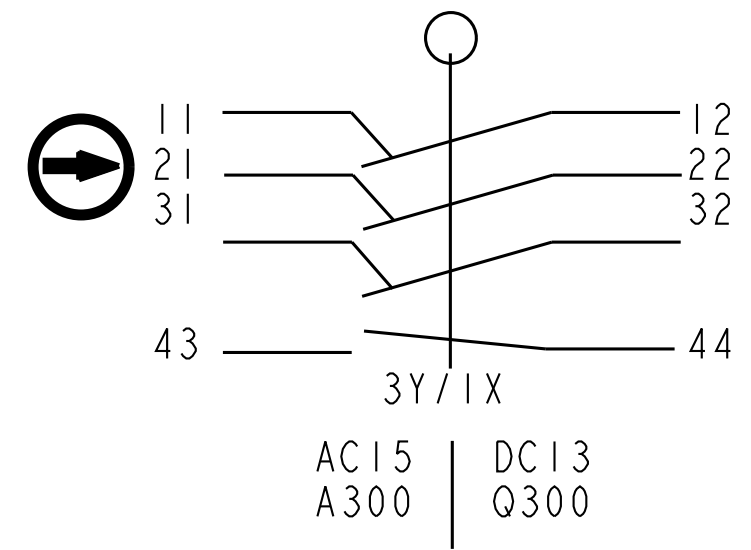
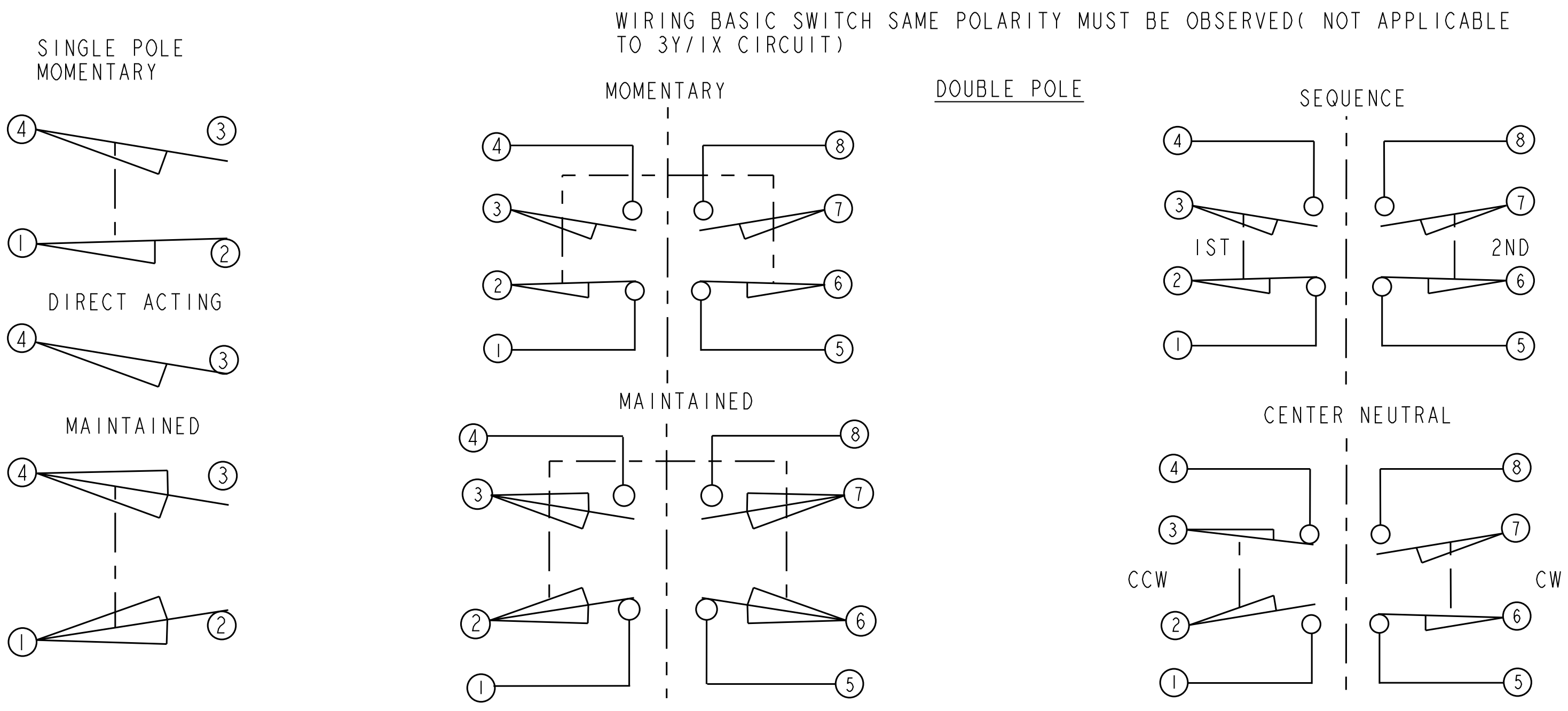




D



ELECTRICAL RATINGS  
10 AMP CONT.

| A.C. VOLTAGE |             |       |             |       | POWER FACTOR |
|--------------|-------------|-------|-------------|-------|--------------|
|              | SINGLE POLE |       | DOUBLE POLE |       |              |
|              | MAKE        | BREAK | MAKE        | BREAK |              |
| 120          | 60          | 6     | 30          | 3     | .35          |
| 240          | 30          | 3     | 15          | 1.5   | .35          |
| 480          | 15          | 1.5   | 7.5         | .75   | .35          |
| 600          | 12          | 1.2   | 6           | .6    | .35          |
| A300/120V    | N/A         | N/A   | 60          | 6     | .30          |
| A300/240V    | N/A         | N/A   | 30          | 3     | .30          |

| D.C. VOLTAGE | MAKE & BREAK INDUCTIVE | RESISTIVE |
|--------------|------------------------|-----------|
| 120          | 0.25                   | 0.80      |
| 240          | 0.15                   | 0.40      |
| Q300/125V    | 0.55                   | N/A       |
| Q300/250V    | 0.27                   | N/A       |

