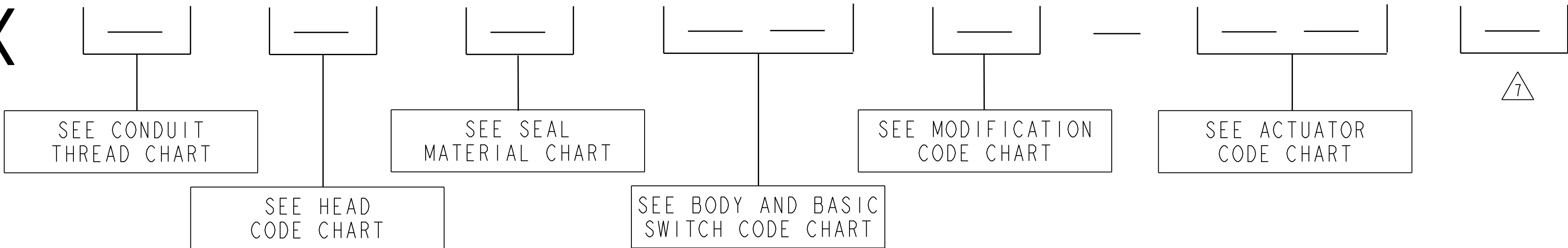


BX



CONDUIT THREAD CHART	
CODE	DESCRIPTION
NONE	1/2 NPT OR 3/4 NPT (SEE BODY & BASIC SWITCH CODE CHART)
3	PG 13,5 CONDUIT THREAD, BLUE BODY
4	20mm CONDUIT THREAD, BLUE BODY
5	PF 1/2 CONDUIT THREAD, BLUE BODY

HEAD CODE CHART	
CODE	DESCRIPTION
A	SIDE ROTARY MOMENTARY
B	TOP ROTARY MOMENTARY
C	TOP PLUNGER PLAIN
D	TOP PLUNGER ROLLER
E	SIDE PLUNGER MOMENATARY PLAIN
F	SIDE PLUNGER MOMENTARY ROLLER
H	SIDE ROTARY MOMENTARY, LOW PRE TRAVEL & LOW TORQUE
J	WOBBLE STICK
K	WHISKER
L	SIDE ROTARY SEQUENTIAL
M	SIDE ROTARY CENTER NEUTRAL
N	SIDE ROTARY MAINTAINED
P	SIDE ROTARY MOMENTARY, LOW PRE TRAVEL & DIFF. TRAVEL
R	SIDE ROTARY MOMENTARY, LOW TORQUE
V	TOP PLUNGER ADJUSTABLE
W	SIDE PLUNGER ADJUSTABLE

SEAL MATERIAL CHART	
CODE	DESCRIPTION
NONE	FLUROSILCONE OPERATING HEAD SEALS
C	FLUOROCARBON OPERATING HEAD SEALS

BODY AND BASIC SWITCH CODE CHART	
CODE	DESCRIPTION
1A	SLOW ACTING, 3NC - INO, 3/4" NPT
1E	SLOW ACTING, 3NC - INO, 3/4" NPT, GOLD PLATED CONTACTS
3E	HIGHT FIDELITY, 1/2" NPT
3K	INO - INC, 1/2" NPT
3N	INC DIRECT ACTING, 1/2" NPT
4K ⁸	INO - INC, 3/4" NPT
4L	2NO - 2NC, 3/4" NPT
4M	2NO - 2NO, SEQUENCE, 3/4" NPT
4N	2NO - 2NC, CENTER NEUTRAL, 3/4" NPT
4S	2NO - 2NC, 3/4" NPT, HIGH FIDELITY CONTACTS
4T	2NO - 2NC, SEQUENCE, 3/4" NPT, HIGH FIDELITY CONTACTS
4U	2NO - 2NC, CENTER NEUTRAL, 3/4" NPT, HIGH FIDELITY CONTACTS
7L ⁸	2NO - 2NC, 1/2" NPT
7N ⁸	2NO - 2NC, CENTER NEUTRAL, 1/2" NPT
7S ⁸	2NO - 2NC, 1/2" NPT, HIGH FIDELITY CONTACTS
7T ⁸	2NO - 2NC, SEQUENCE, 1/2" NPT, HIGH FIDELITY CONTACTS
7U ⁸	2NO - 2NC, CENTER NEUTRAL, 1/2" NPT, HIGH FIDELITY CONTACTS

MODIFICATION CODE CHART	
CODE	DESCRIPTION
1	CW ROTATION
2	CCW ROTATION
3	HEAD ASSEMBLED WITH ACTUATOR TO RIGHT SIDE
4	HEAD ASSEMBLED WITH ACTUATOR TO LEFT SIDE
5	HEAD ASSEMBLED WITH ACTUATOR TOWARDS MOUNING SURFACE
6	ROLLER PERPENDICULAR TO MOUNTING SURFACE
8	ROLLER ON SIDE PLUNGER IN VERTICAL POSITION

ACTUATOR CODE CHART	
CODE	DESCRIPTION
I	FIXED ROLLER, 1.5" RADIUS
1A	FIXED 3/4 x 1/4 NYLON ROLLER, 1.5" RADIUS, ROLLER IS FRONT MOUNT
1C	FIXED 3/4 x 1/4 NYLON ROLLER, 1.5" RADIUS, ROLLER IS BACK MOUNT
2	ADJUSTABLE ROLLERLESS
2A	ADJUSTABLE 3/4 x 1/4 NYLON ROLLER, ROLLER IS BACK MOUNT
2C	ADJUSTABLE 3/4 x 1/4 NYLON ROLLER, ROLLER IS FRONT MOUNT
2J	ADJUSTABLE 1 x 1/2 NYLON ROLLER, ROLLER IS FRONT MOUNT
2K	ADJUSTABLE 3/2 x 1/4 NYLON ROLLER, ROLLER IS FRONT MOUNT
3E	YOKE 3/4 x 1/4 NYLON ROLLERS, ROLLERS ON OPP. SIDES
3M	YOKE 3/4 x 1 1/4 NYLON ROLLERS, ROLLERS ON OPP. SIDES
3S	YOKE 3/4 x 1/4 NYLON ROLLERS, ROLLERS ARE BACK MOUNT
4	HUB ONLY
4M	HUB ROD, ALUMINIUM
5	OFFSET, ROLLERLESS
5A	OFFSET, 3/4 x 1/4 NYLON ROLLER, ROLLER IS BACK MOUNT
5C	OFFSET, 3/4 x 1/4 NYLON ROLLER, ROLLER IS FRONT MOUNT
7A	PLASTIC WOBBLE STICK
8A	WHISKER, 5 1/2"
9A	FIXED 3/4 x 1/4 NYLON ROLLER, 1.33" RADIUS, ROLLER IS FRONT MOUNT
9C	FIXED 3/4 x 1/4 NYLON ROLLER, 1.33" RADIUS, ROLLER IS BACK MOUNT

NOTES:

- 1 - CONSTRUCTED IN ACCORDANCE WITH EN-50014 / EN - 50018 GROUP II C
2 - VOLUME 27 CU.IN (442 CU.CM) APPROX.
3 - EXPLOSION PROOF - UNDER WRITERS LAB INC. LISTED FOR HAZARDOUS
LOCATIONS CLASS I, GROUPS B,C AND D; CLASS II GROUPS E,F AND G.
4 - SIRA CERTIFIED PRODUCTS. NO MODIFICATIONS PERMITTED
WITHOUT REFERENCE TO SIRA.
5 - CONFORMS TO EExd IIC TG

CE 0518

SIRA 00ATEX1037X
CAT 112 GD.

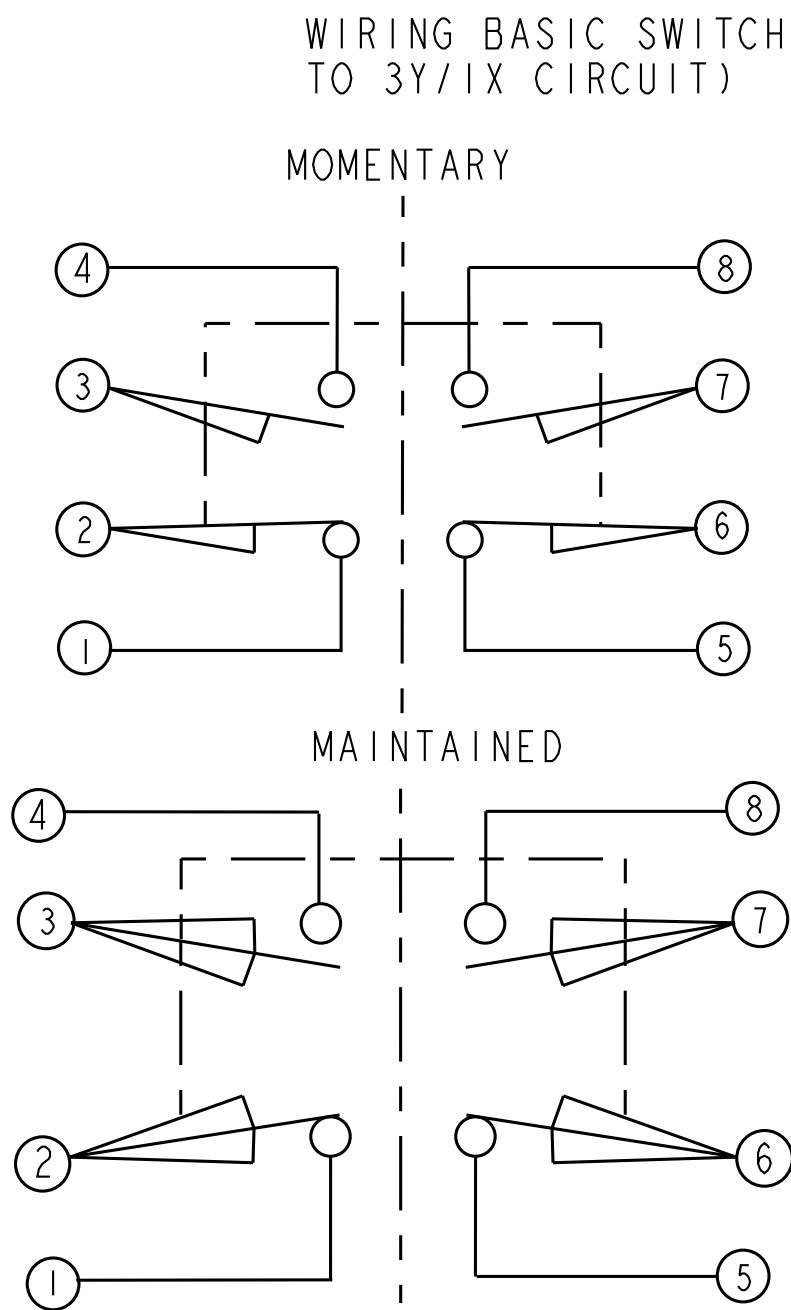
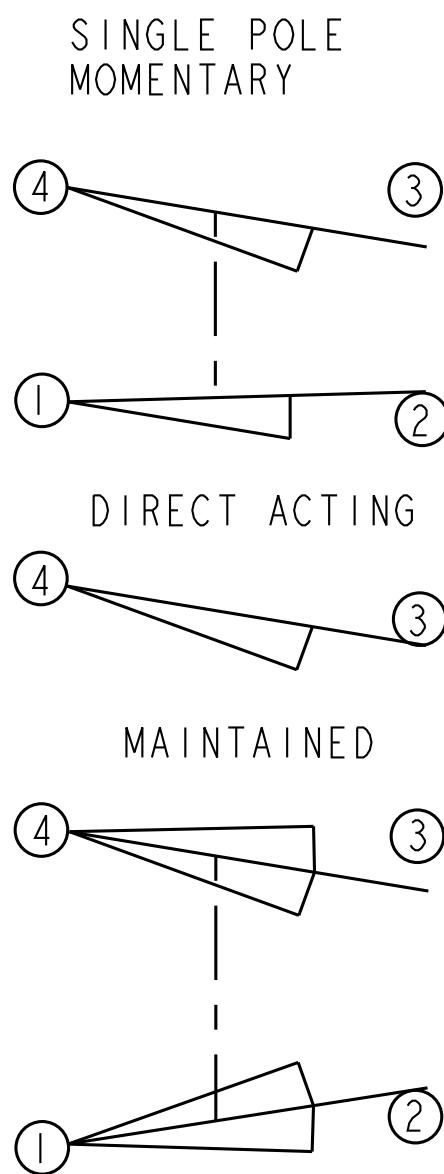
- 6 - FURNISHED UNASSEMBLED IN A SEPARATE PLASTIC BAG.
7 - "B" IN THIS POSITION INDICATES BULK PACK OF 25 PRODUCTS.
8 - NOT AVAILABLE WITH CONDUIT CODES 3,4 OR 5.

