

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

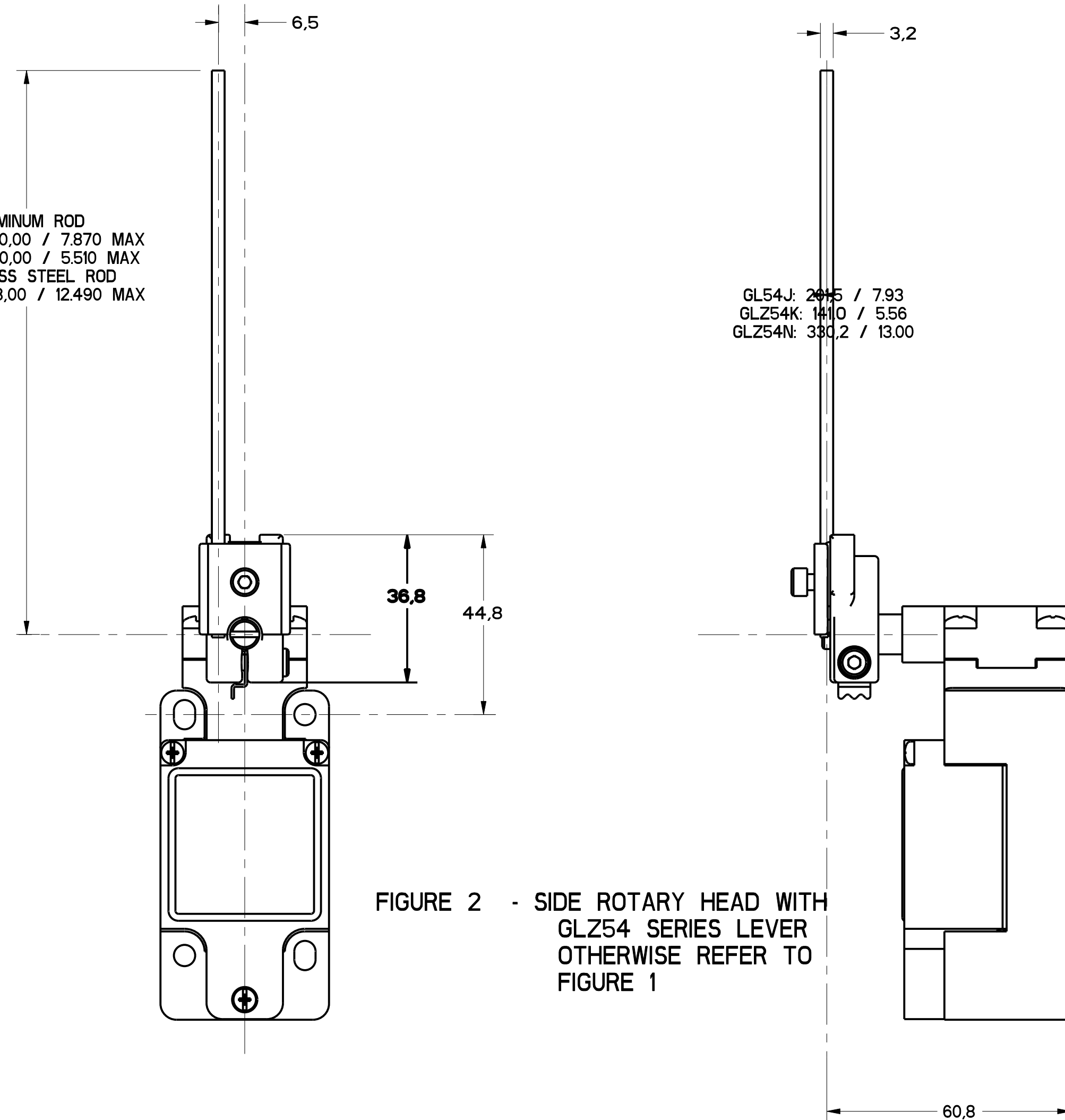


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

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	
Ue	Ie	Ue	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