D

C

C

B

B

A

A

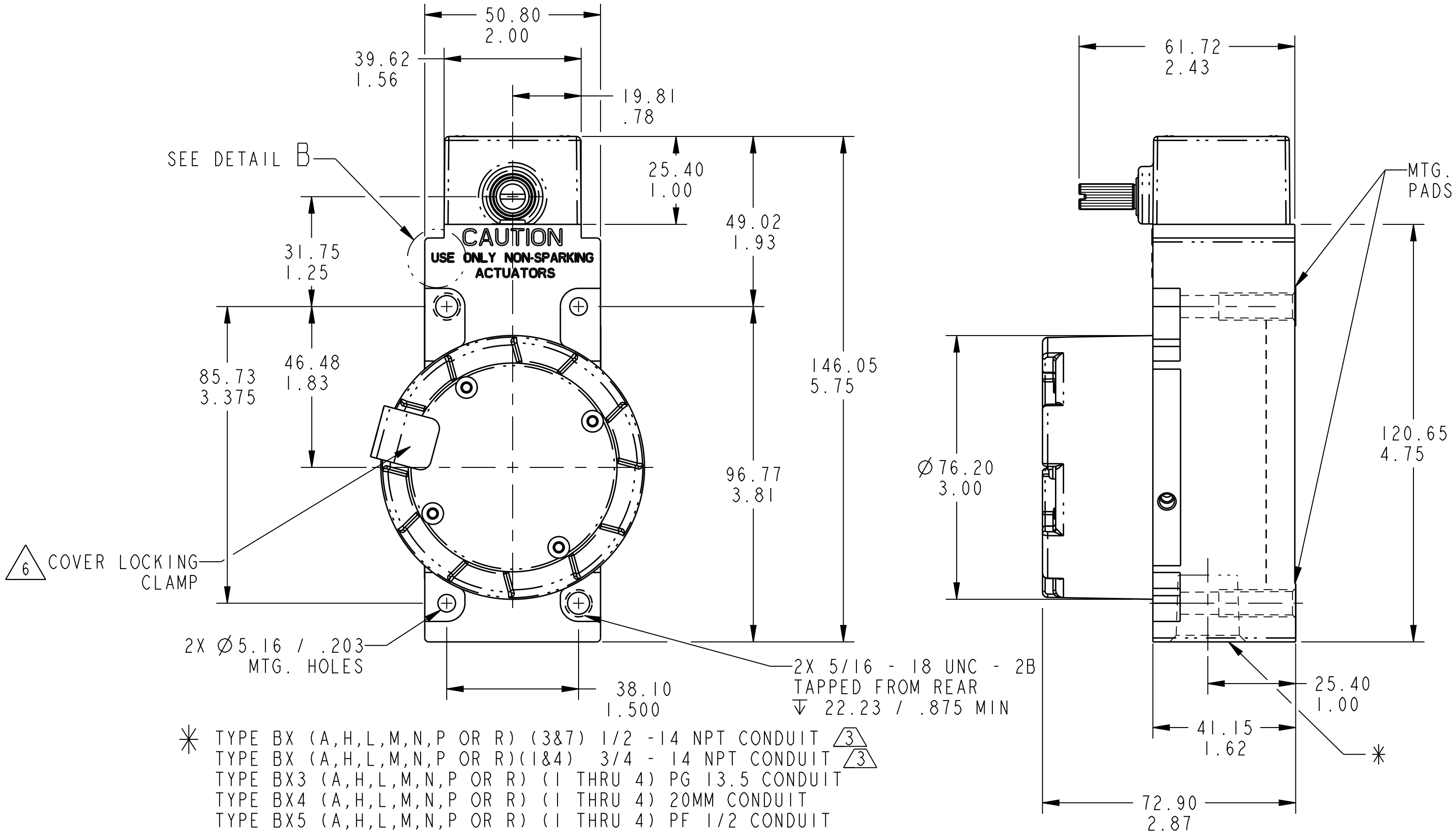
D

C

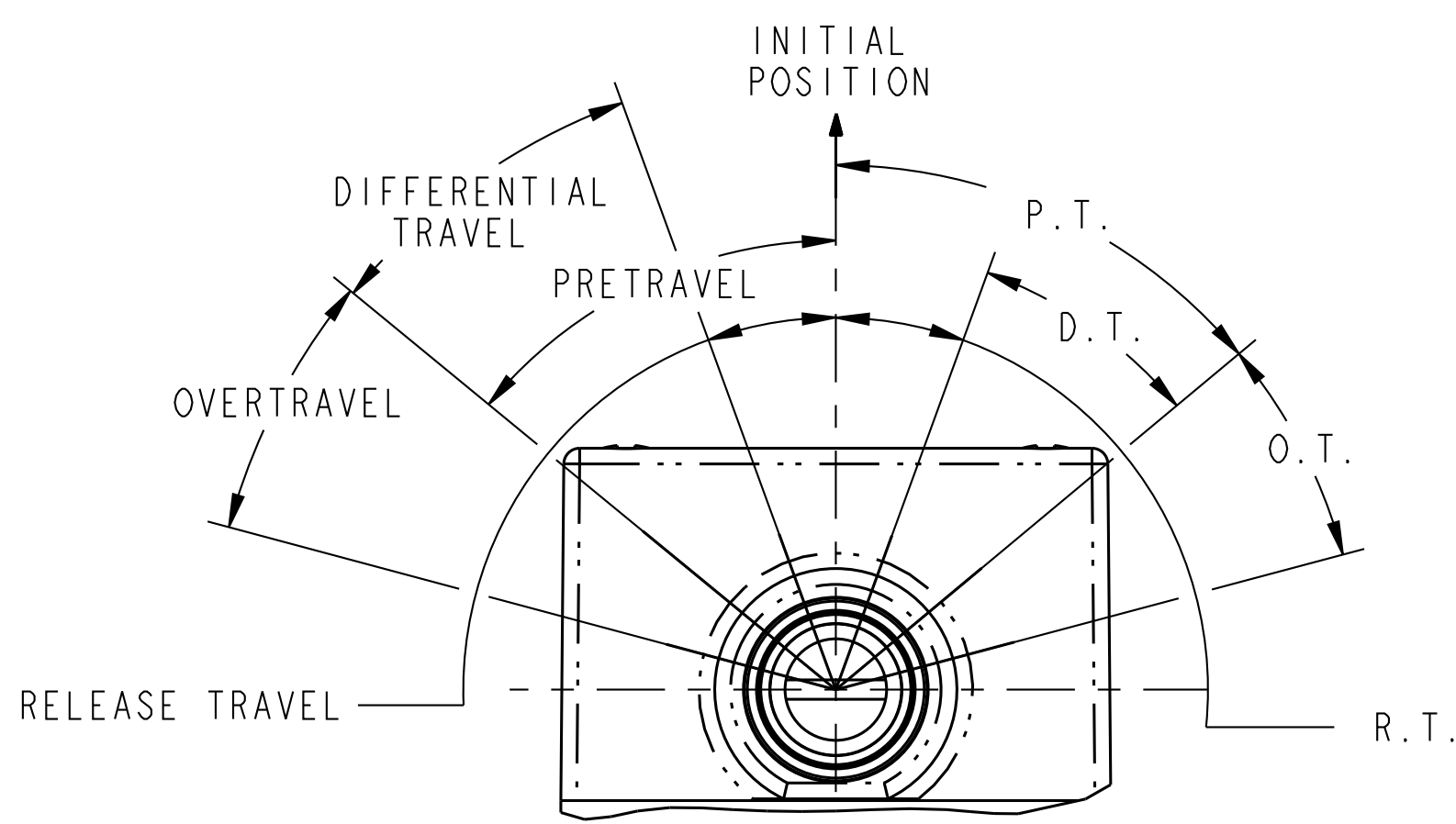
B

A

SIDE ROTARY

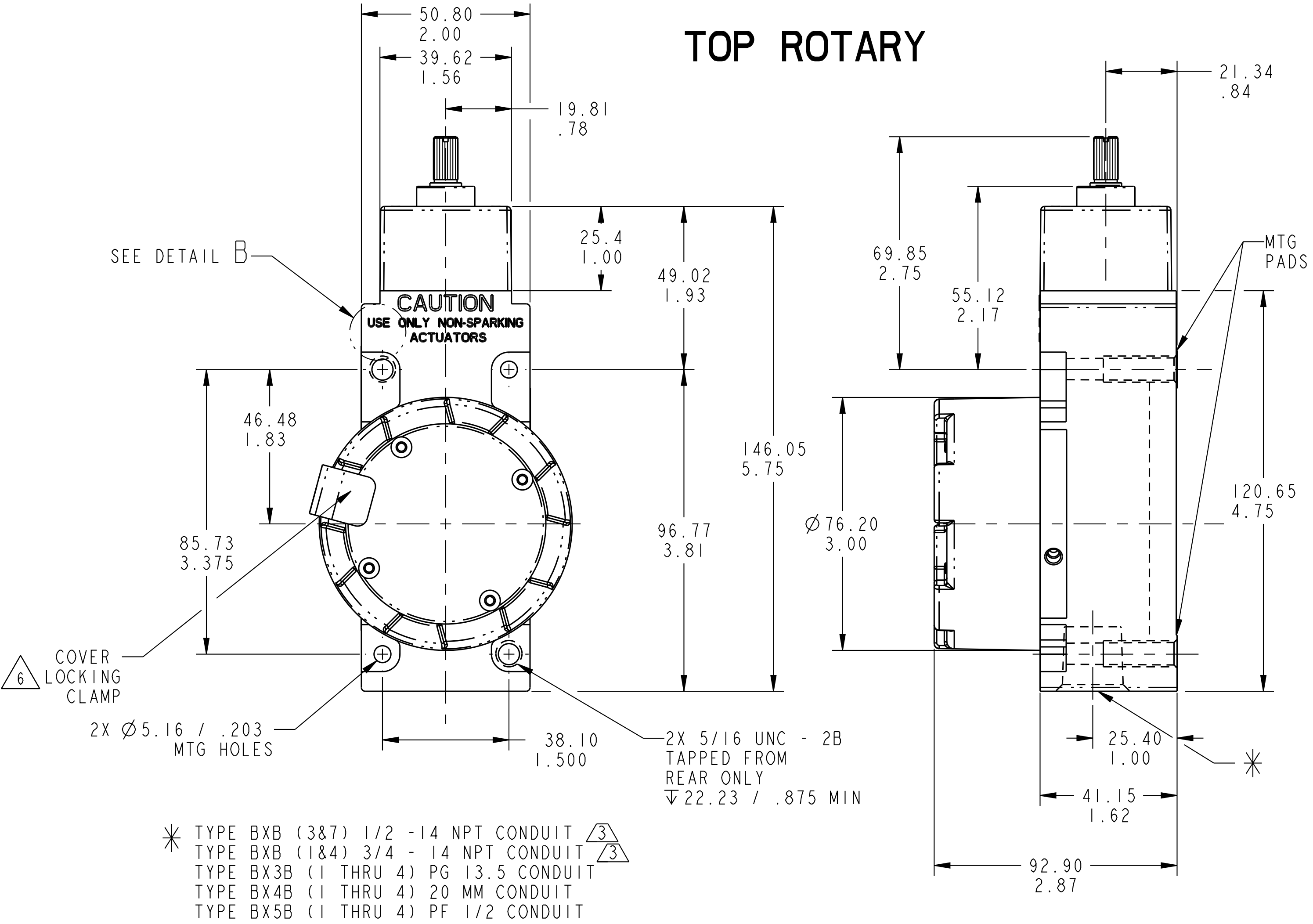


OPERATING DATA - SIDE ROTARY

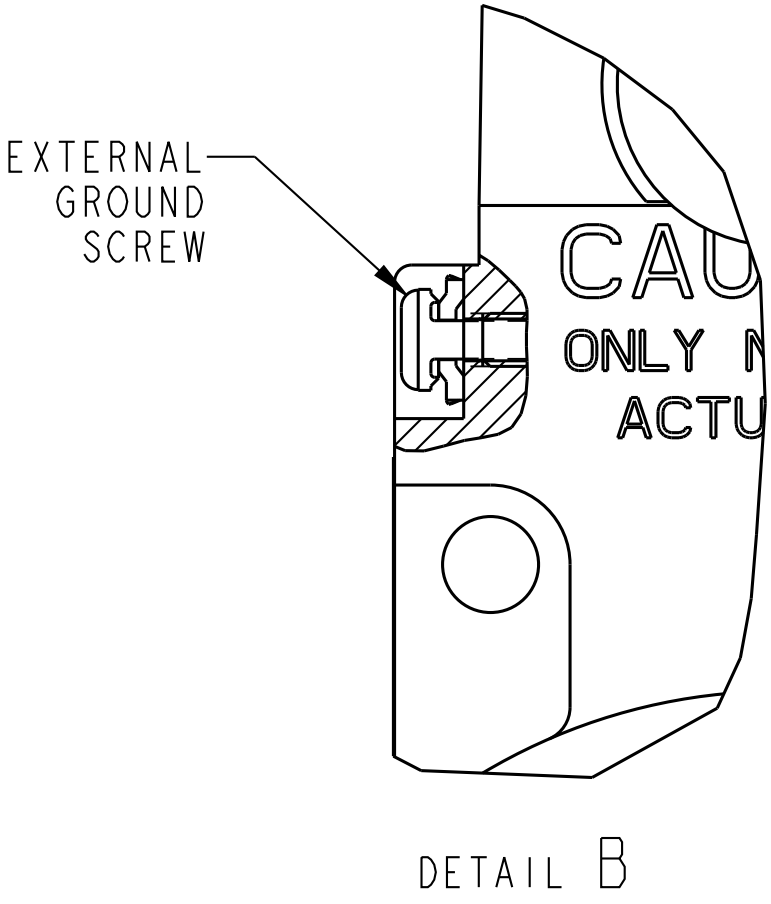


| OPERATING CHARACTERISTICS | BXA MOMENTARY         |                | BXR MOMENTARY LOW TORQUE |                | BXN MAINTAINED        | BXP MOMENTARY LOW PRETRAVEL & DIFFERENTIAL TRAVEL |                | BXH MOMENTARY LOW PRETRAVEL & LOW TORQUE |                | BXL SEQUENCE DOUBLE POLE ONLY           | BXM CENTRAL NEUTRAL DOUBLE POLE ONLY |
|---------------------------|-----------------------|----------------|--------------------------|----------------|-----------------------|---------------------------------------------------|----------------|------------------------------------------|----------------|-----------------------------------------|--------------------------------------|
| PRE-TRAVEL (MAX)          | 15°                   |                | 15°                      |                | 65°                   | 9°                                                |                | 9°                                       |                | 1ST STEP 15°<br>2ND STEP 10° ADDITIONAL | 18°                                  |
| OVERTRAVEL (MIN)          | 60°                   |                | 60°                      |                | 20°                   | 68°                                               |                | 68°                                      |                | 48°                                     | 57°                                  |