TEMPERATURE LIMITATIONS FOR DEVICES WITH FLUOROSILICONE (BXA** & BX*A**) AND FLUOROCARBON (BXAC** & BX*AC**) SEALS		
	LOW LIMIT	HIGH LIMIT
BXA & BX*A	-40°C/-40°F	70°C/158°F
BXAC & BX*AC	-12°C/+10°F	70°C/158°F
BXB & BX*B	-29°C/-20°F	70°C/158°F
BXBC & BX*BC	-12°C/+30°F	70°C/158°F
BXC & BX*C	-40°C/-40°F	70°C/158°F
BXCC & BX*CC	-12°C/+10°F	70°C/158°F
BXD & BX*D	-40°C/-40°F	70°C/158°F
BXDC & BX*DC	-12°C/+10°F	70°C/158°F
BXE & BX*E	-40°C/-40°F	70°C/158°F
BXEC & BX*EC	-12°C/+10°F	70°C/158°F
BXF & BX*F	-40°C/-40°F	70°C/158°F
BXFC & BX*FC	-12°C/+10°F	70°C/158°F
BXH & BX*H	-29°C/-20°F	70°C/158°F
BXHC & BX*HC	-1°C/+30°F	70°C/158°F
BXJ & BX*J	-29°C/-20°F	70°C/158°F
BXJC & BX*JC	-1°C/+30°F	70°C/158°F
BXK & BX*K	-29°C/-20°F	70°C/158°F
BXKC & BX*KC	-1°C/+30°F	70°C/158°F
BXL & BX*L	-40°C/-40°F	70°C/158°F
BXLC & BX*LC	-12°C/+10°F	70°C/158°F
BXM & BX*M	-40°C/-40°F	70°C/158°F
BXMC & BX*MC	-12°C/+10°F	70°C/158°F
BXN & BX*N	-29°C/-20°F	70°C/158°F
BXNC & BX*NC	-1°C/+30°F	70°C/158°F
BXP & BX*P	-40°C/-40°F	70°C/158°F
BXPC & BX*PC	-12°C/+10°F	70°C/158°F
BXR & BX*R	-29°C/-20°F	70°C/158°F
BXRC & BX*RC	-1°C/+30°F	70°C/158°F
BXV & BX*V	-40°C/-40°F	70°C/158°F
BXVC & BX*VC	-12°C/+10°F	70°C/158°F
BXW & BX*W	-40°C/-40°F	70°C/158°F
BXWC & BX*WC	-12°C/+10°F	70°C/158°F

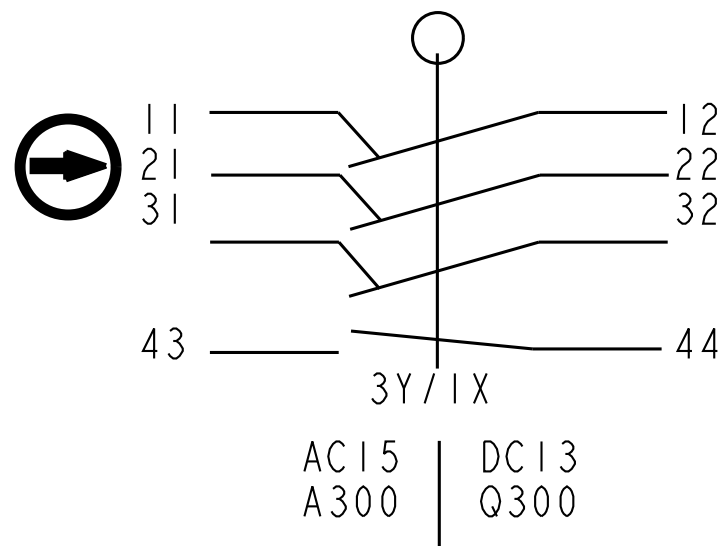
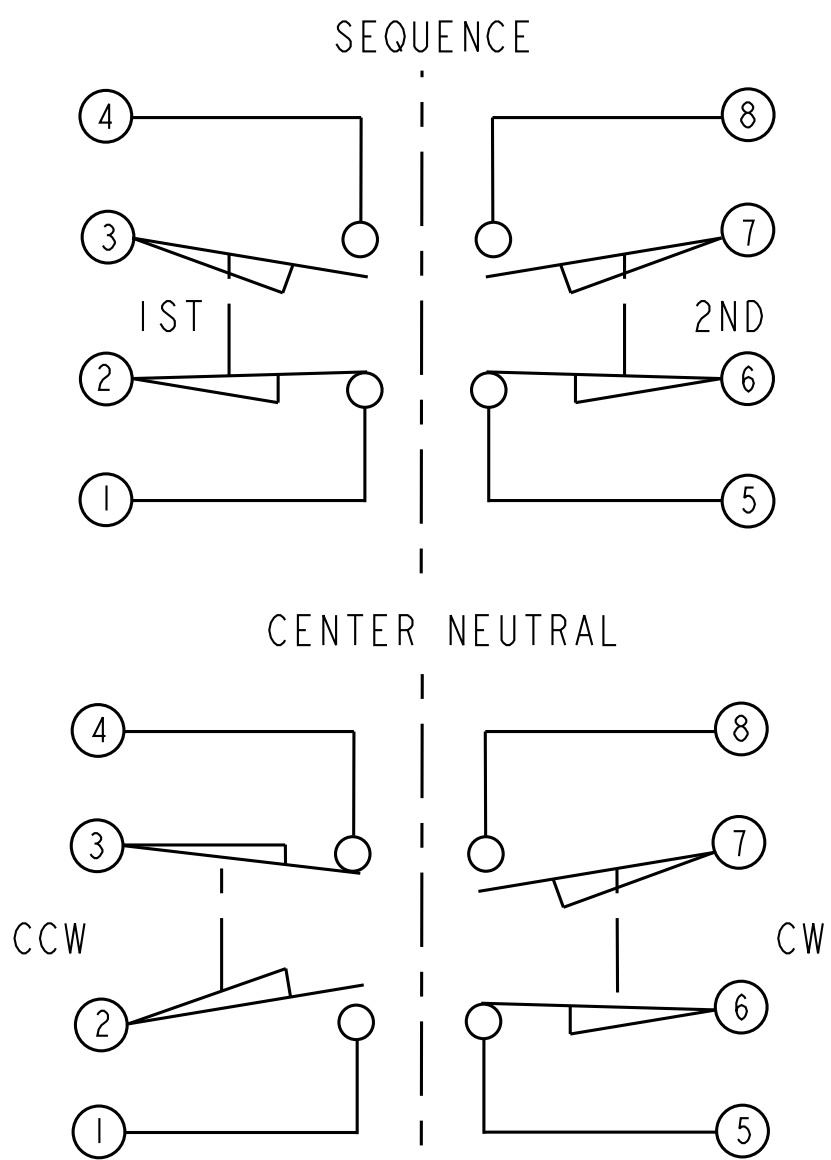
ENVIRONMENTAL RATING
IP67 NEMA/UL TYPES 1, 3, 4, 6, 7, 9 AND 13

DESIGN UNITS: MM [INCH] TOLERANCES UNLESS NOTED: NO PLACES X ± ONE PLACE .X ± .030 TWO PLACE .XX ± .015 THREE PLACE .XXX ± .005 ANGLES X ±	DRAWN	LK	18NOV09	Honeywell			
	CHECK	KRB	18NOV09				
	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE			
	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SWITCH - ENCLOSED			
THIRD ANGLE PROJECTION 	SIZE D TYPE I CAGE CODE			DRAWING NAME		REV	
	Pro/ENGINEER 3D			BX SERIES CHART 1		14	
SCALE 1:1			SHEET 1 OF 6				

D



DOUBLE POLE



ELECTRICAL RATINGS
10 AMP CONT.