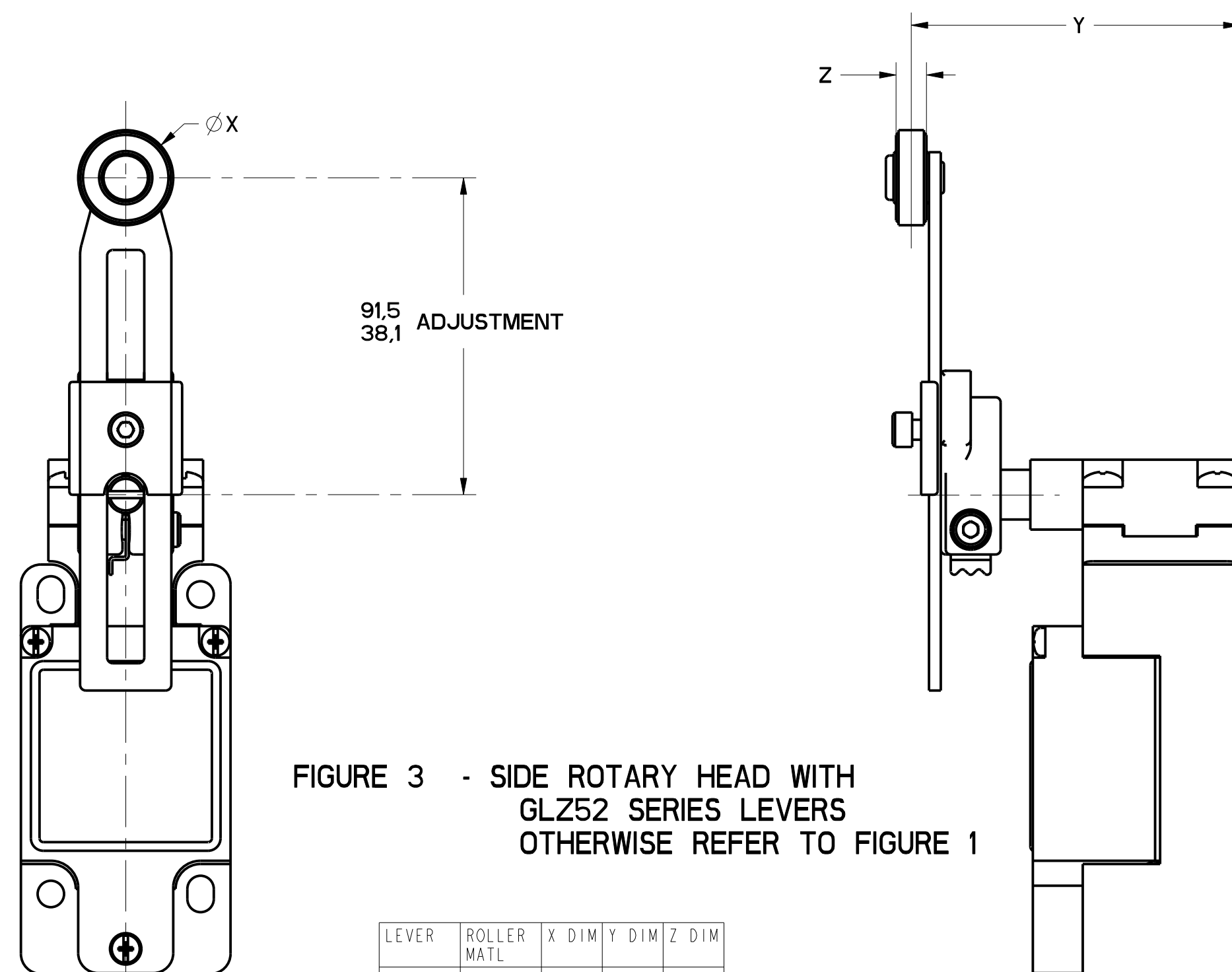


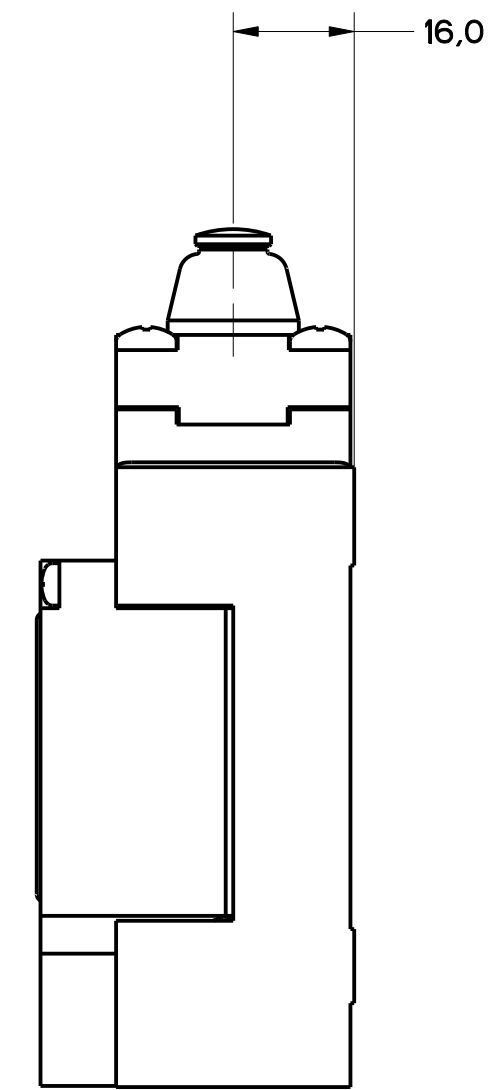
FIGURE 3 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS OTHERWISE REFER TO FIGURE 1