| DIFFERENTIAL TRAVEL (MAX) | SINGLE POLE 5°        | DOUBLE POLE 7° | SINGLE POLE 5°           | DOUBLE POLE 7° | 40°                   | SINGLE POLE 3°                                    | DOUBLE POLE 4° | SINGLE POLE 3°                           | DOUBLE POLE 4° | 5°                                      | 10°                                  |
| TOTAL TRAVEL (REF)        | 75°                   |                | 75°                      |                | 90°                   | 75°                                               |                | 75°                                      |                | 75°                                     | 75°                                  |
| OPERATING TORQUE (MAX)    | .454 N/M<br>4 IN. LBS |                | .193 N/M<br>4 IN. LBS    |                | .454 N/M<br>4 IN. LBS | .454 N/M<br>4 IN. LBS                             |                | .193 N/M<br>1.7 IN. LBS                  |                | .454 N/M<br>4 IN. LBS                   | .454 N/M<br>4 IN. LBS                |
| FULL TRAVEL TORQUE (MAX)  | .454 N/M<br>4 IN. LBS |                | .193 N/M<br>4 IN. LBS    |                | -                     | .454 N/M<br>4 IN. LBS                             |                | .193 N/M<br>1.7 IN. LBS                  |                | .454 N/M<br>4 IN. LBS                   | .454 N/M<br>4 IN. LBS                |

TOP ROTARY



|                         | SINGLE POLE             | DOUBLE POLE             |
|-------------------------|-------------------------|-------------------------|
| PRETRAVEL MAX           | 35°                     | 35°                     |
| OVERTRAVEL MAX          | 100°                    | 100°                    |
| DIFFERENTIAL TRAVEL MAX | 8°                      | 12°                     |
| OPERATING TORQUE MAX    | .283 N/M<br>2.5 IN. LBS | .283 N/M<br>2.5 IN. LBS |
| TOTAL TRAVEL (REF)      | 135°                    | 135°                    |