A.C. VOLTAGE					POWER FACTOR
	SINGLE POLE MAKE	BREAK	DOUBLE POLE 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

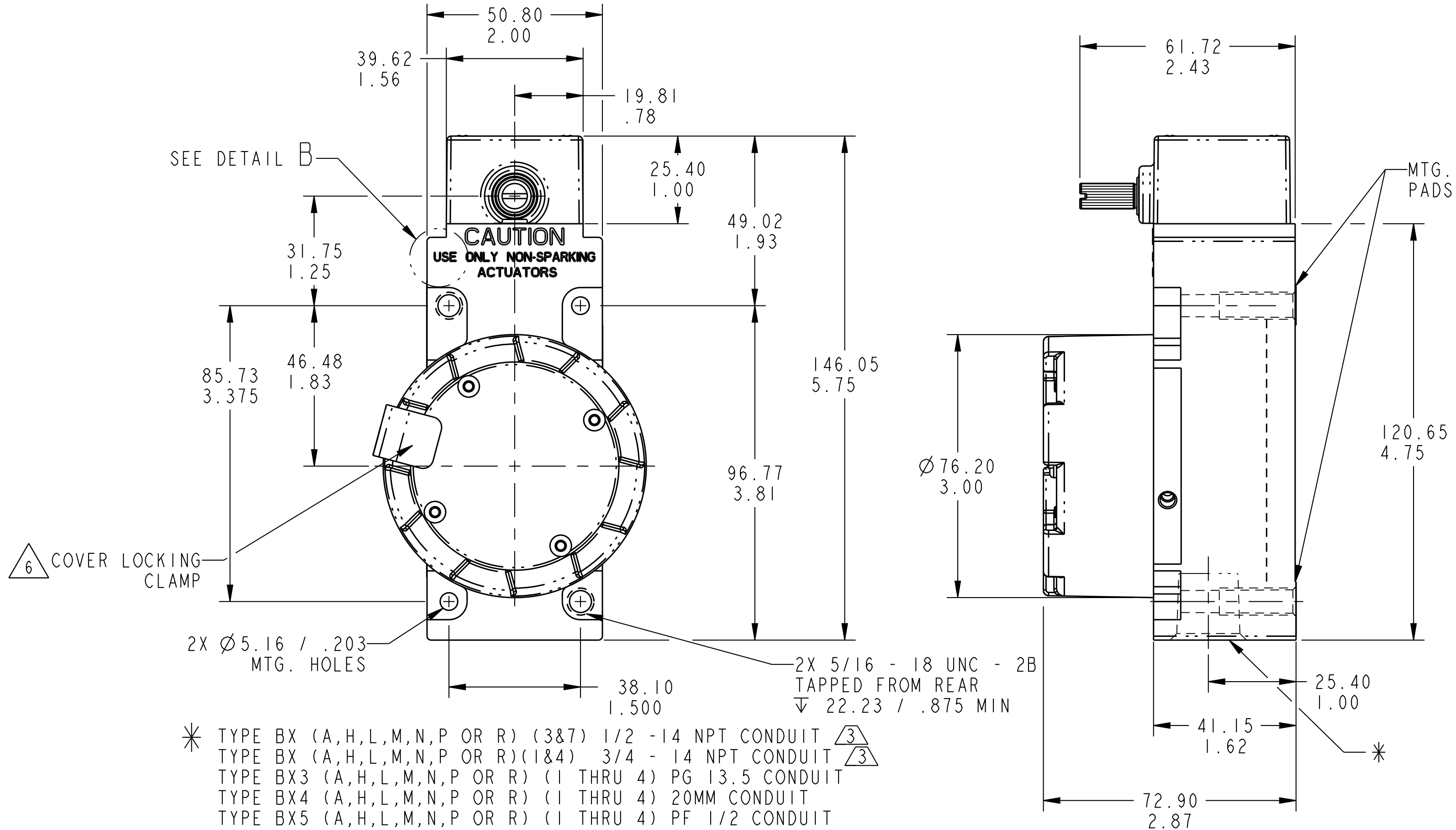
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C