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
GLA***	1A	N/A	N/A
GLB***	1B	N/A	N/A
GLC***	1C	N/A	N/A
GLD***	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

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.		CATALOG LISTING	
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	INCH	TOL.	INCH
ONE PLACE	X.X	0.01/0.05	0.001/0.005
TWO PLACES	X.XX	0.001/0.005	0.0001/0.0005
THREE PLACES	X.XXX	0.0001/0.0005	0.00001/0.00005
ANGLES	DEG.	±0.05	±0.05
SI METRIC		US CUSTOMARY	
DESIGN UNITS		WEIGHT	

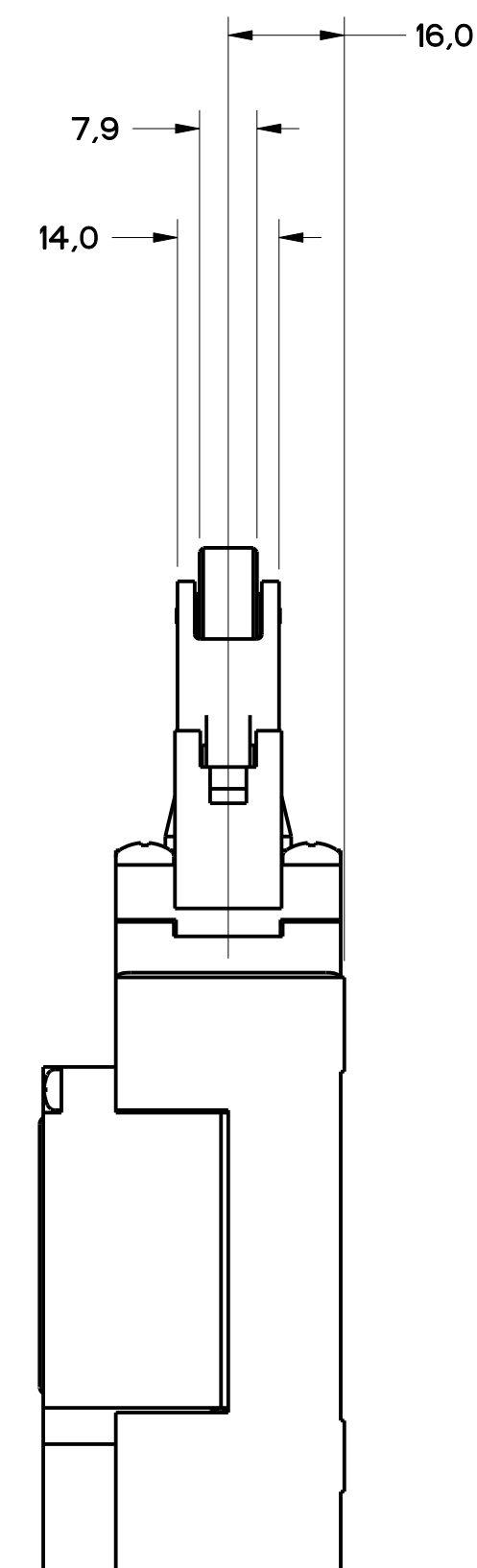


STEEL ROLLER

Ø 12,4

50,5

Technical drawing of a lamp head (Lampenkopf) showing a side view. The drawing includes two dimension lines: a horizontal one at the top labeled '16,0' and a vertical one on the left labeled '4,7'. The lamp head features a central vertical rod with a small rectangular component at the top, a conical base, and a series of horizontal ridges or steps. A large rectangular component is attached to the side of the main body.