D

C

B

A

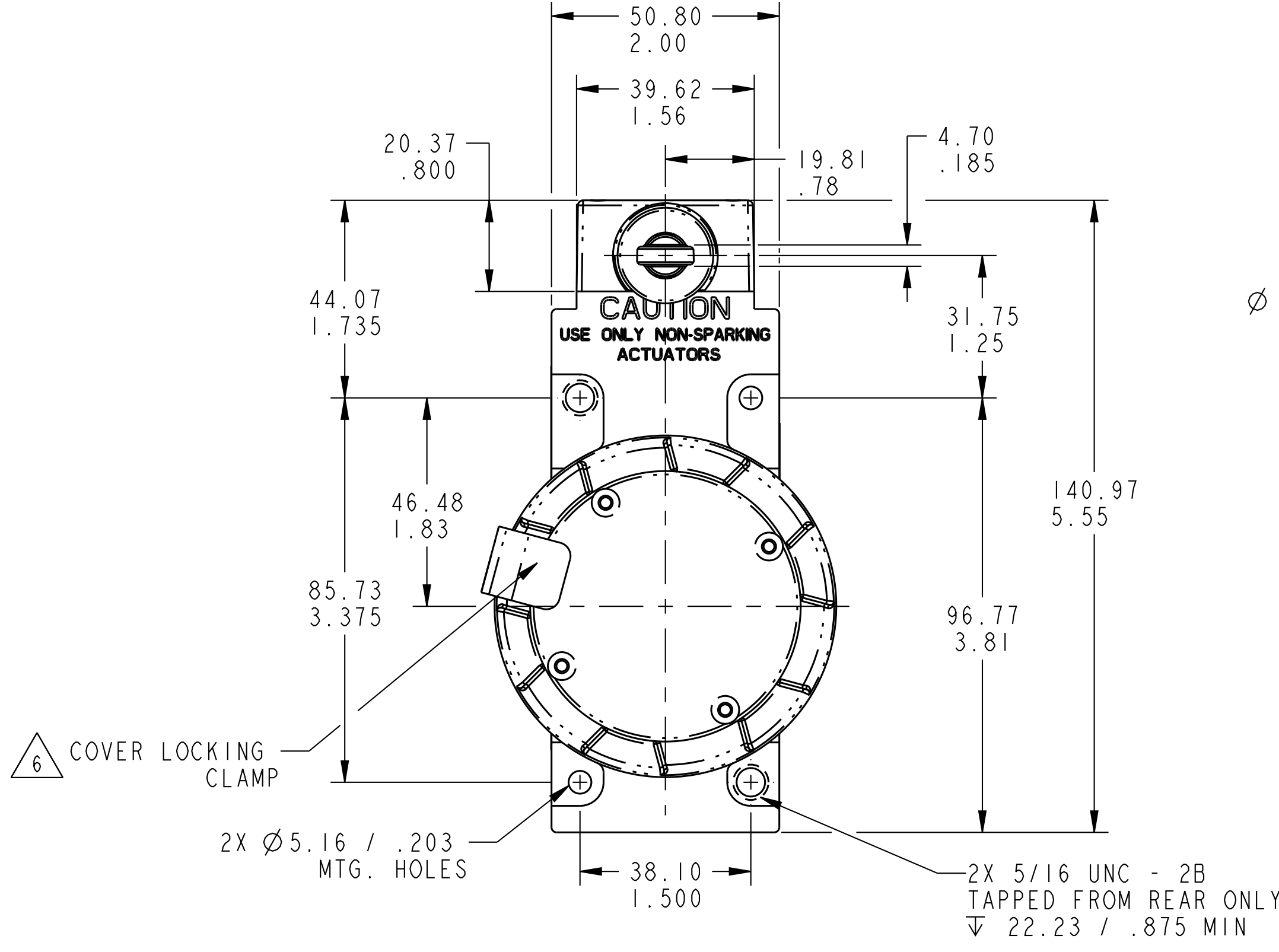
D

C

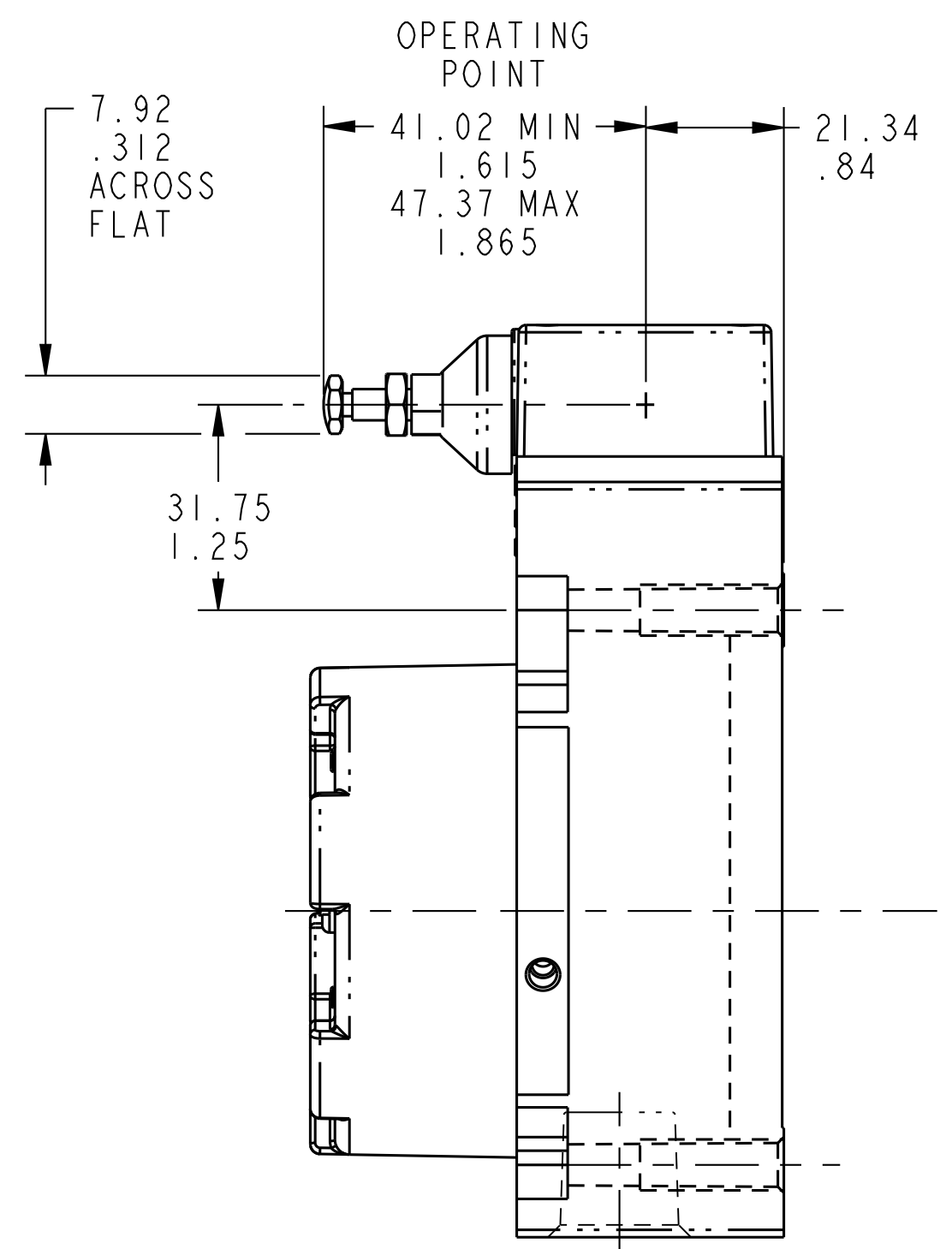
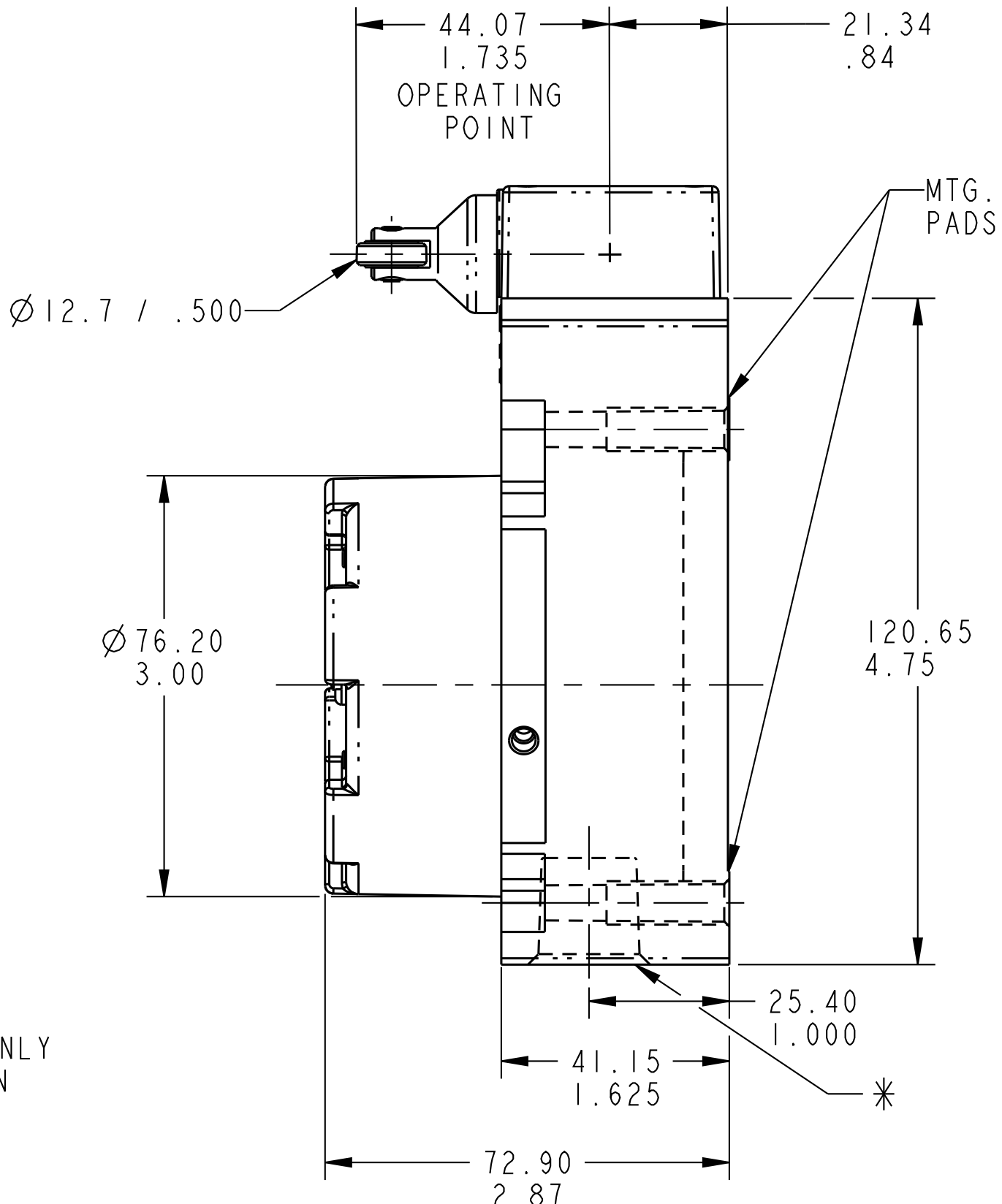
B

A

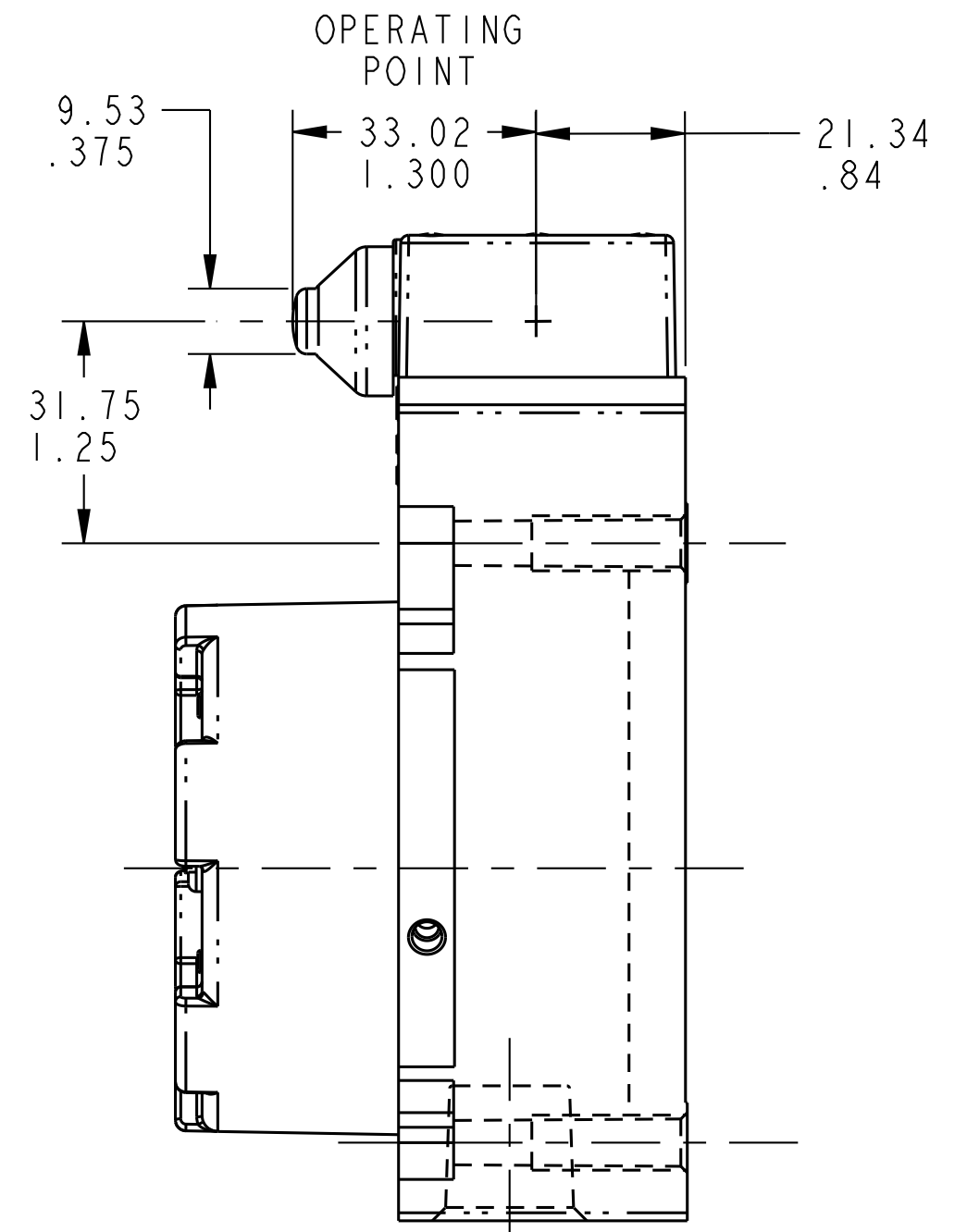
SIDE PLUNGER



- \* TYPE BXF (3&7) 1/2 -14 NPT CONDUIT  
TYPE BXF (1&4) 3/4 - 14 NPT CONDUIT  
TYPE BX3F (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4F (1 THRU 4) 20 MM CONDUIT  
TYPE BX5F (1 THRU 4) PF 1/2 CONDUIT



- \* TYPE BXW (3&7) 1/2 -14 NPT CONDUIT  
TYPE BXW (1&4) 3/4 - 14 NPT CONDUIT  
TYPE BX3W (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4W (1 THRU 4) 20 MM CONDUIT  
TYPE BX5W (1 THRU 4) PF 1/2 CONDUIT