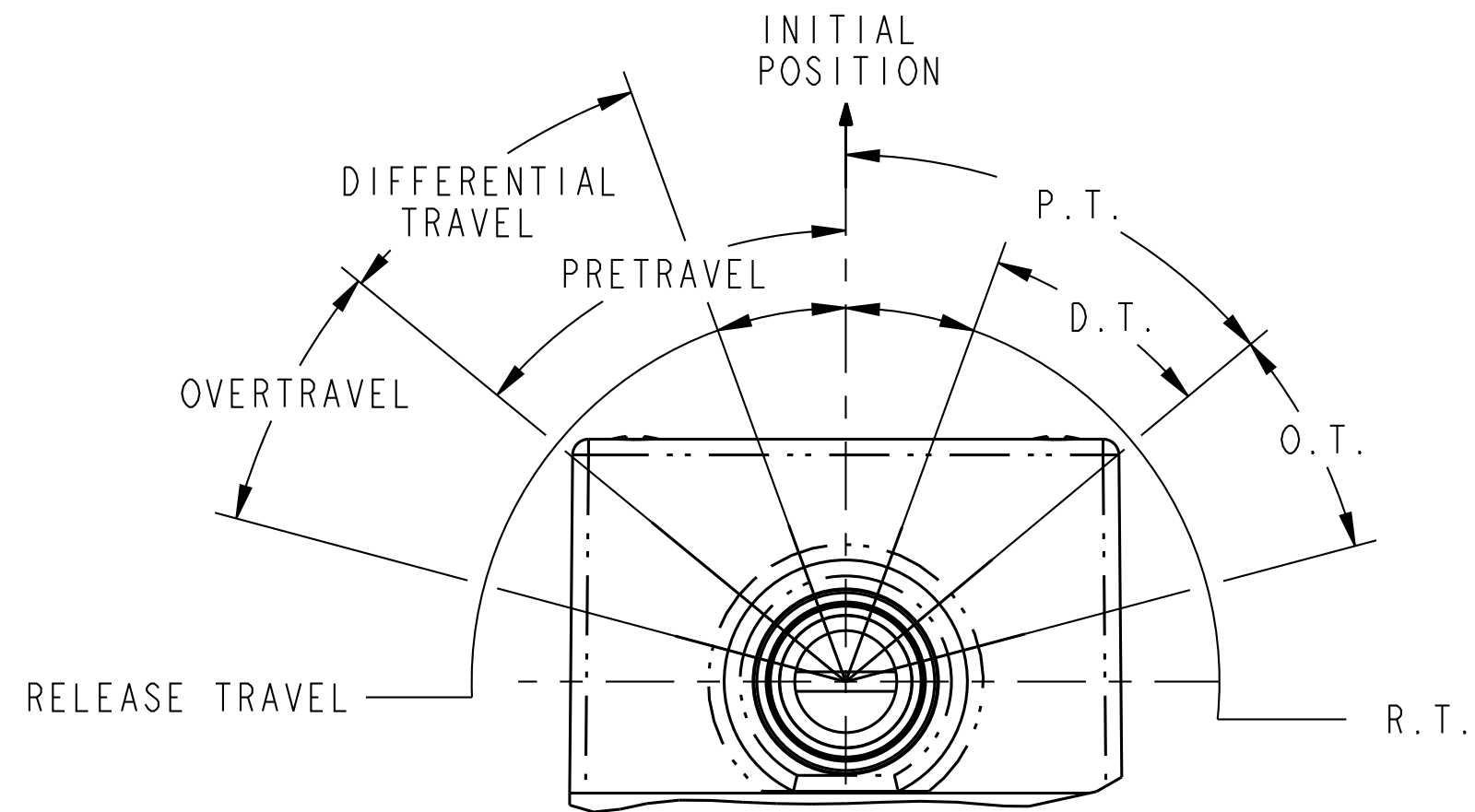
B

A

SIDE ROTARY

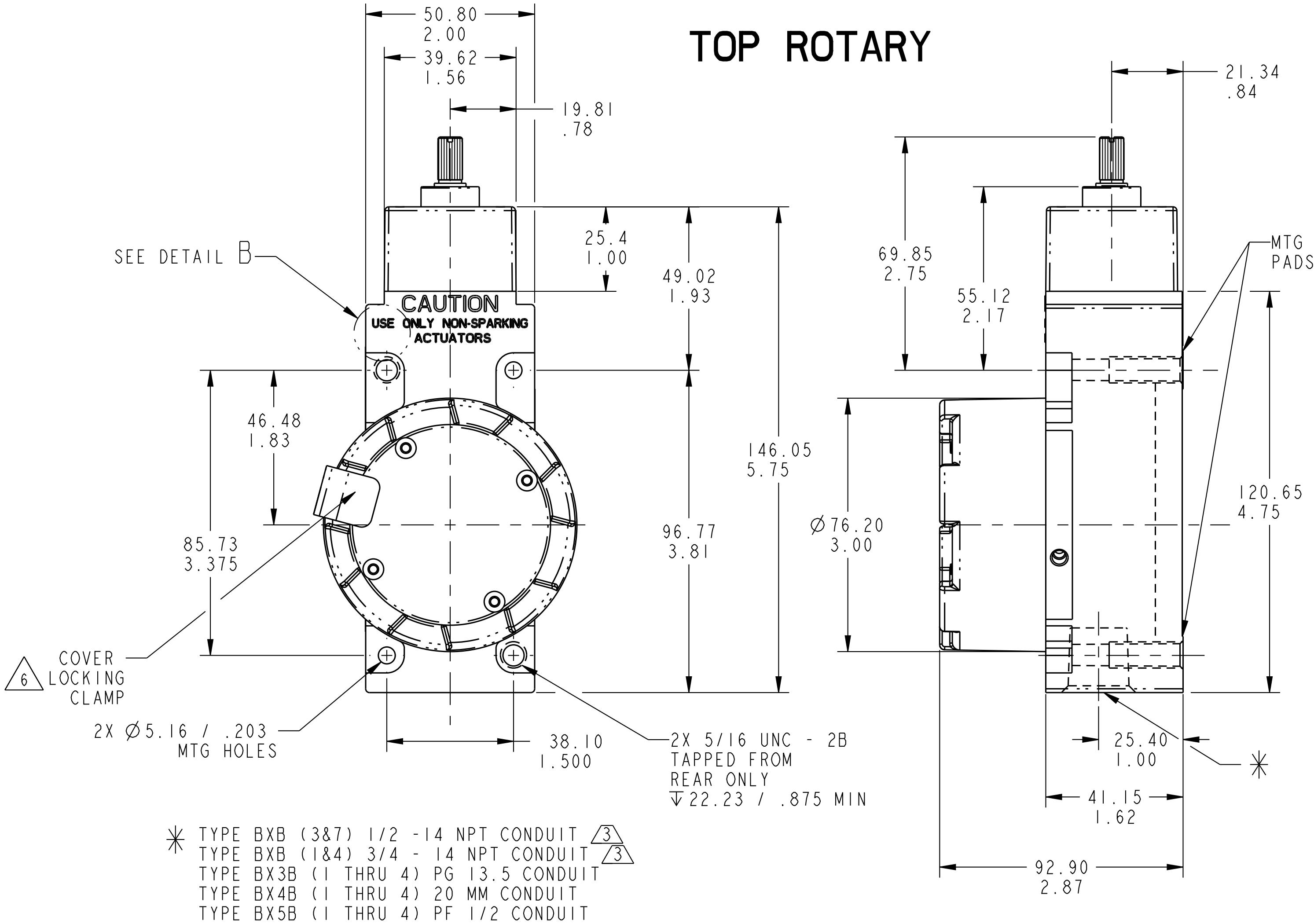


OPERATING DATA - SIDE ROTARY

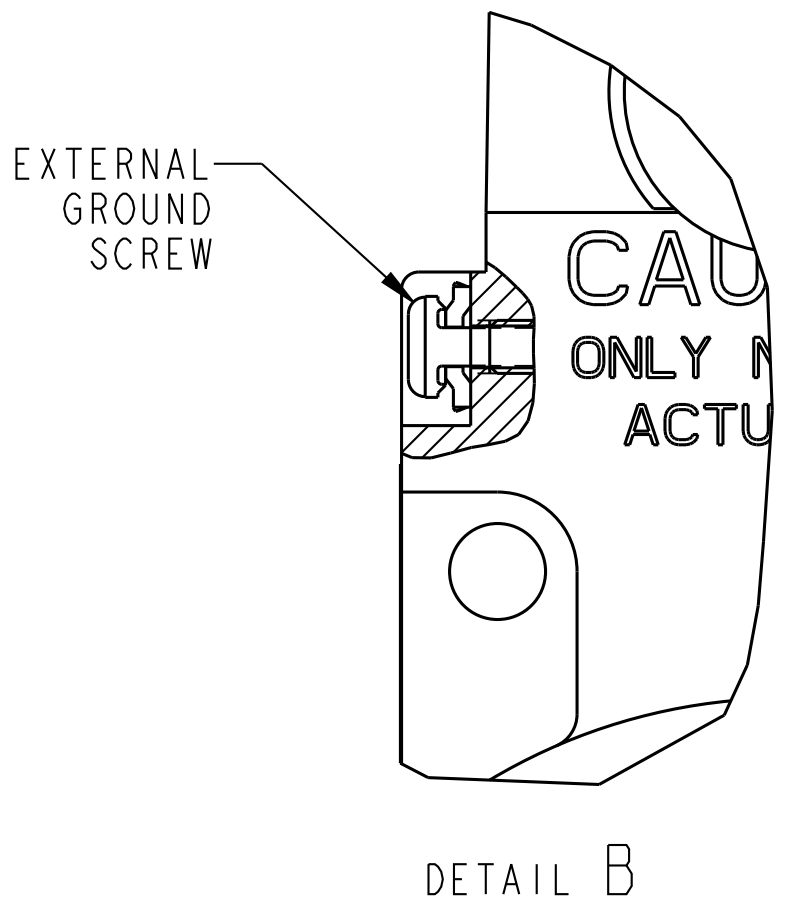


OPERATING CHARACTERISTICS	BXA MOMENTARY		BXR MOMENTARY LOW TORQUE		BXN MAINTAINED	BXP MOMENTARY LOW PRETRAVEL & DIFFERENTIAL TRAVEL		BXH MOMENTARY LOW PRETRAVEL & LOW TORQUE		BXL SEQUENCE DOUBLE POLE ONLY		BXM CENTRAL NEUTRAL DOUBLE POLE ONLY	
PRE-TRAVEL (MAX)	15°		15°		65°	9°		9°		1ST STEP 15° 2ND STEP 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 4 IN. LBS		.193 N/M 4 IN. LBS		.454 N/M 4 IN. LBS	.454 N/M 4 IN. LBS		.193 N/M 1.7 IN. LBS		.454 N/M 4 IN. LBS		.454 N/M 4 IN. LBS	
FULL TRAVEL TORQUE (MAX)	.454 N/M 4 IN. LBS		.193 N/M 4 IN. LBS		-	.454 N/M 4 IN. LBS		.193 N/M 1.7 IN. LBS		.454 N/M 4 IN. LBS		.454 N/M 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 2.5 IN. LBS	.283 N/M 2.5 IN. LBS
TOTAL TRAVEL (REF)	135°	135°



D

C

B

A

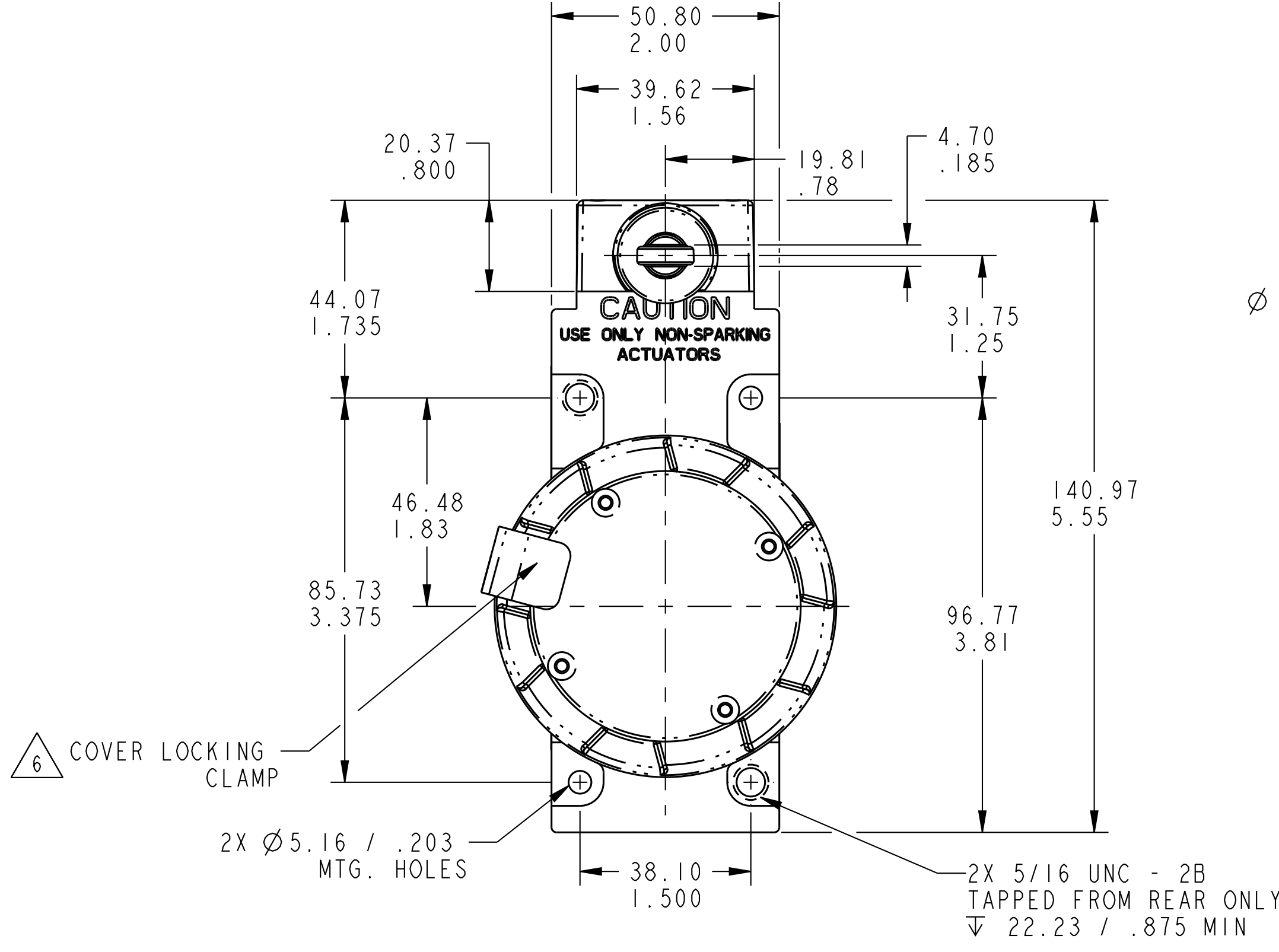
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C

