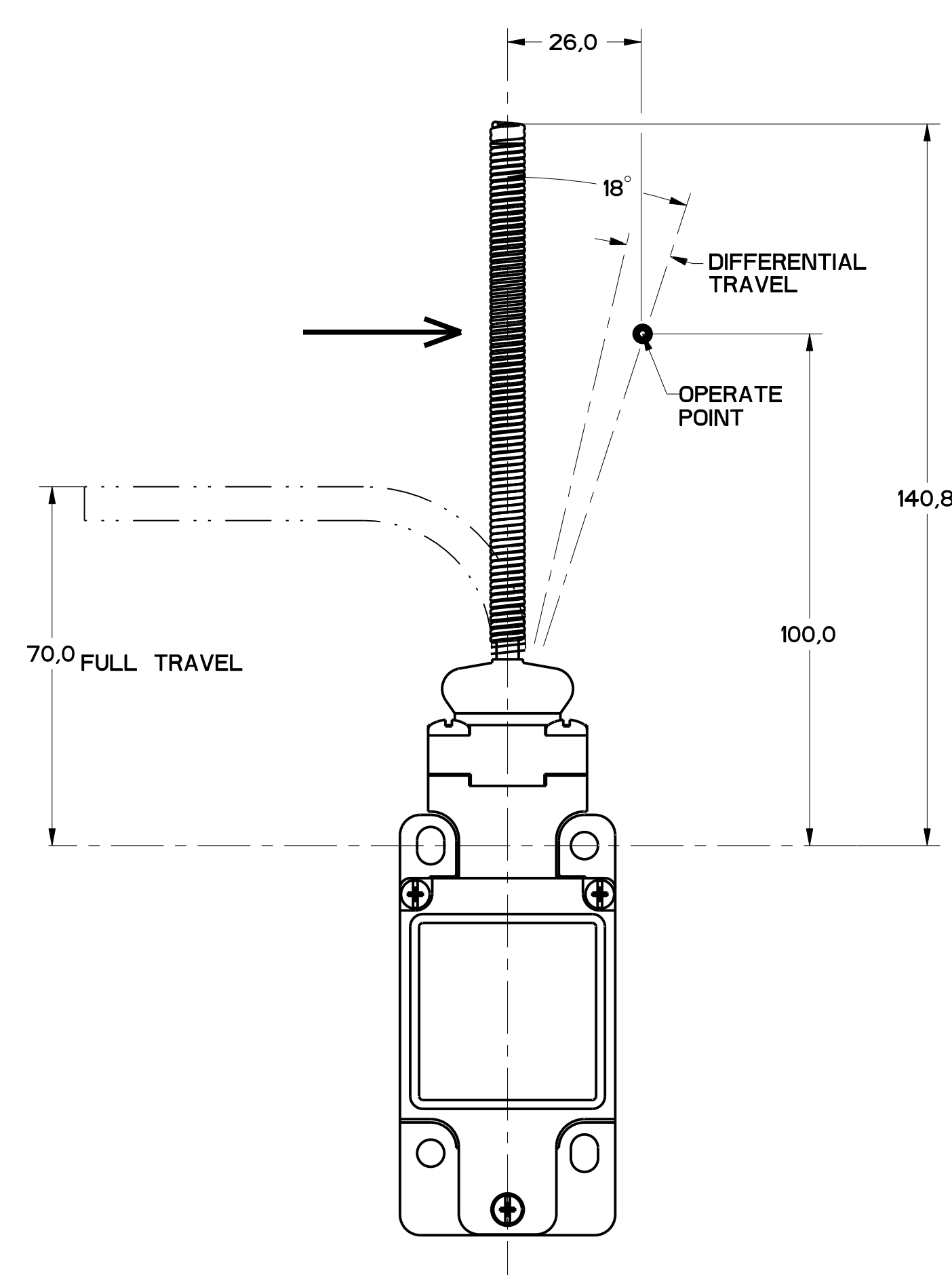


FIGURE 15

FIGURE 15, CAT WISKER HEAD, ANGULAR ACTUATION						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, DIFFERENTIAL TRAVEL	MAXIMUM OPERATING TORQUE LB-IN	MAXIMUM DISCONNECT TORQUE LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 	 21-22 13-14 18° 8° DIFFERENTIAL TRAVEL	0.1 .9	N/A	360	8

FIGURE 15, CAT WISKER HEAD, SIDE ACTUATION AT 100mm						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, DIFFERENTIAL TRAVEL	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL IN/S	MIN OPERATE VEL IN/S
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 	 21-22 13-14 26 12 DIFFERENTIAL TRAVEL	1.3 .3	N/A	.5 19.7	11 .43