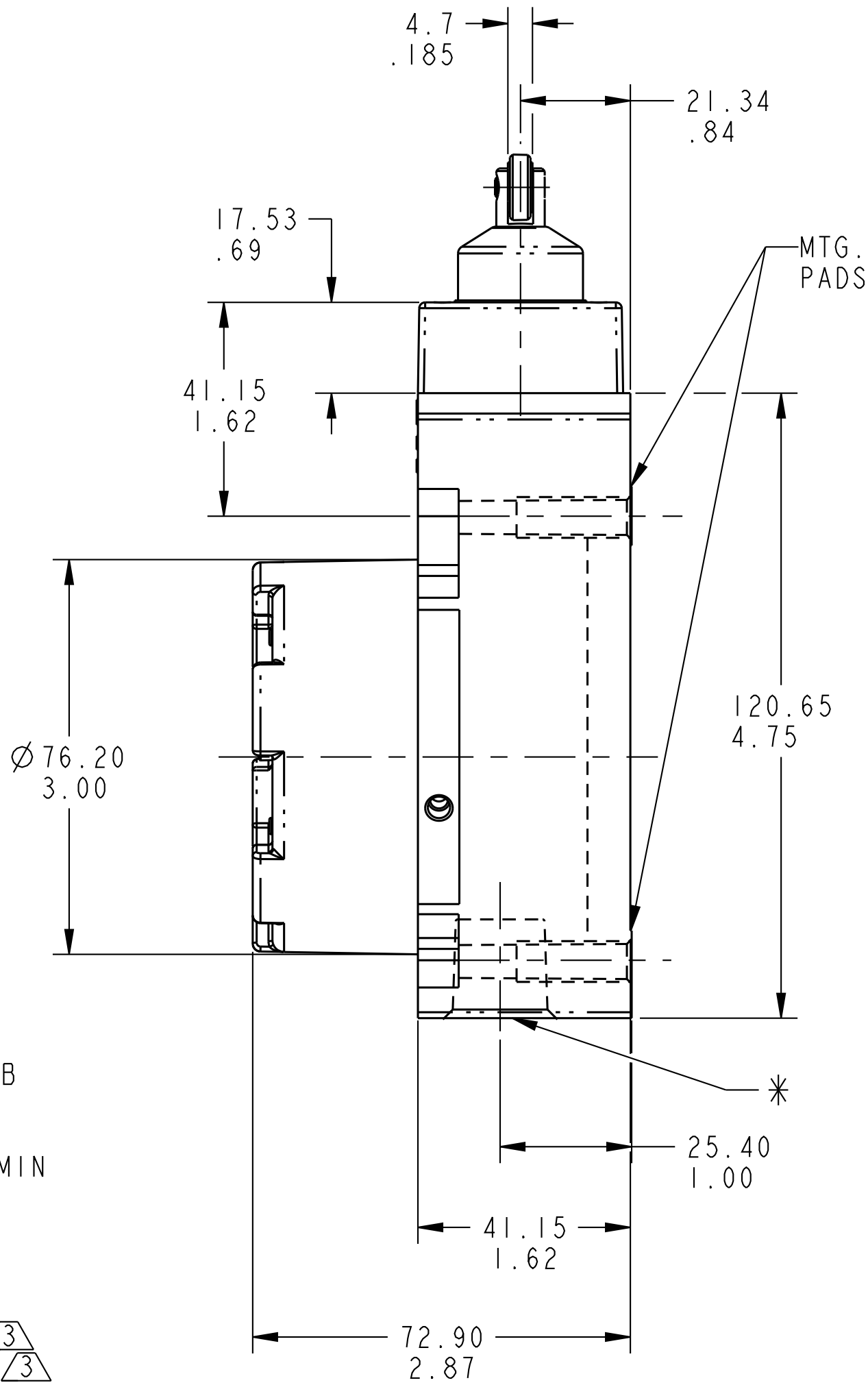
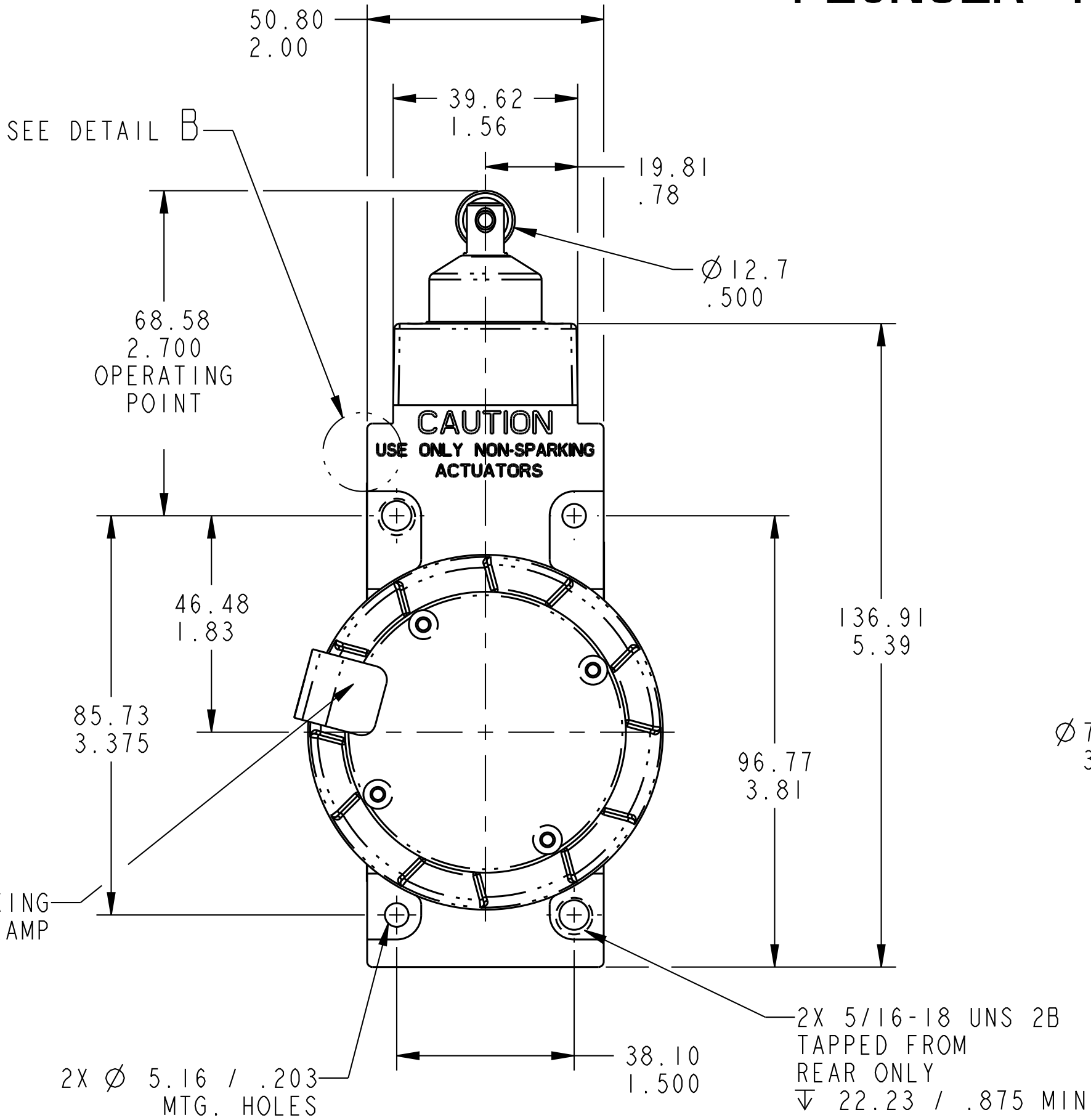
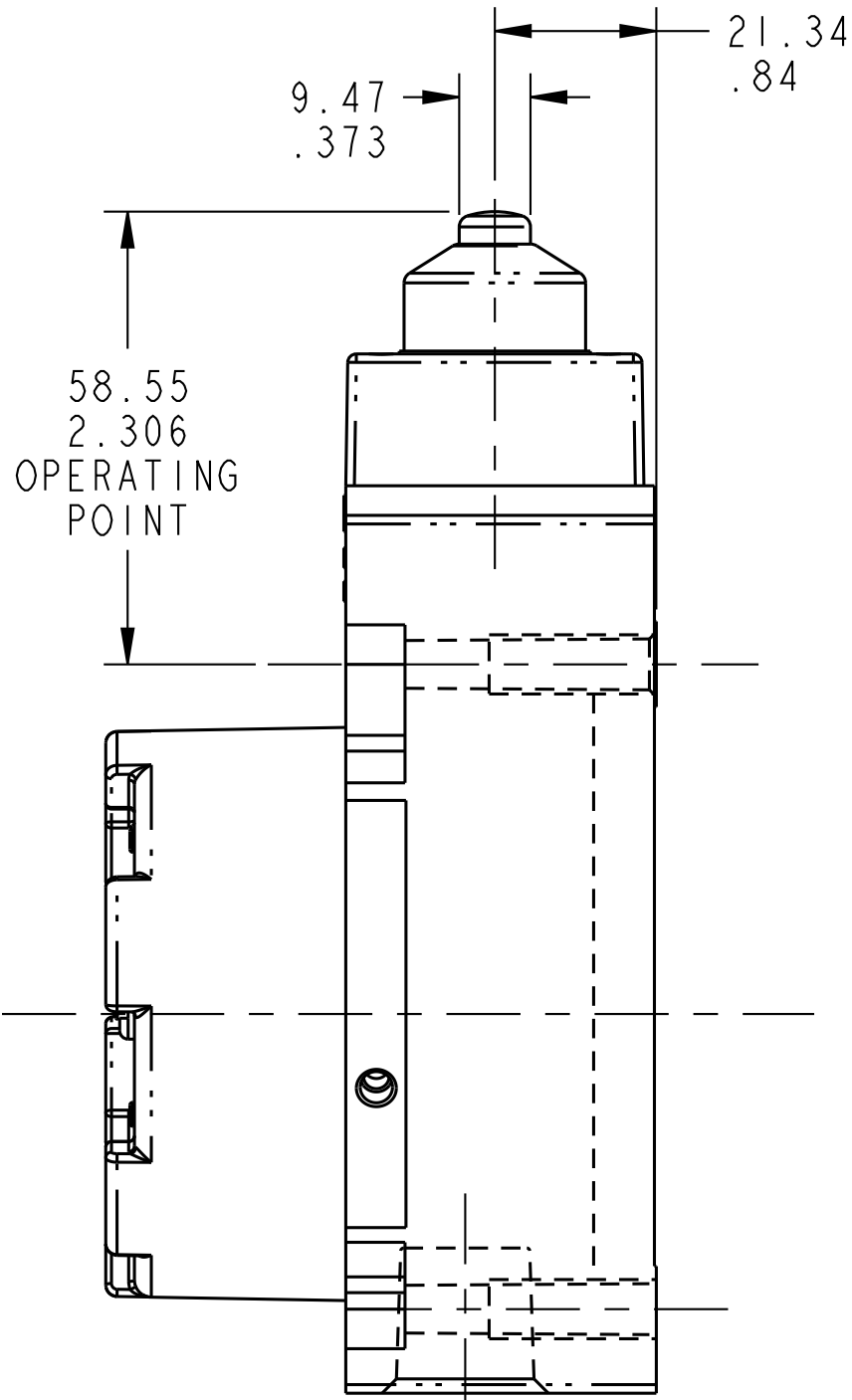
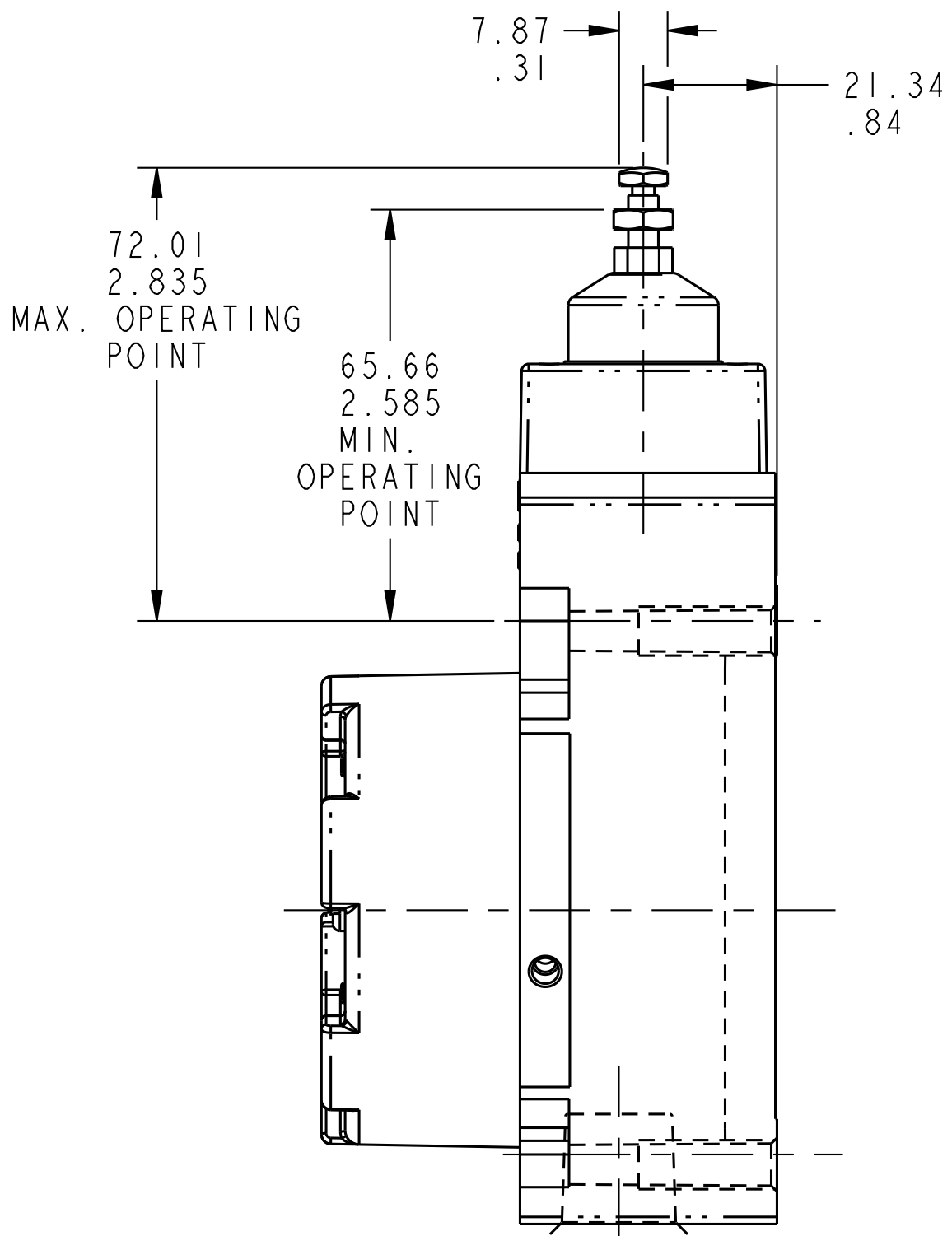
- \* TYPE BXE (3&7) 1/2 -14 NPT CONDUIT  
TYPE BXE (1&4) 3/4 - 14 NPT CONDUIT  
TYPE BX3E (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4E (1 THRU 4) 20 MM CONDUIT  
TYPE BX5E (1 THRU 4) PF 1/2 CONDUIT