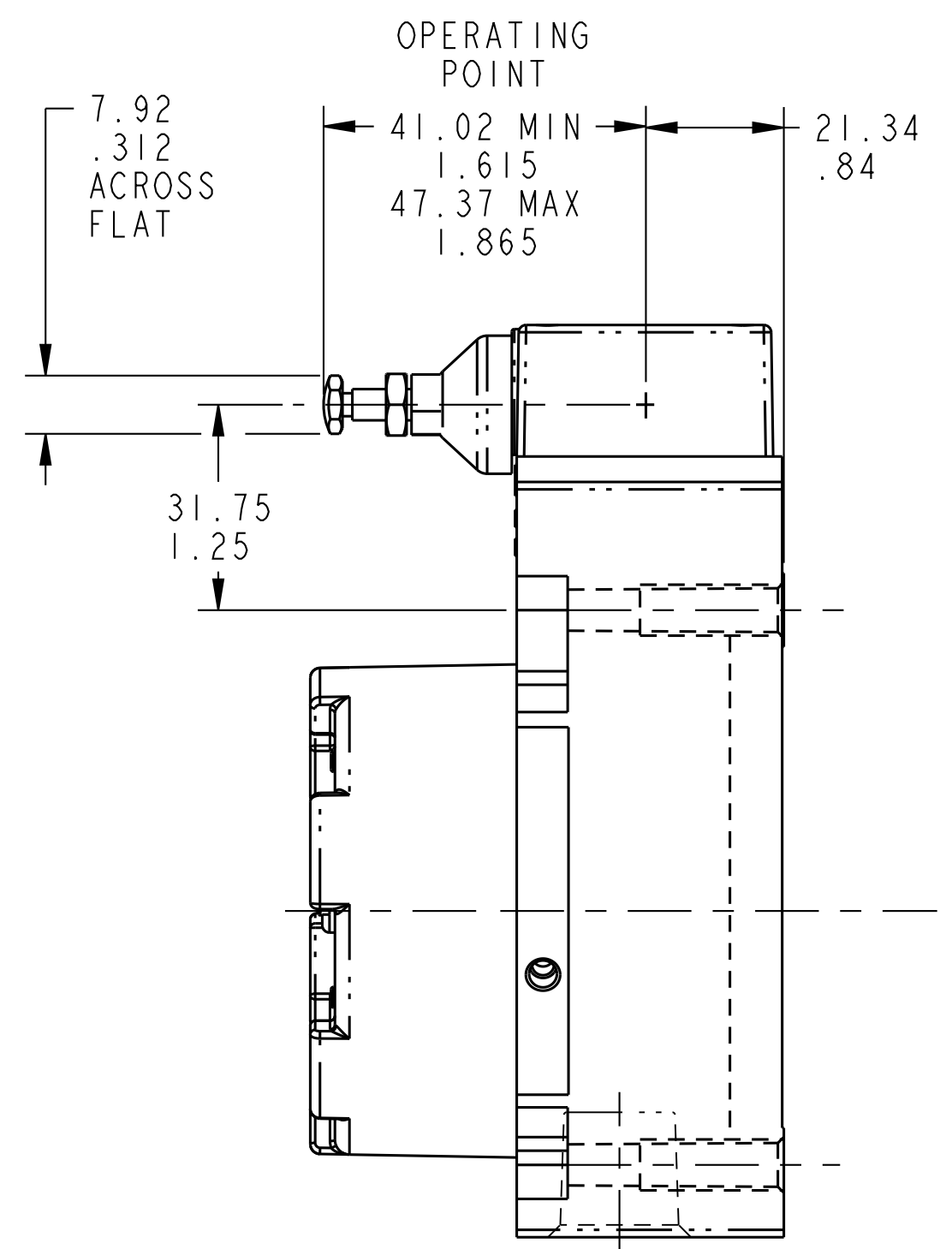
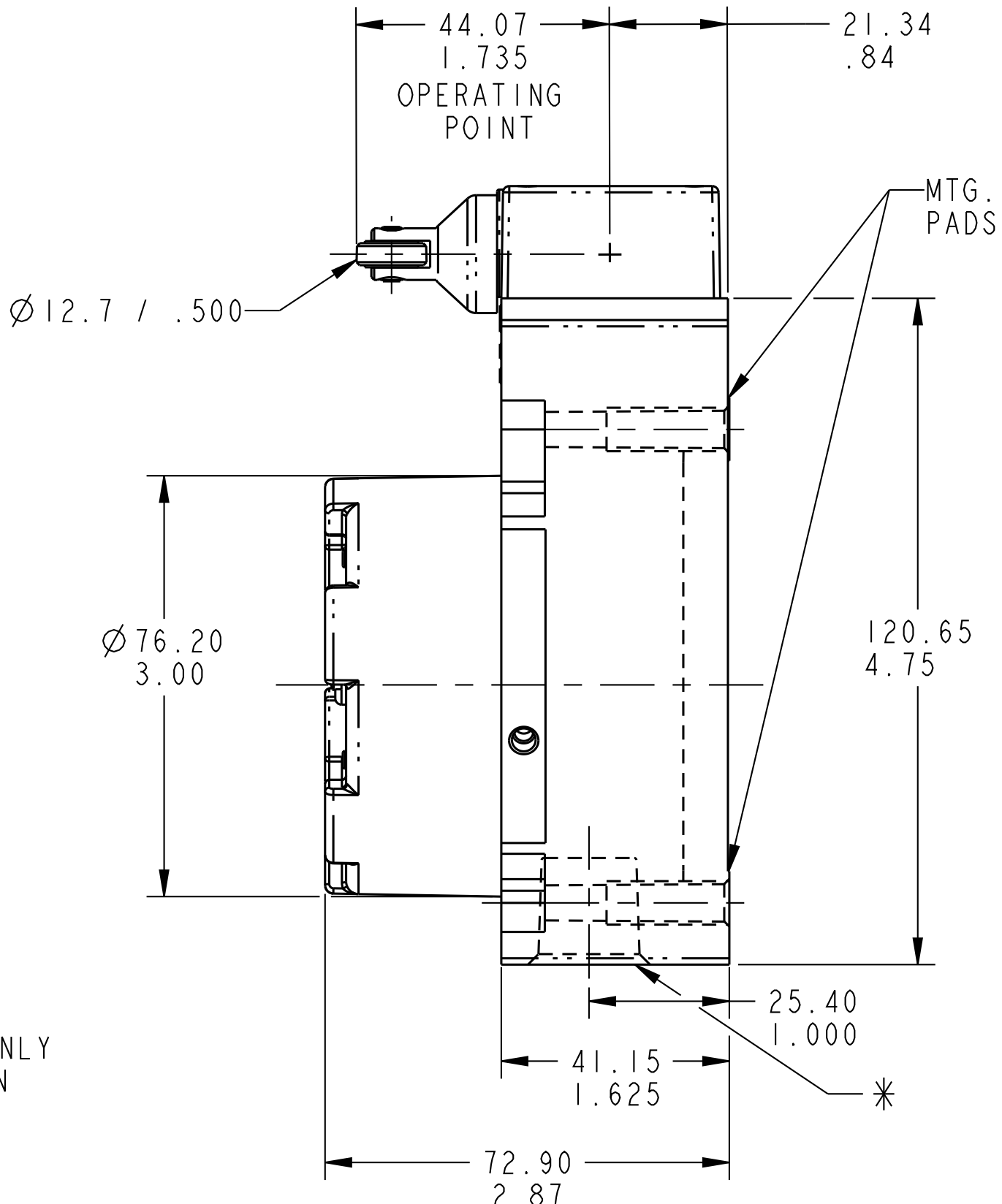
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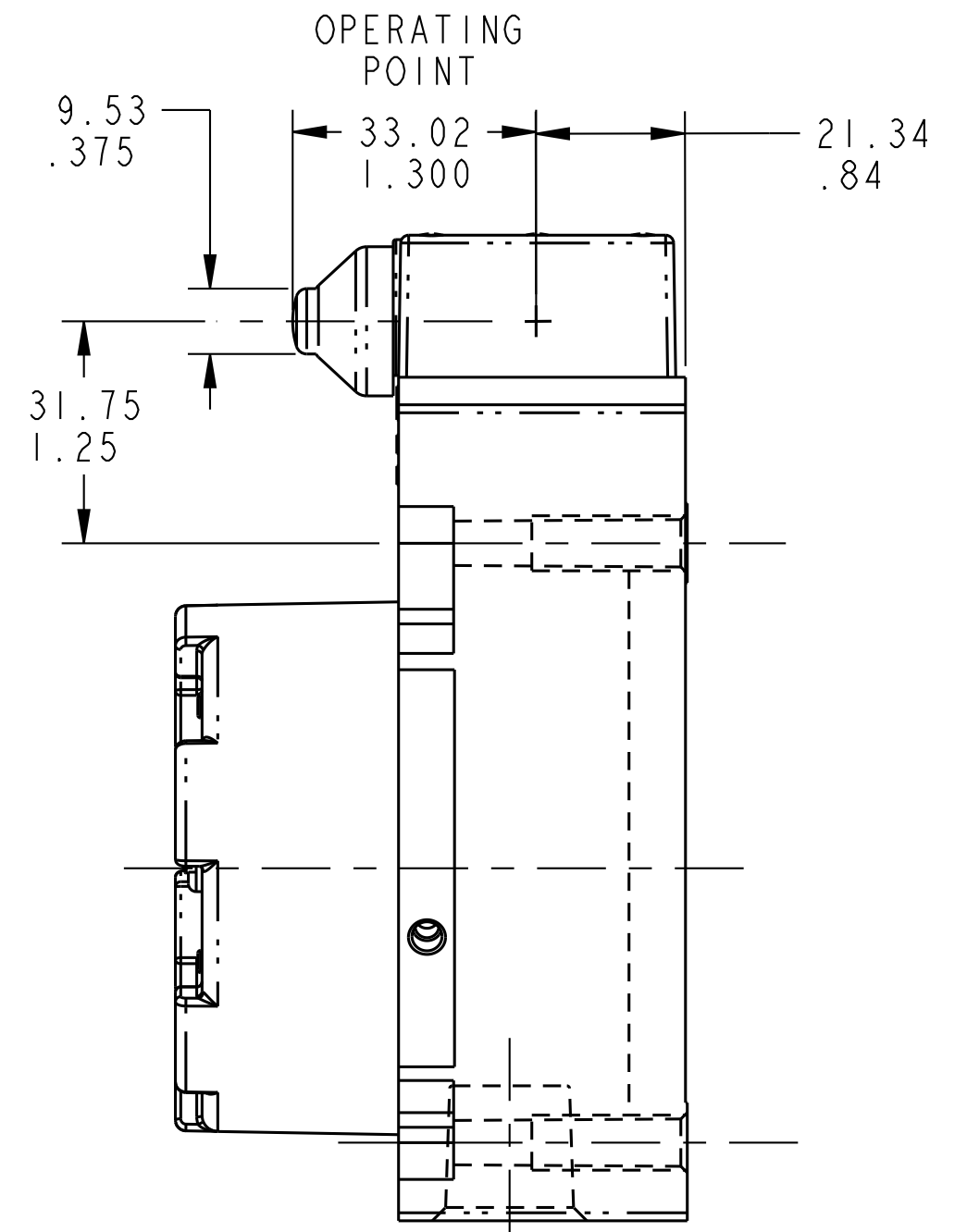
SIDE PLUNGER