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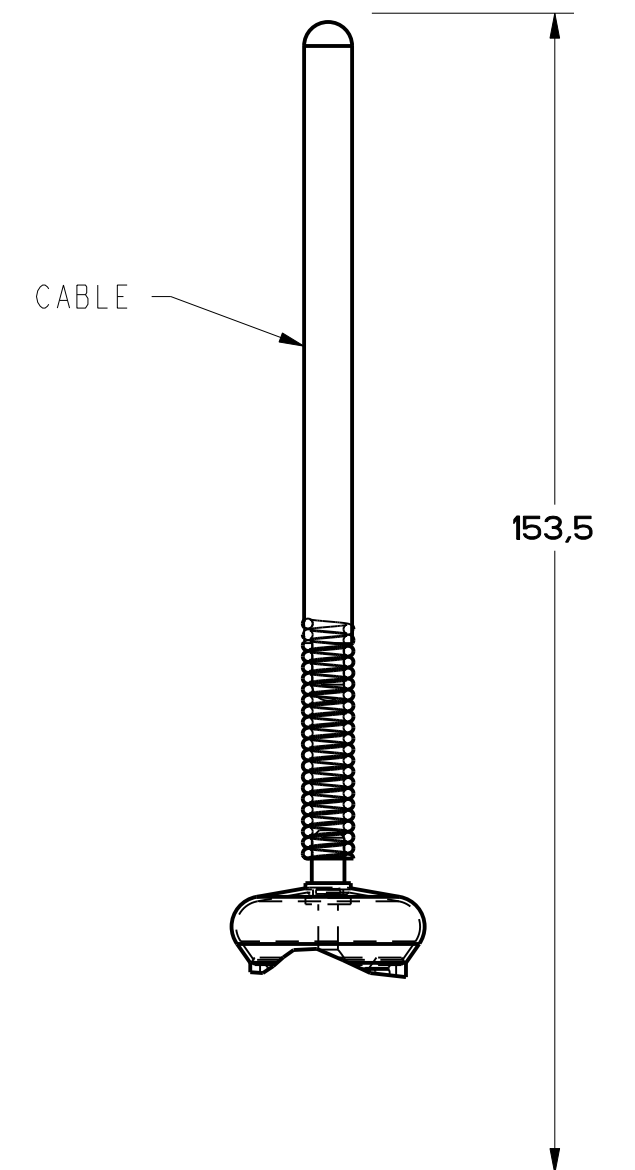
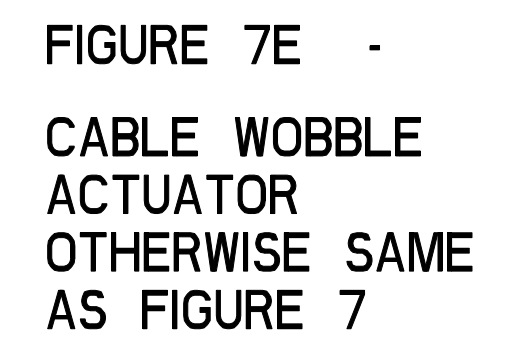
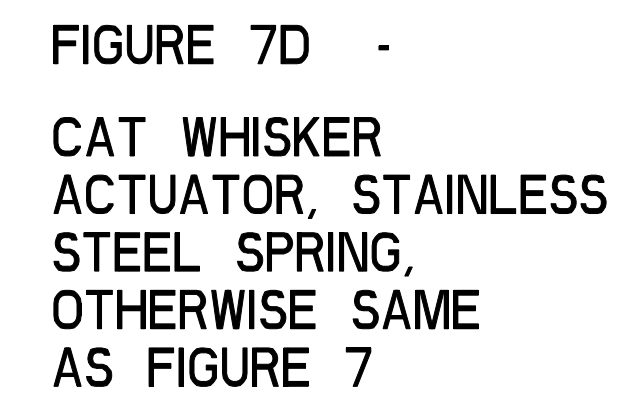
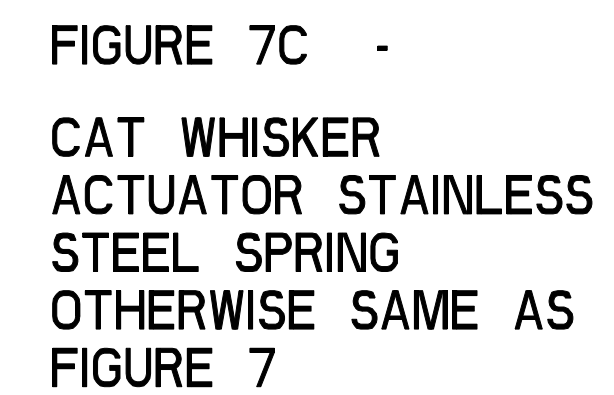
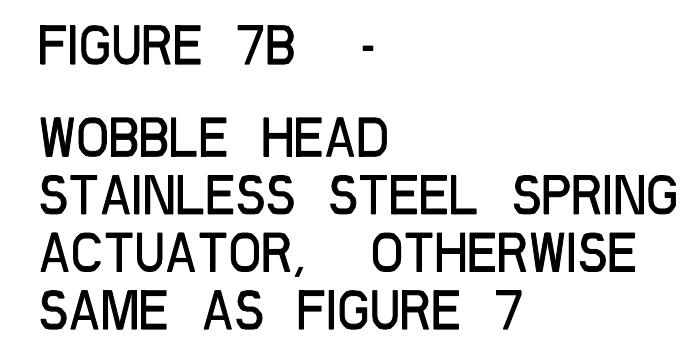
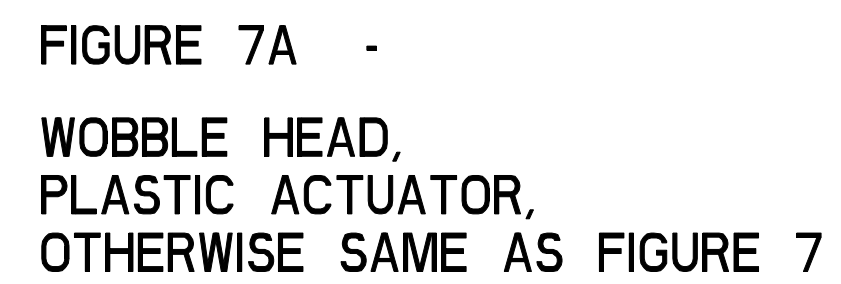