OPERATING POINT GIVEN  
IN RELATION TO CENTER OF HEAD

SIDE PLUNGER TYPES

| CHARACTERISTICS             | BXE<br>PLUNGER                | BXF<br>ROLLER PLUNGER          | BXW<br>ADJUSTABLE PLUNGER              | SEQUENCE BASIC                                              |                                |                                          |
|-----------------------------|-------------------------------|--------------------------------|----------------------------------------|-------------------------------------------------------------|--------------------------------|------------------------------------------|
|                             |                               |                                |                                        | BXE                                                         | BXF                            | BXW                                      |
| PRE-TRAVEL (MAX)            | 2.54 / .100                   | 2.54 / .100                    | 2.54 / .100                            | 1ST STEP 2.54 / .100<br>2ND STEP .51 / .020 MIN ADDITIONAL. |                                |                                          |
| DIFFERENTIAL TRAVEL (MAX)   | 1.14 / .045                   | 1.14 / .045                    | 1.14 / .045                            | .64 / .025 EACH STEP                                        |                                |                                          |
| OVERTRAVEL (MIN)            | 4.83 / .190                   | 4.83 / .190                    | 4.83 / .190                            | 4.32 / .170                                                 |                                |                                          |
| OPERATING FORCE (MAX)       | 26.79 N / 6 LBS               | 26.79 N / 6 LBS                | 26.79 N / 6 LBS                        | 26.79 N<br>6 LBS                                            |                                |                                          |
| OPERATING POINT             | 33.02 ± .76 /<br>1.300 ± .030 | 44.07 ± 1.02 /<br>1.735 ± .040 | 41.02 / 1.615 MIN<br>47.37 / 1.665 MAX | 1ST STEP                                                    |                                |                                          |
|                             |                               |                                |                                        | 33.27 ± .76 / 1.310 ± .030                                  | 44.32 ± 1.02 /<br>1.745 ± .040 | 41.28 / 1.625 MIN.<br>47.63 / 1.875 MAX. |
| FULL OVERTRAVEL FORCE (MAX) | 26.79 N / 6 LBS               | 26.79 N / 6 LBS                | 26.79 N / 6 LBS                        | 26.79 N<br>6 LBS                                            |                                |                                          |

PLUNGER TYPE TOP



\* TYPE BXV (3&7) 1/2 -14 NPT CONDUIT  
TYPE BXV (1&4) 3/4 - 14 NPT CONDUIT  
TYPE BX3V (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4V (1 THRU 4) 20 MM CONDUIT  
TYPE BX5V (1 THRU 4) PF 1/2 CONDUIT