- * 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



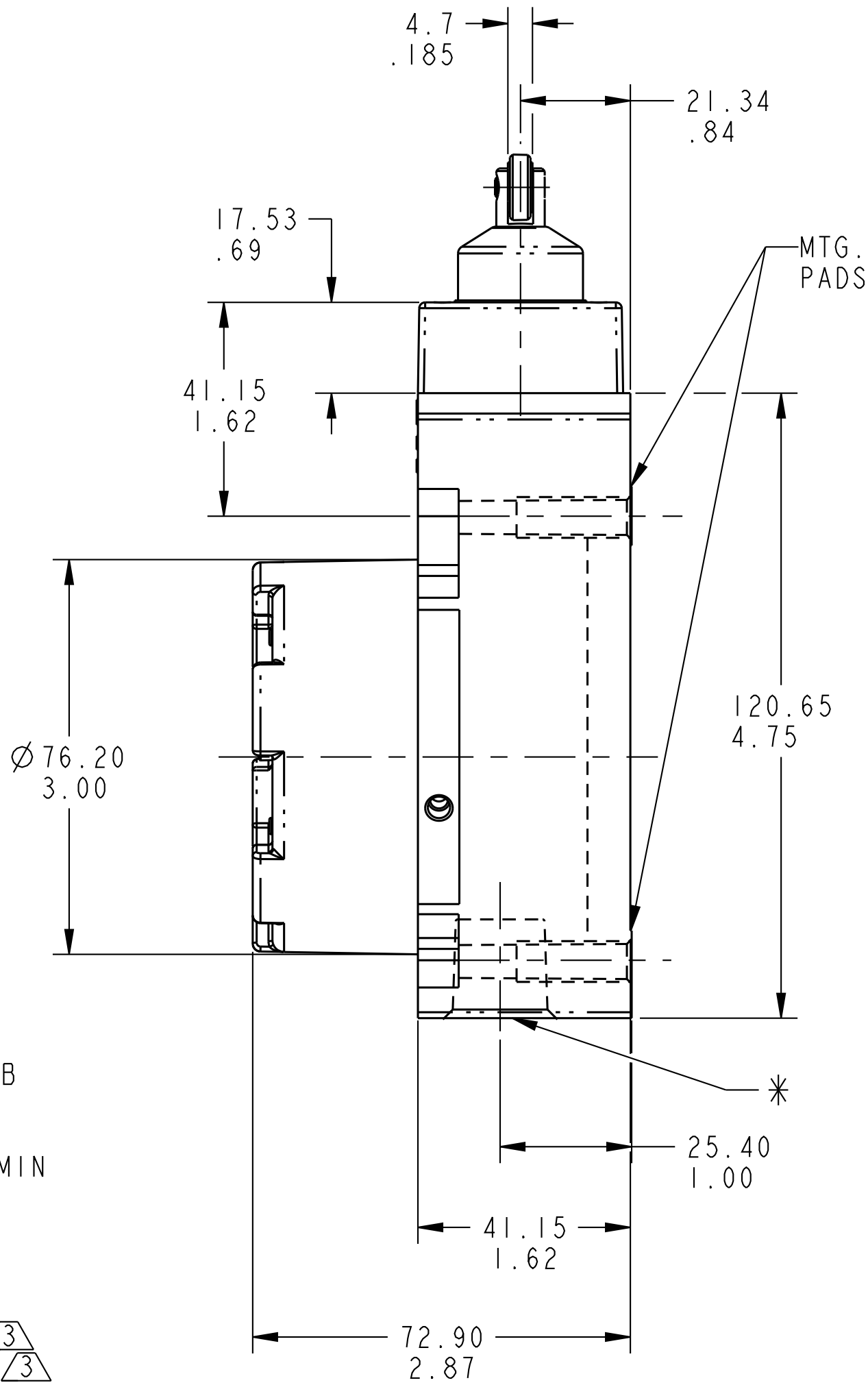
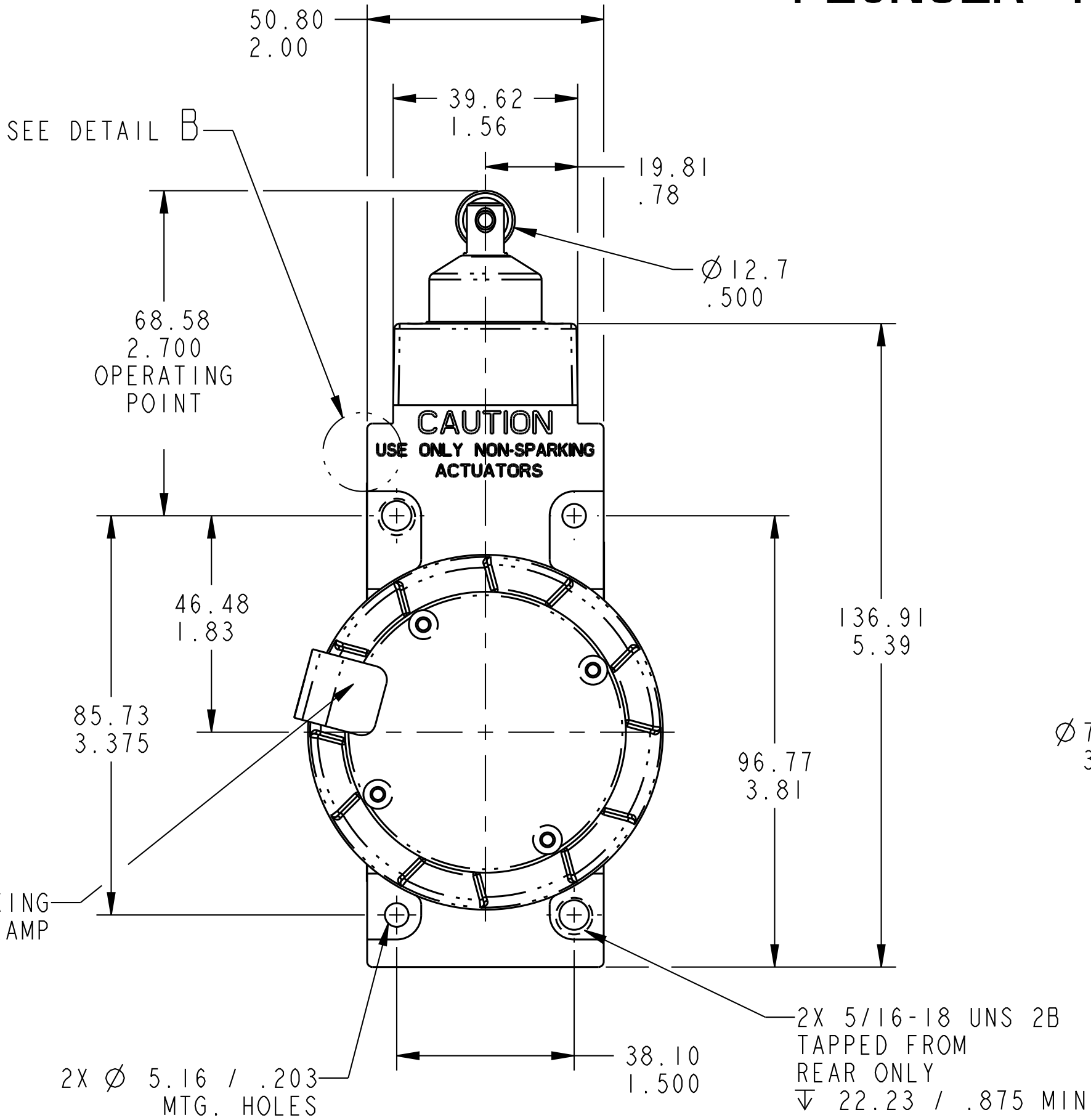
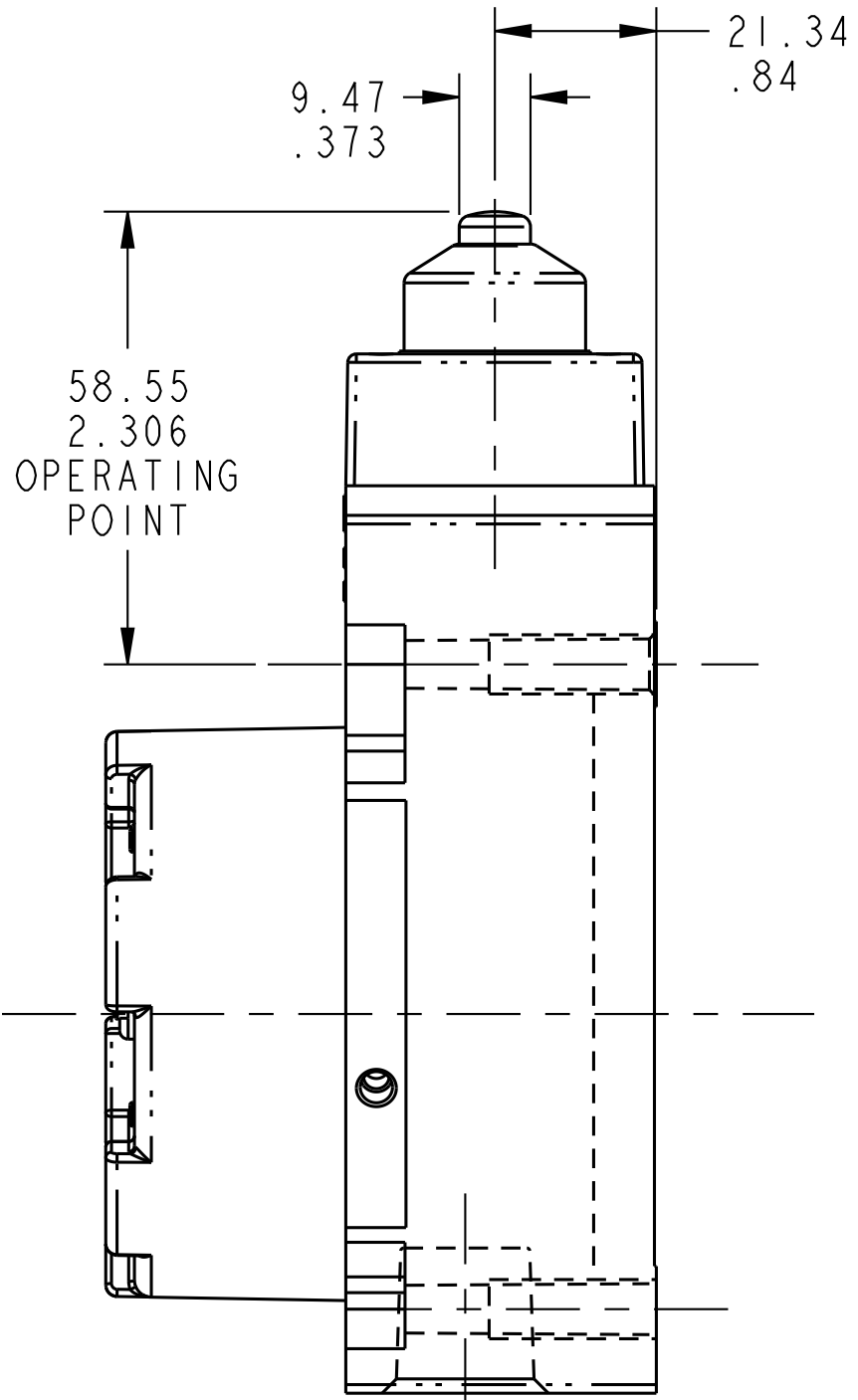
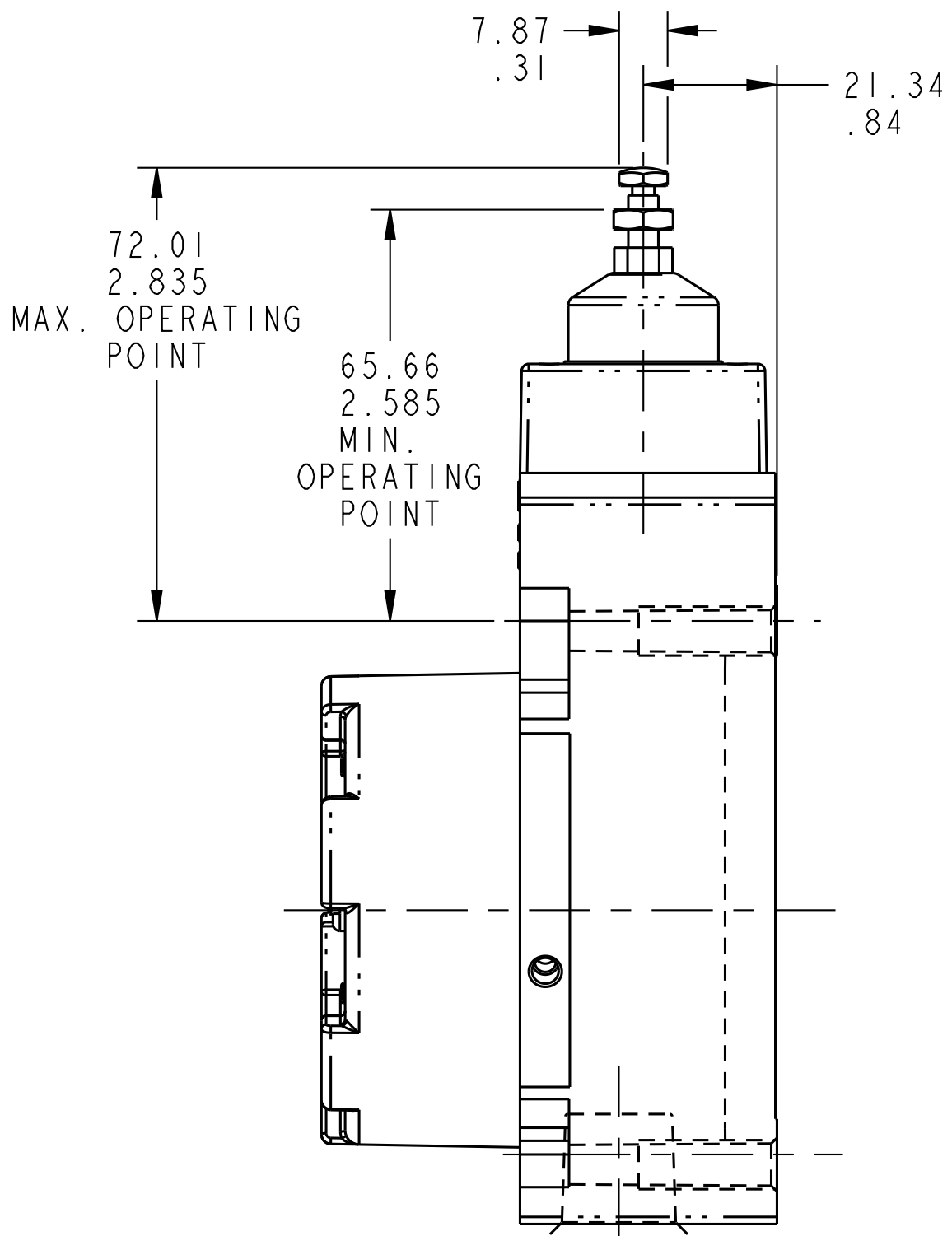
- * TYPE BXE (3&7) 1/2 -14 NPT CONDUIT
TYPE BXE (1&4) 3/4 - 14 NPT CONDUIT
TYPE BX3E (1 THRU 4) PG 13.5 CONDUIT
TYPE BX4E (1 THRU 4) 20 MM CONDUIT
TYPE BX5E (1 THRU 4) PF 1/2 CONDUIT