FIGURE 7 - WOBBLE HEAD, AND CAT WHISKER HEAD
COIL ACTUATOR,
OTHERWISE REFER TO
FIGURE 1

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SWITCH, ENCLOSED

GL SERIES CHART 2

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6000000	± 0.00015	6000001 - 12000000	± 0.00010	12000001 - 25000000	± 0.000075	25000001 - 60000000	± 0.000050	60000001 - 120000000	± 0.000030	120000001 - 250000000	± 0.000020	250000001 - 600000000	± 0.000015	600000001 - 1200000000	± 0.000010	1200000001 - 2500000000	± 0.0000075	2500000001 - 6000000000	± 0.0000050	6000000001 - 12000000000	± 0.0000030	12000000001 - 25000000000	± 0.0000020	25000000001 - 60000000000	± 0.0000015	60000000001 - 120000000000	± 0.0000010	120000000001 - 250000000000	± 0.00000075	250000000001 - 600000000000	± 0.00000050	600000000001 - 1200000000000	± 0.00000030	1200000000001 - 2500000000000	± 0.00000020	2500000000001 - 6000000000000	± 0.00000015	6000000000001 - 12000000000000	± 0.00000010	12000000000001 - 25000000000000	± 0.000000075	25000000000001 - 60000000000000	± 0.000000050	60000000000001 - 120000000000000	± 0.000000030	120000000000001 - 250000000000000	± 0.000000020	250000000000001 - 600000000000000	± 0.000000015	600000000000001 - 1200000000000000	± 0.000000010	1200000000000001 - 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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 947-5-1 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 		$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$	$\frac{.85}{33.5}$	$\frac{8.5}{.33}$	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.		<table><tr><td>DIM</td><td>TOL</td><td>DIM</td><td>TOL</td></tr><tr><td>mm</td><td>mm</td><td>mm</td><td>mm</td></tr></table>		DIM	TOL	DIM	TOL	mm	mm	mm	mm												
DIM	TOL	DIM	TOL																				
mm	mm	mm	mm																				
FED. MFG. CODE 91929		<table><tr><td>NO PLACES</td><td>2</td><td>1 / 64</td><td>1.5</td></tr><tr><td>ONE PLACE</td><td>X .8</td><td>0 .41 / 0.16</td><td>0.8 / 0.05</td></tr><tr><td>TWO PLACES</td><td>X .3</td><td>0 .15 / 0.05</td><td>0.38 / 0.05</td></tr><tr><td>THREE PLACES</td><td></td><td></td><td>1.13 / .005</td></tr><tr><td>ANGLES</td><td></td><td>± 2°</td><td></td></tr></table>		NO PLACES	2	1 / 64	1.5	ONE PLACE	X .8	0 .41 / 0.16	0.8 / 0.05	TWO PLACES	X .3	0 .15 / 0.05	0.38 / 0.05	THREE PLACES			1.13 / .005	ANGLES		± 2°	
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THREE PLACES			1.13 / .005																				
ANGLES		± 2°																					
MICRO SWITCH a Honeywell Division		CATALOG LISTING																					
		GL SERIES CHART 2																					
SWITCH, ENCLOSED		<table><tr><td>DESIGN UNITS</td><td><table><tr><td>SI METRIC</td><td>☒</td></tr><tr><td>US CUSTOMARY</td><td>☐</td></tr></table></td></tr></table>		DESIGN UNITS	<table><tr><td>SI METRIC</td><td>☒</td></tr><tr><td>US CUSTOMARY</td><td>☐</td></tr></table>	SI METRIC	☒	US CUSTOMARY	☐														
		DESIGN UNITS	<table><tr><td>SI METRIC</td><td>☒</td></tr><tr><td>US CUSTOMARY</td><td>☐</td></tr></table>	SI METRIC	☒	US CUSTOMARY	☐																
SI METRIC	☒																						
US CUSTOMARY	☐																						
WEIGHT																							



FIGURE 12

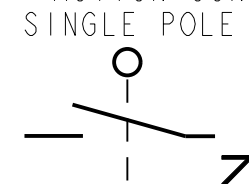
FIGURE 12, WOBBLE HEAD, ANGULAR ACTUATION								
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5	MAXIMUM OPERATING TORQUE N-m LB/in	MAXIMUM DISCONNECT TORQUE N-m LB/in	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S	MAX OPERATE RATE CYCLES/MIN	
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	21-22 13-14 18° 8° DIFFERENTIAL TRAVEL > <	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 $\frac{M}{S}$ $\frac{IN}{S}$	MIN OPERATE VEL $\frac{MM}{S}$ $\frac{IN}{S}$	MAX OPERATE FREQUENCY OPS/MIN
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 12 DIFFERENTIAL TRAVEL	$\frac{2.5}{0.6}$	N/A	$\frac{5}{19.7}$	$\frac{11}{.43}$	100