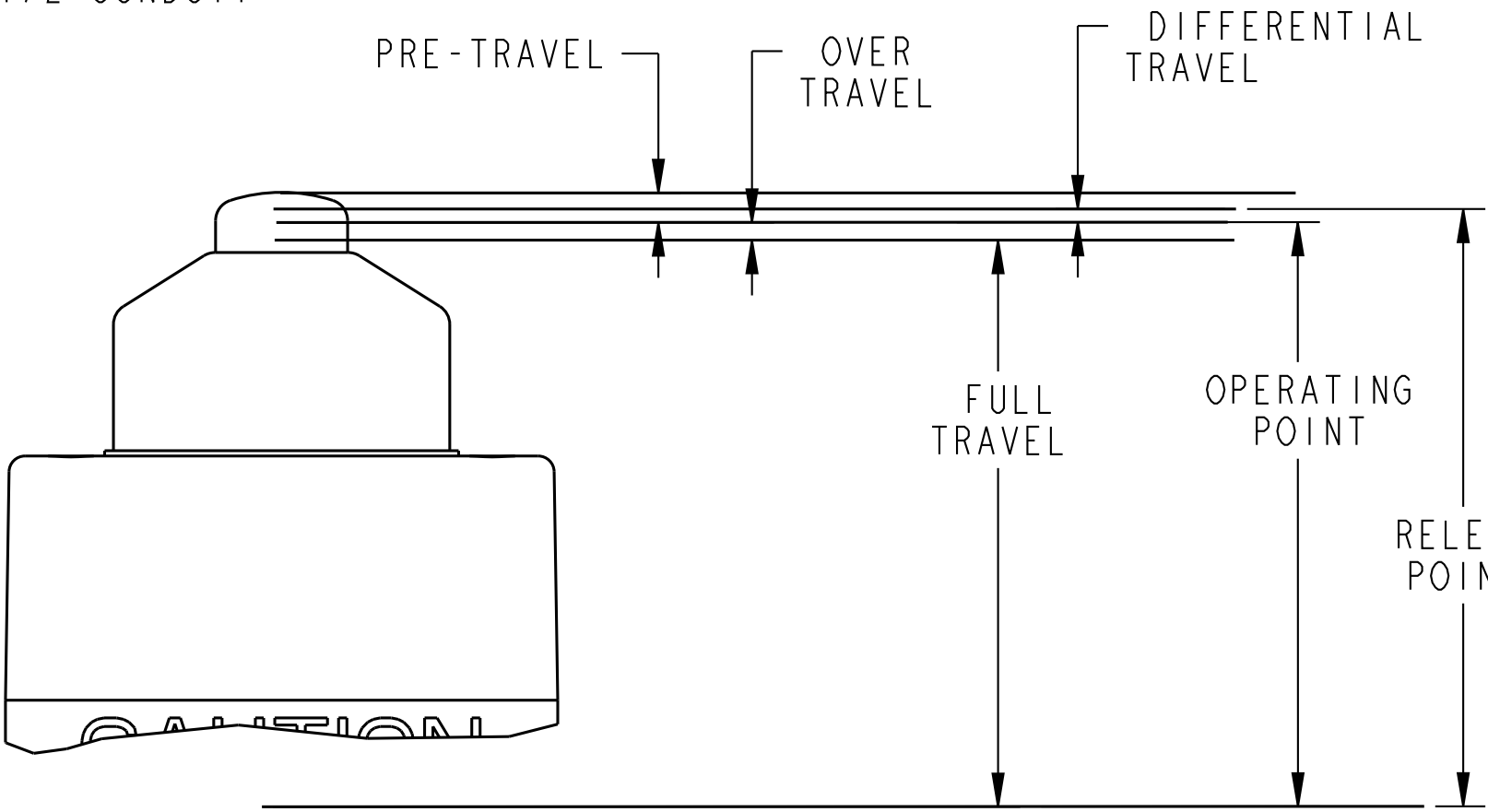
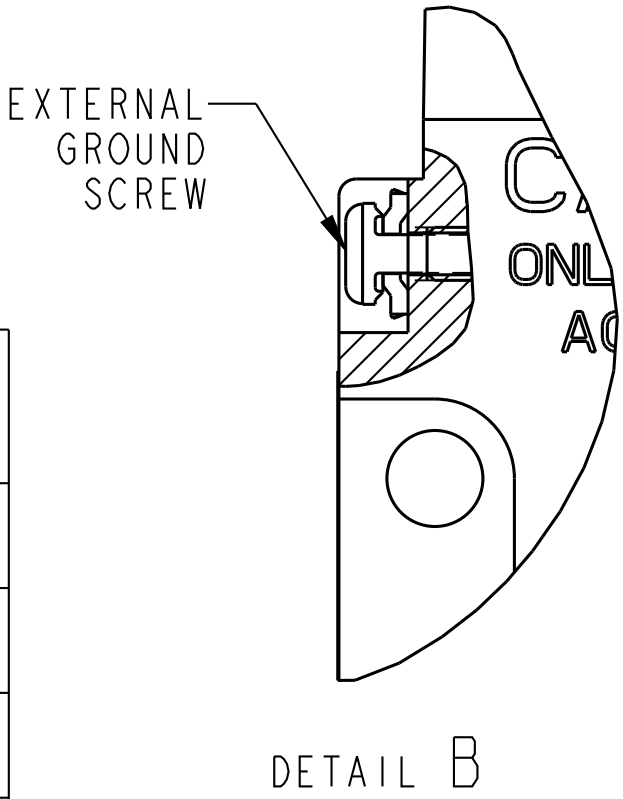
\* TYPE BX (C OR G) (3&7) 1/2 -14 NPT CONDUIT  
TYPE BX (C OR G) (1&4) 3/4 - 14 NPT CONDUIT  
TYPE BX3 (C OR G) (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4 (C OR G) (1 THRU 4) 20 MM CONDUIT  
TYPE BX5 (C OR G) (1 THRU 4) PF 1/2 CONDUIT

\* TYPE BXD (3&7) 1/2 -14 NPT CONDUIT  
TYPE BXD (1&4) 3/4 - 14 NPT CONDUIT  
TYPE BX3D (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4D (1 THRU 4) 20 MM CONDUIT  
TYPE BX5D(1 THRU 4) PF 1/2 CONDUIT

OPERATING POINT GIVEN  
IN RELATION TO TOP MOUNTING HOLES

TOP PLUNGER TYPES

| CHARACTERISTICS            | BXC<br>PLUNGER          |                         | BXD<br>ROLLER PLUNGER   |                      | BXV<br>ADJUSTABLE PLUNGER       |             | SEQUENCE BASIC                                          |                                          |     | BXG                        |
|----------------------------|-------------------------|-------------------------|-------------------------|----------------------|---------------------------------|-------------|---------------------------------------------------------|------------------------------------------|-----|----------------------------|
|                            |                         |                         |                         |                      |                                 |             | BXC                                                     | BXD                                      | BXV |                            |
| PRETRAVEL(MAX)             | 1.79 / .070             |                         | 1.79 / .070             |                      | 1.79 / .070                     |             | 1ST STEP 1.79/.070<br>2ND STEP .41/.015 MIN ADDITIONAL. |                                          |     | 1.79 / .070                |
| DIFFERENTIAL TRAVEL (MAX)  | SINGLE POLE .38/.015    | DOUBLE POLE 0.51 / .020 | SINGLE POLE 0.38/.015   | DOUBLE POLE .51/.020 | SINGLE POLE                     | DOUBLE POLE | .38/.01 EACH STEP                                       |                                          |     | .51 / .020                 |
| OVERTRAVEL(MIN)            | 4.83 / .190             |                         | 4.83 / .190             |                      | 4.83 / .190                     |             | 4.32 / .170                                             |                                          |     | 4.83 / .190                |
| OPERATING FORCE (MAX)      | 17.86 N / 4 LBS         |                         | 17.86 N / 4 LBS         |                      | 17.86 N / 4 LBS                 |             | 17.86 N / 4 LBS                                         |                                          |     | 17.86 N / 4 LBS            |
| OPERATING POINT            | 58.55 ±.76 / 2.305±.030 |                         | 68.58±1.02 / 2.700±.040 |                      | 65.66/2.585 MIN 72.01/2.835 MAX |             | 1ST STEP                                                |                                          |     | 58.55 ± .76 / 2.305 ± .030 |
|                            |                         |                         |                         |                      |                                 |             | 46.10±.76/1.815±.030 53.21/2.095 MIN.                   | 56.13 ±1.02/2.210±.040 59.56/ 2.345 MAX. |     |                            |
| FULL OVERTRAVEL FORCE(MAX) | 31.25 N / 7 LBS         |                         | 31.25 N / 7 LBS         |                      | 31.25 N / 7 LBS                 |             | 31.25 N / 7 LBS                                         |                                          |     | 31.25 N / 7 LBS            |