OPERATING POINT GIVEN
IN RELATION TO CENTER OF HEAD

SIDE PLUNGER TYPES

CHARACTERISTICS	BXE PLUNGER	BXF ROLLER PLUNGER	BXW ADJUSTABLE PLUNGER	SEQUENCE BASIC		
				BXE	BXF	BXW
PRE-TRAVEL (MAX)	2.54 / .100	2.54 / .100	2.54 / .100	1ST STEP 2.54 / .100 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 6 LBS		
OPERATING POINT	33.02 ± .76 / 1.300 ± .030	44.07 ± 1.02 / 1.735 ± .040	41.02 / 1.615 MIN 47.37 / 1.665 MAX	1ST STEP		
				33.27 ± .76 / 1.310 ± .030	44.32 ± 1.02 / 1.745 ± .040	41.28 / 1.625 MIN. 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 6 LBS		

PLUNGER TYPE TOP



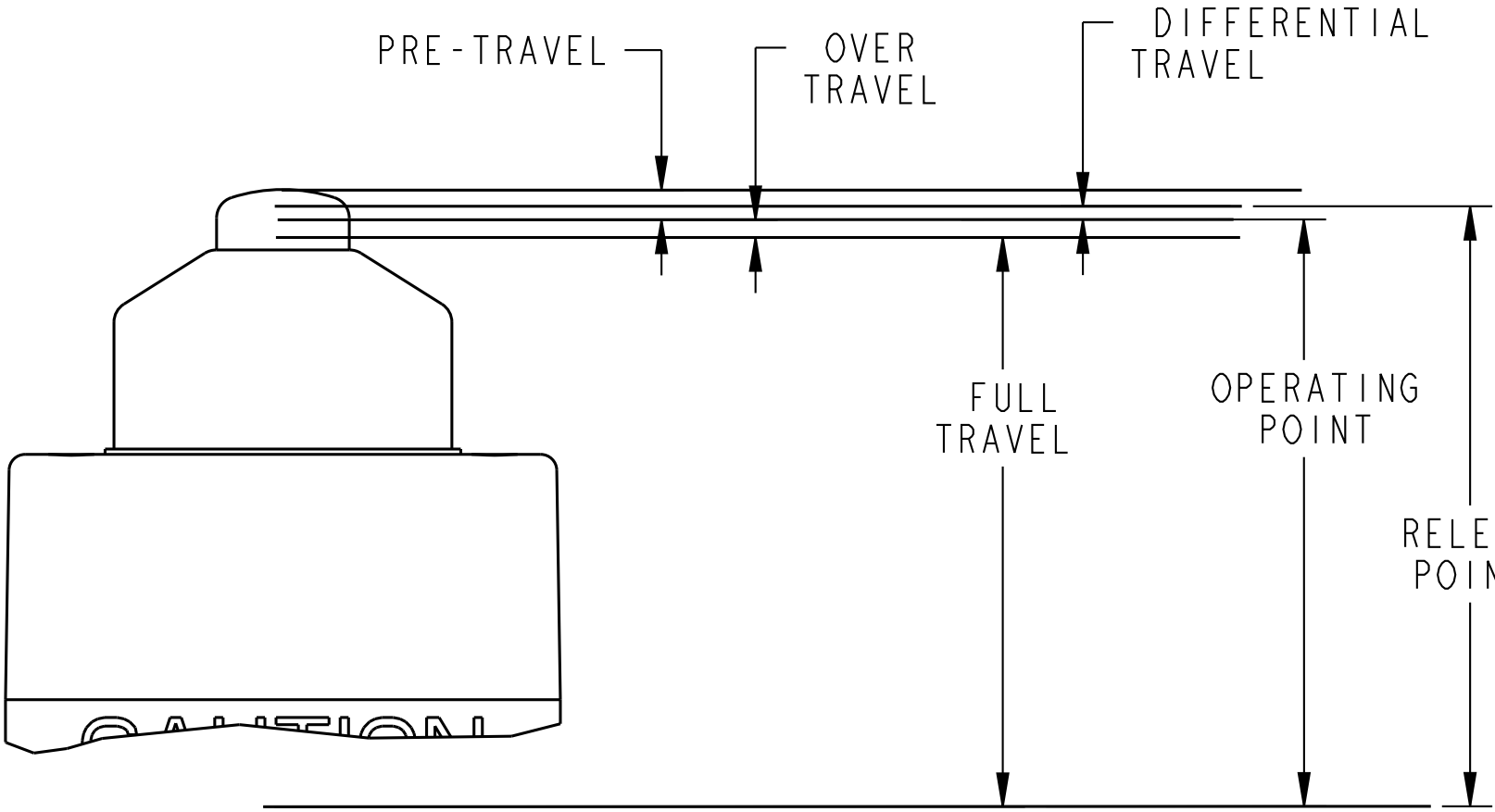
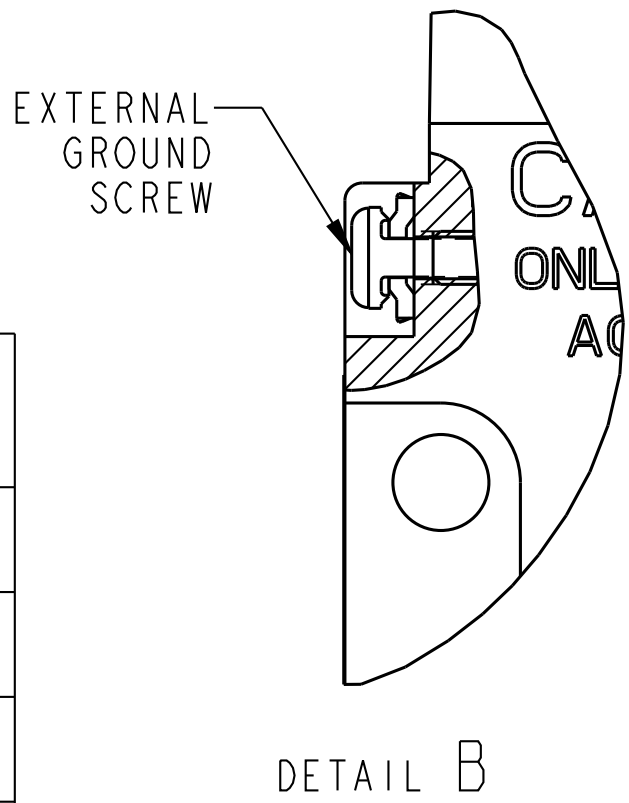
* TYPE BXV (3&7) 1/2 -14 NPT CONDUIT
TYPE BXV (1&4) 3/4 - 14 NPT CONDUIT
TYPE BX3V (1 THRU 4) PG 13.5 CONDUIT
TYPE BX4V (1 THRU 4) 20 MM CONDUIT
TYPE BX5V (1 THRU 4) PF 1/2 CONDUIT