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FED. MFG. CODE 91929	CATALOG LISTING																										
MICRO SWITCH a Honeywell Division	GL SERIES CHART 2																										
	SWITCH, ENCLOSED																										
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		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

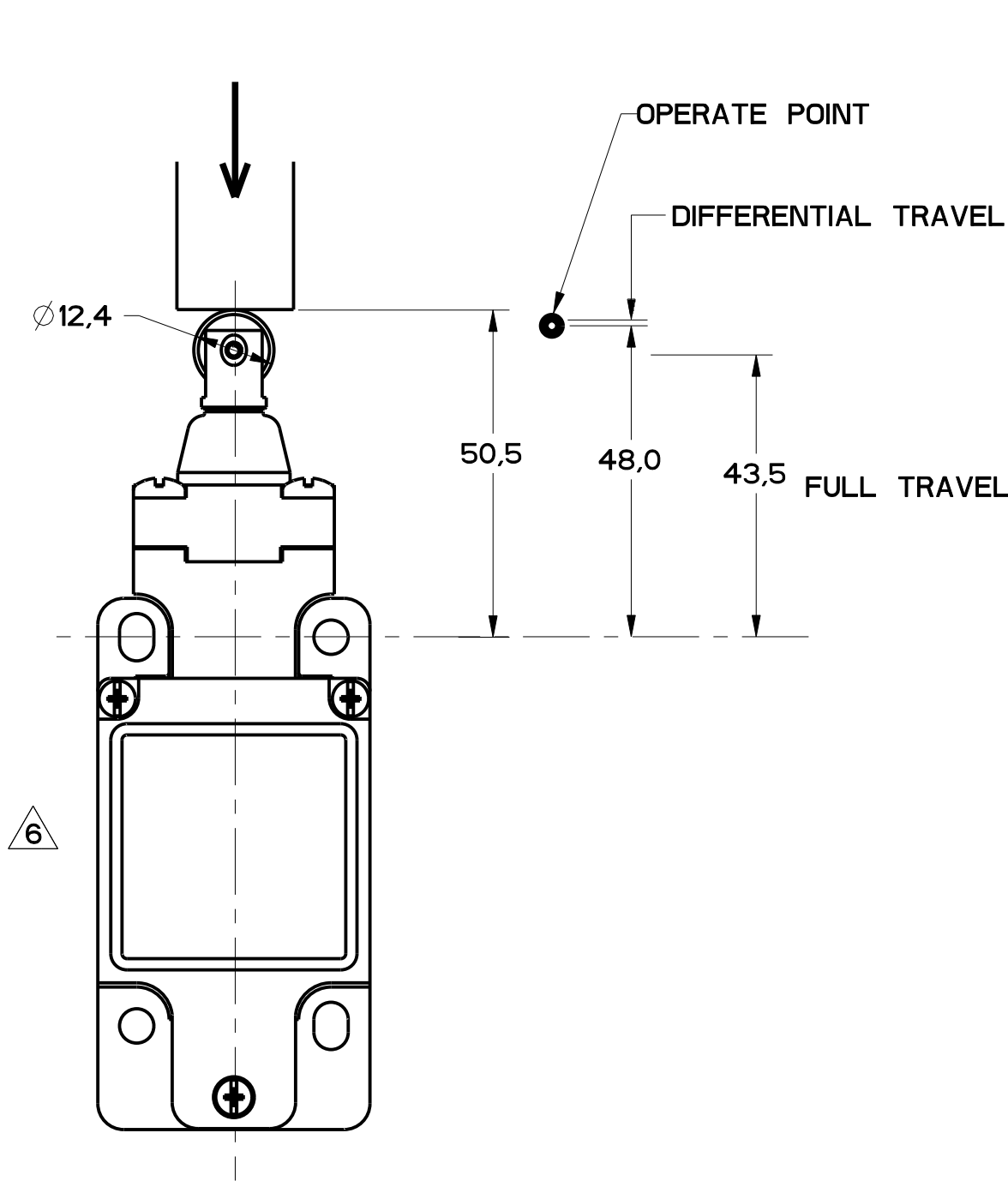


FIGURE 13A

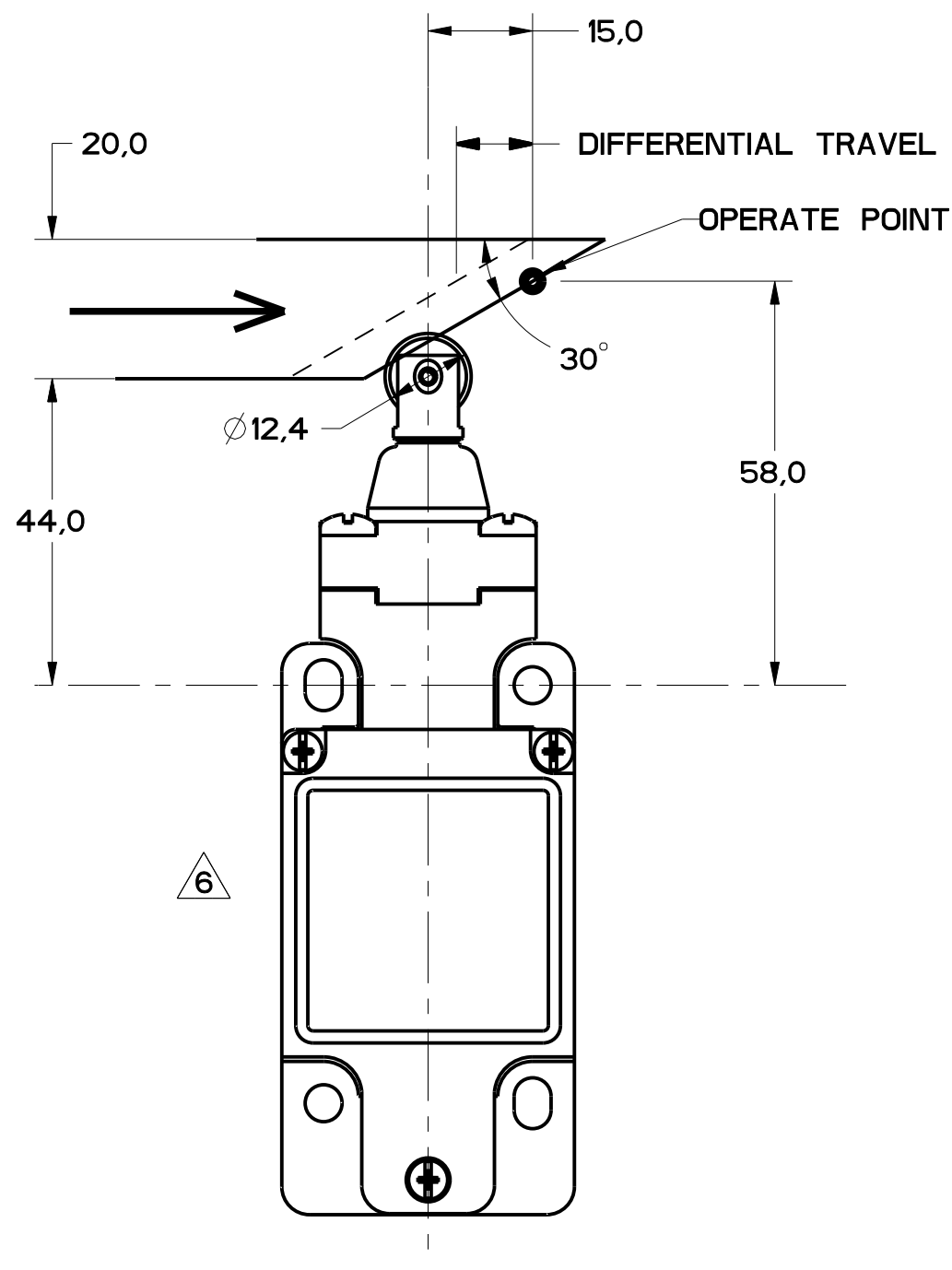


FIGURE 13B

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 1			
NO PLACES ONE PLACES TWO PLACES THREE PLACES ANGLES	SI METRIC X X.X X.XX ±Z	TOL mm 0.04 0.01/0.05 0.15/1.06	US CUSTOMARY X X.X X.XX 0.001 0.005 0.01/0.05 0.15/1.06