D

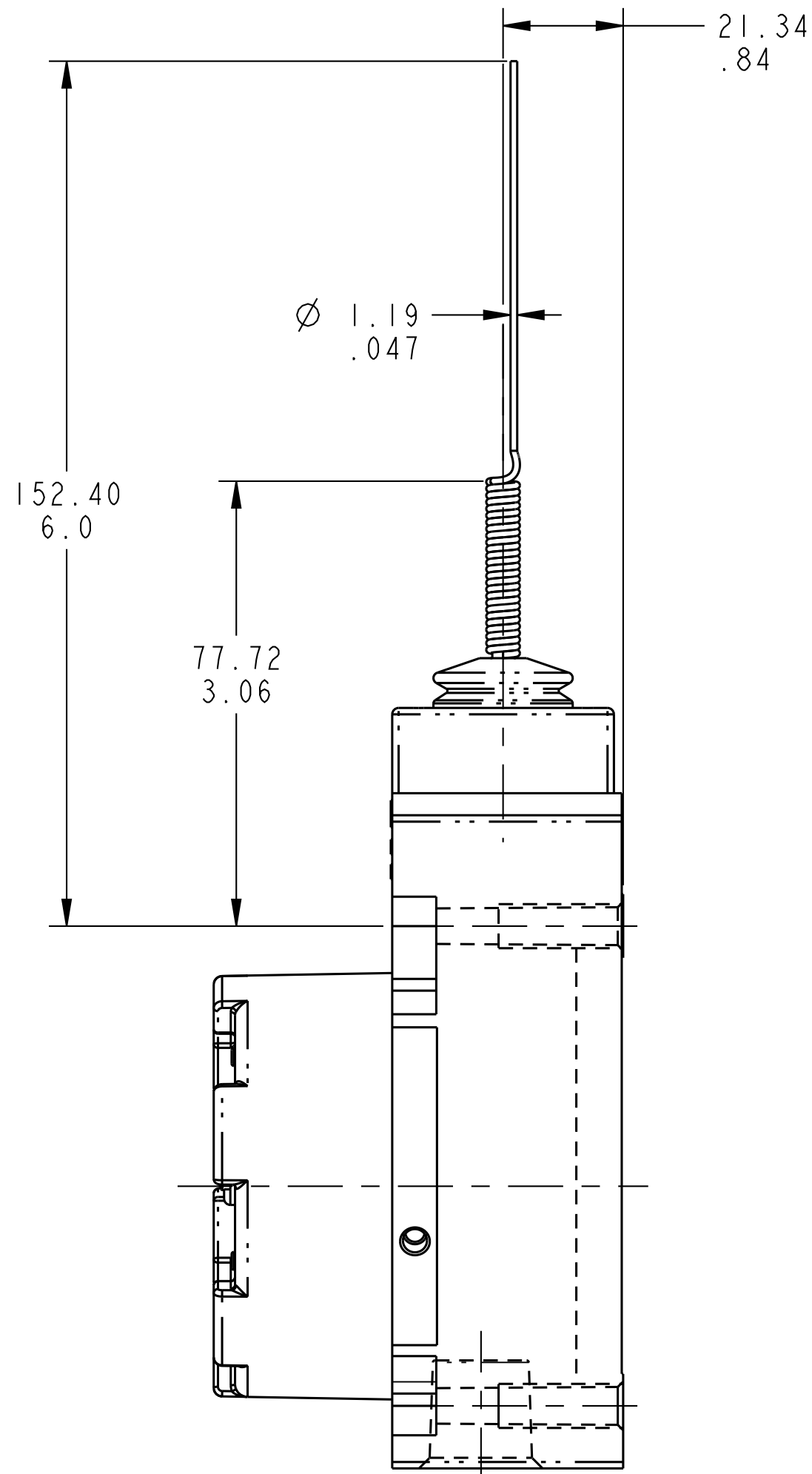
C

B

A

A

CAT WHISKER



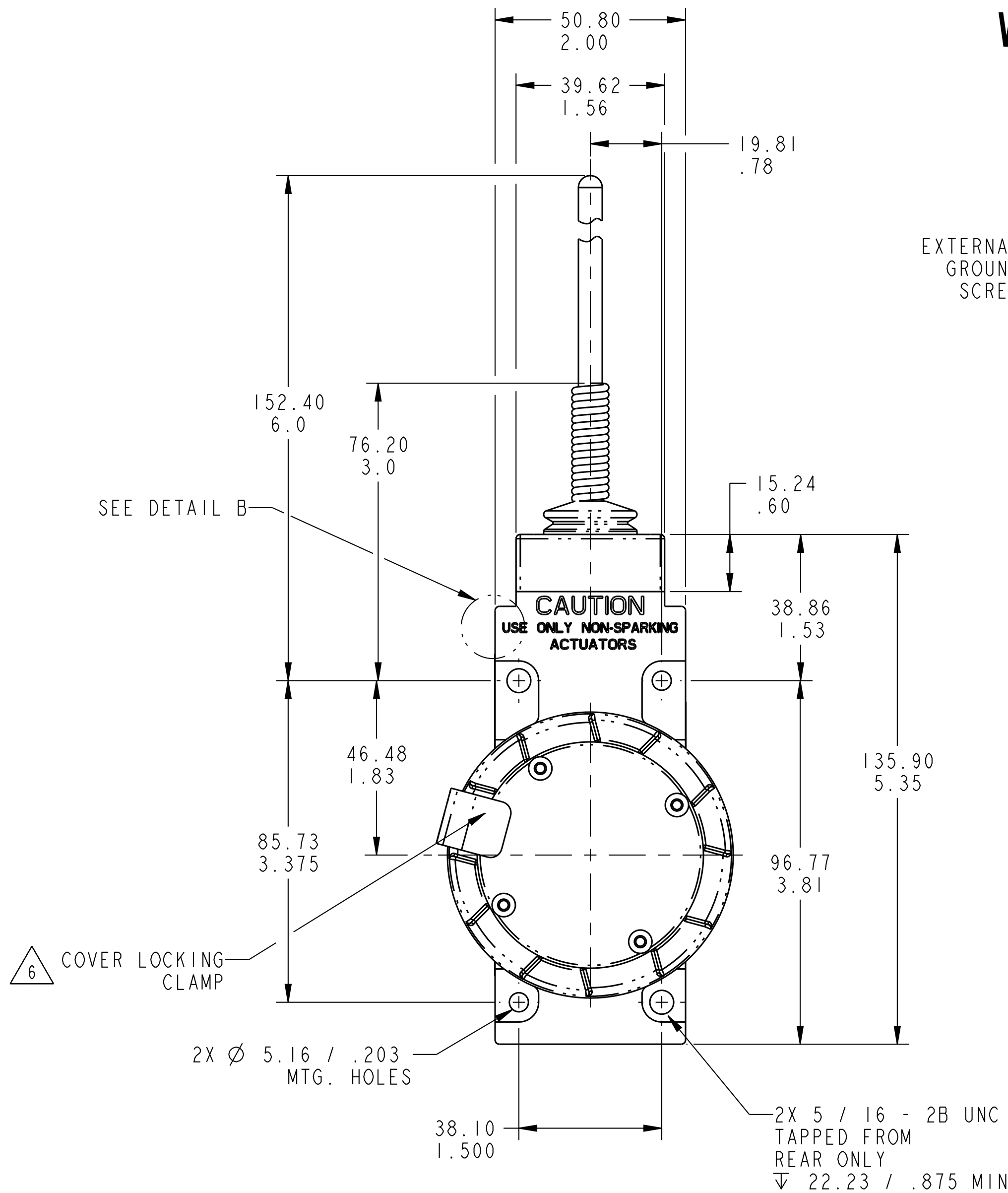
WIRE EXTENSION  
TYPE 8A ACTUATOR

TYPE BXK (3&7) 1/2 -14 NPT CONDUIT  $\frac{3}{3}$   
TYPE BXK (1&4) 3/4 - 14 NPT CONDUIT  $\frac{3}{3}$   
TYPE BX3K (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4K (1 THRU 4) 20 MM CONDUIT  
TYPE BX5K (1 THRU 4) PF 1/2 CONDUIT

REPLACEMENT ACTUATOR  
LSXZ4012

|                              | CAT WHISKER               | WOBBLE STICK        |
|------------------------------|---------------------------|---------------------|
| PRETRAVEL (APPROX) IN RADIUS | 6 IN WIRE<br>50.80<br>2.0 | ROD<br>25.40<br>1.0 |
| OPERATING FORCE - OZ (MAX)   | 1.4 N<br>5.0              | 2.8 N<br>10.0       |

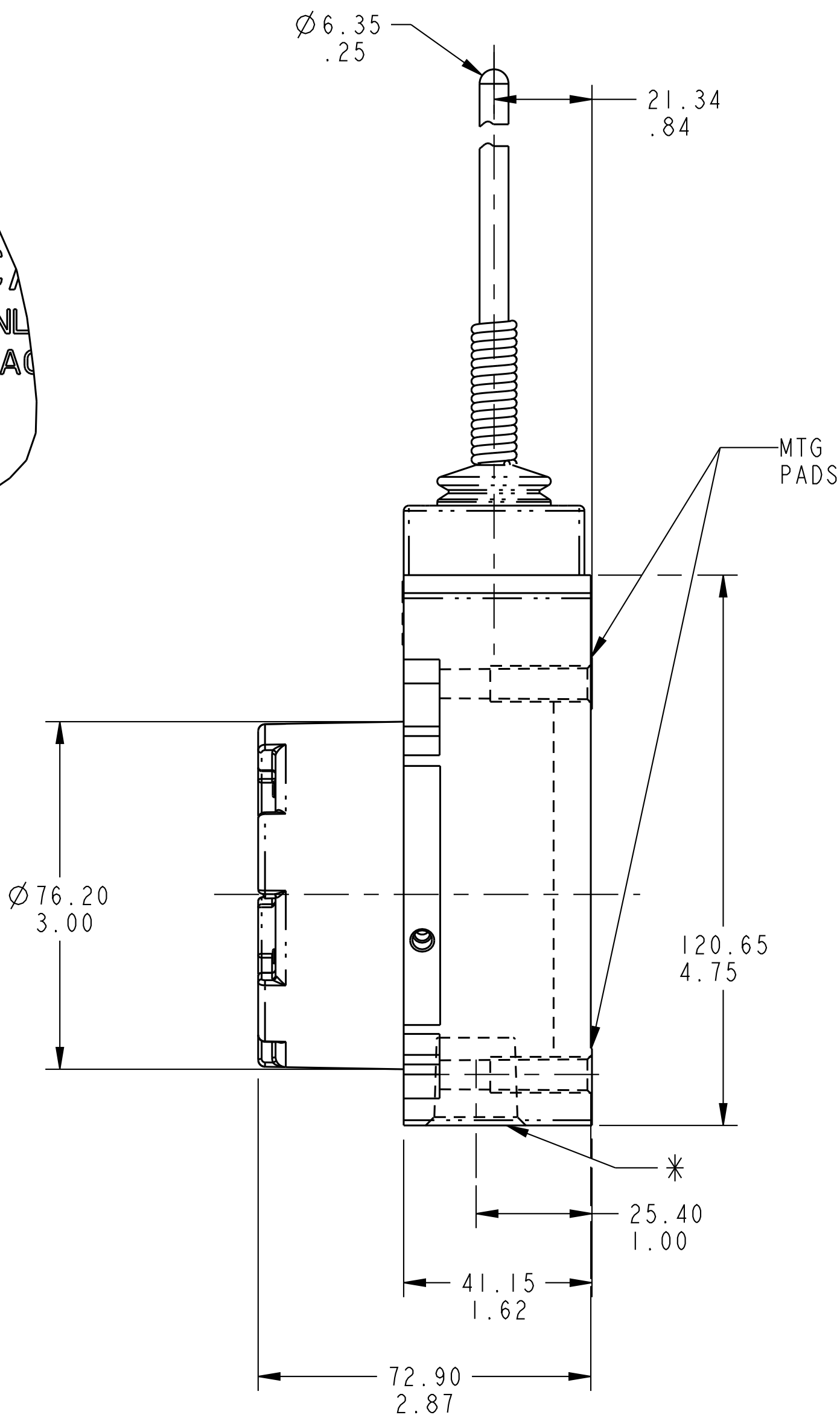
WOBBLE STICK



PLASTIC EXTENSION  
TYPE 7A ACTUATOR

TYPE BXJ (3&7) 1/2 -14 NPT CONDUIT  $\frac{3}{3}$   
TYPE BXJ (1&4) 3/4 - 14 NPT CONDUIT  $\frac{3}{3}$   
TYPE BX3J (1 THRU 4) PG 13.5 CONDUIT  
TYPE BX4J (1 THRU 4) 20 MM CONDUIT  
TYPE BX5J (1 THRU 4) PF 1/2 CONDUIT

REPLACEMENT ACTUATOR  
LSZ4009





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Электрон  
Связь**

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