DESIGN UNITS X			
WEIGHT			

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



FIGURE 14B

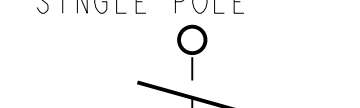
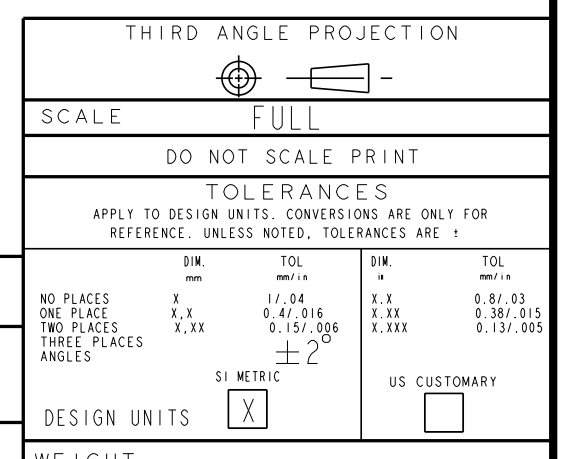
FIGURE 14B, TOP ROLLER LEVER HEAD WITH CAM ACTUATION							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED,  CONTACT OPEN,  - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE  LB	MAXIMUM DISCONNECT FORCE  LB	MAX OPERATE VEL VEL $\frac{in}{s}$	MIN OPERATE VEL VEL $\frac{in}{s}$	MAX OPERATE FREQUENCY OPS/MIN
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 		$\frac{5.5}{1.2}$	$\frac{7.0}{1.6}$	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250

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 LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL in/S	MIN OPERATE VEL in/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 		5.5 1.2	7.0 1.6	0.29 11.4	2.9 11	250



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MICRO SWITCH
a Honeywell Division

SWITCH, ENCLOSED

CATALOG LISTING

GL SERIES CHART 2

ANSI Y14.5M-1982 APPLIES

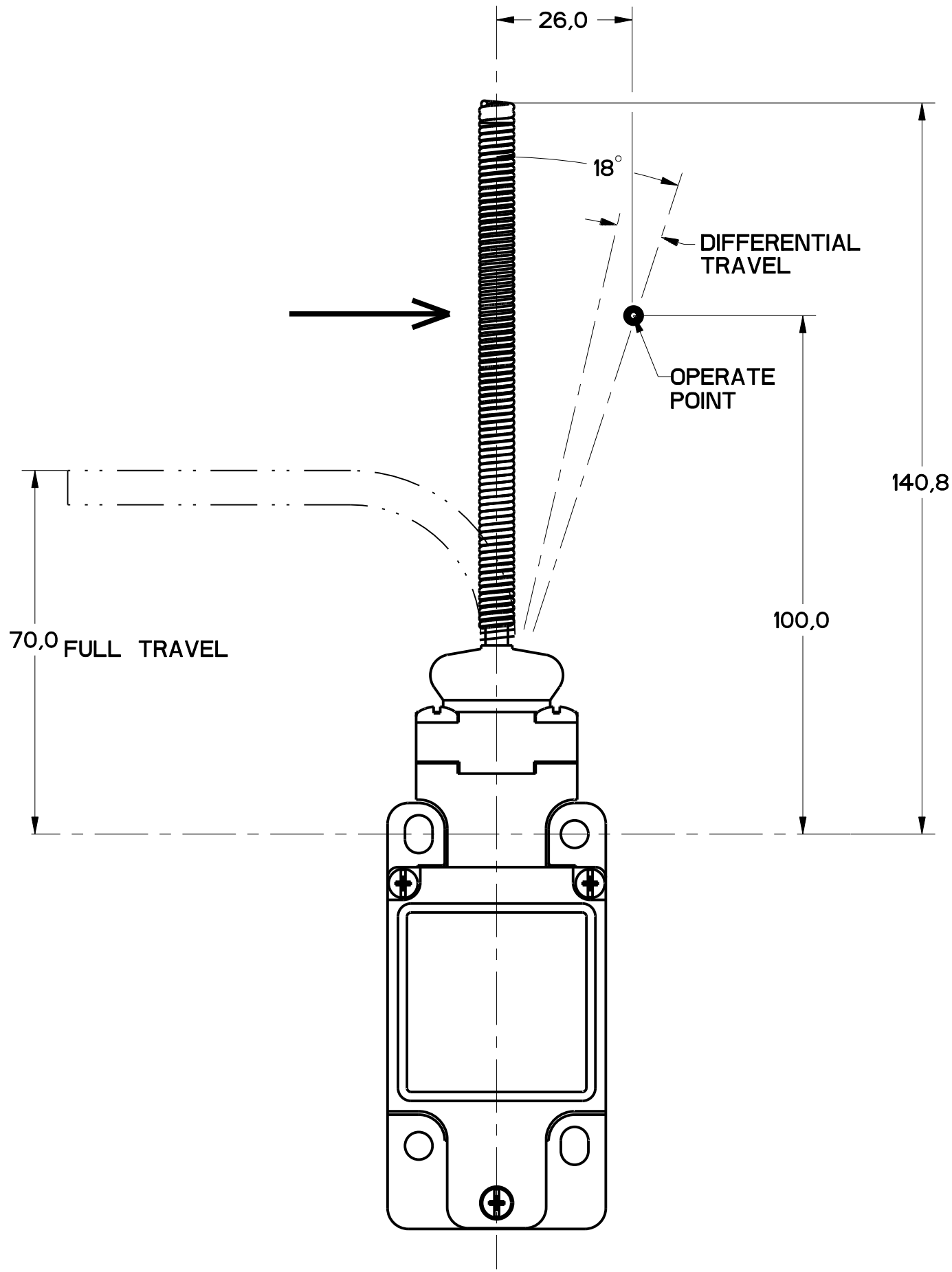


FIGURE 15

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	$\frac{0.1}{.9}$	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	$\frac{1.3}{.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$

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

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