* 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

OPERATING POINT GIVEN
IN RELATION TO TOP MOUNTING HOLES

TOP PLUNGER TYPES

CHARACTERISTICS	BXC PLUNGER		BXD ROLLER PLUNGER		BXV ADJUSTABLE PLUNGER		SEQUENCE BASIC			BXG
							BXC	BXD	BXV	
PRETRAVEL(MAX)	1.79 / .070		1.79 / .070		1.79 / .070		1ST STEP 1.79/.070 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

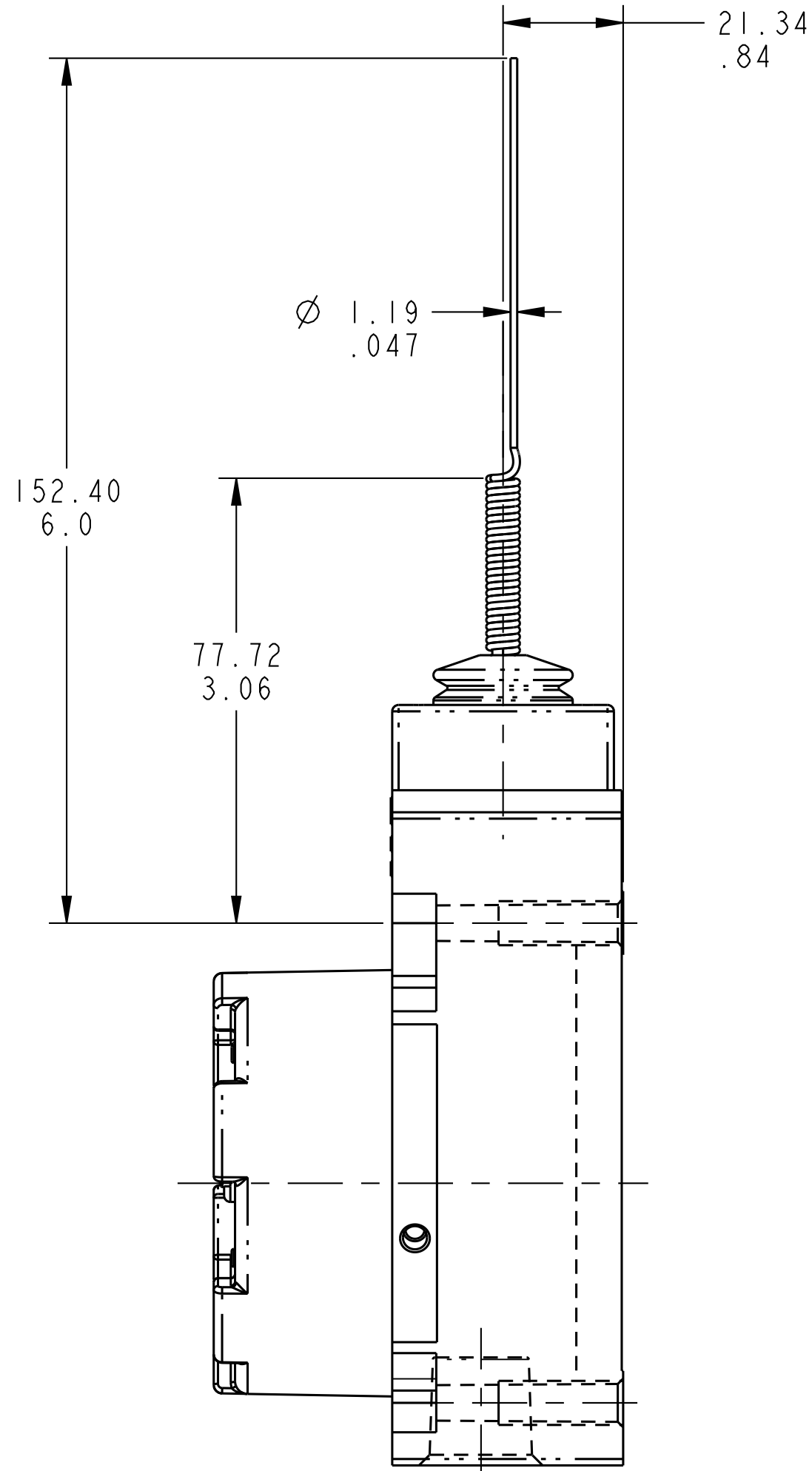
C

B

A

A

CAT WHISKER



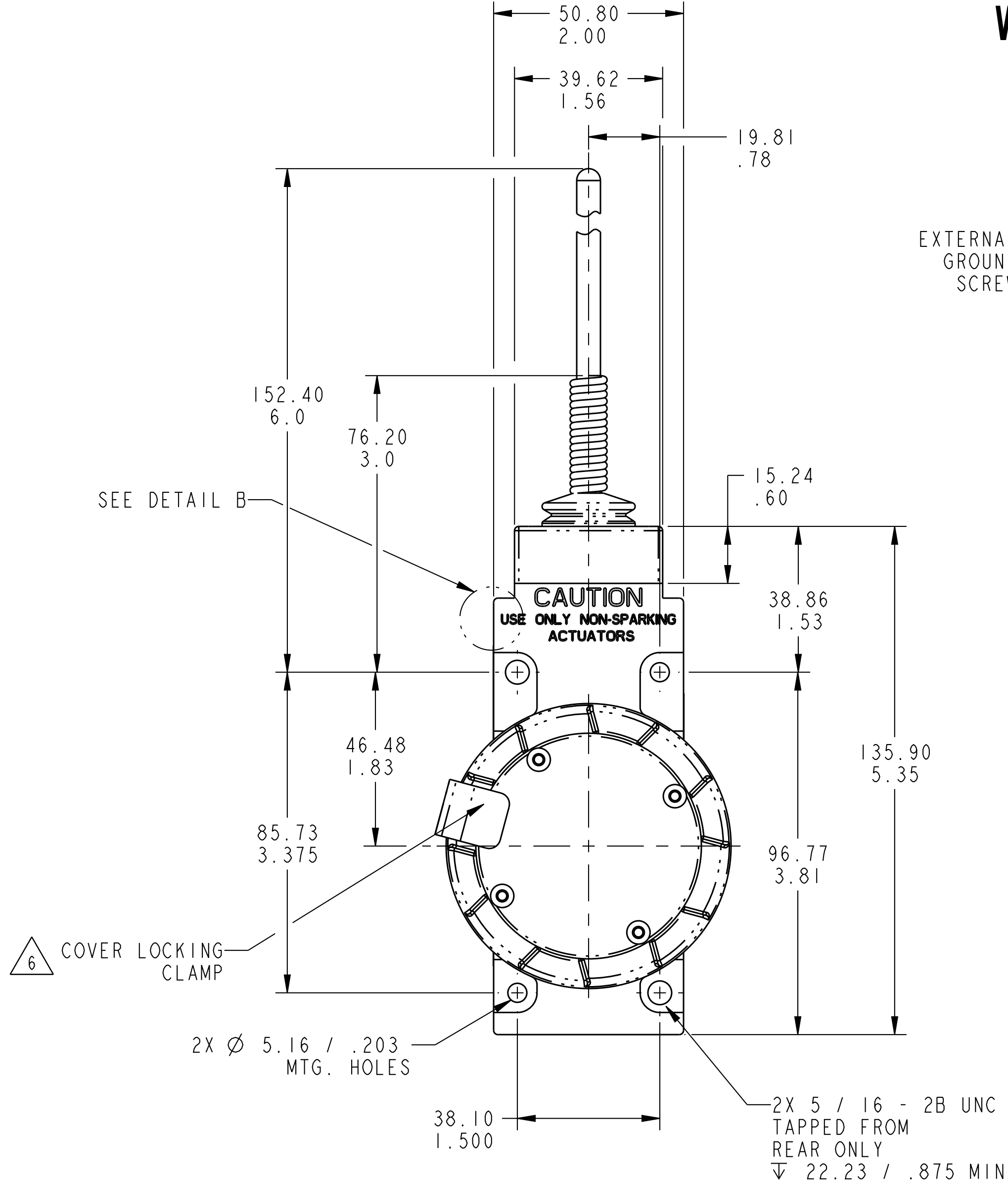
WIRE EXTENSION
TYPE 8A ACTUATOR

TYPE BXK (3&7) 1/2 -14 NPT CONDUIT $\triangle 3$
TYPE BXK (1&4) 3/4 - 14 NPT CONDUIT $\triangle 3$
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 50.80 2.0	ROD 25.40 1.0
OPERATING FORCE - OZ (MAX)	1.4 N 5.0	2.8 N 10.0

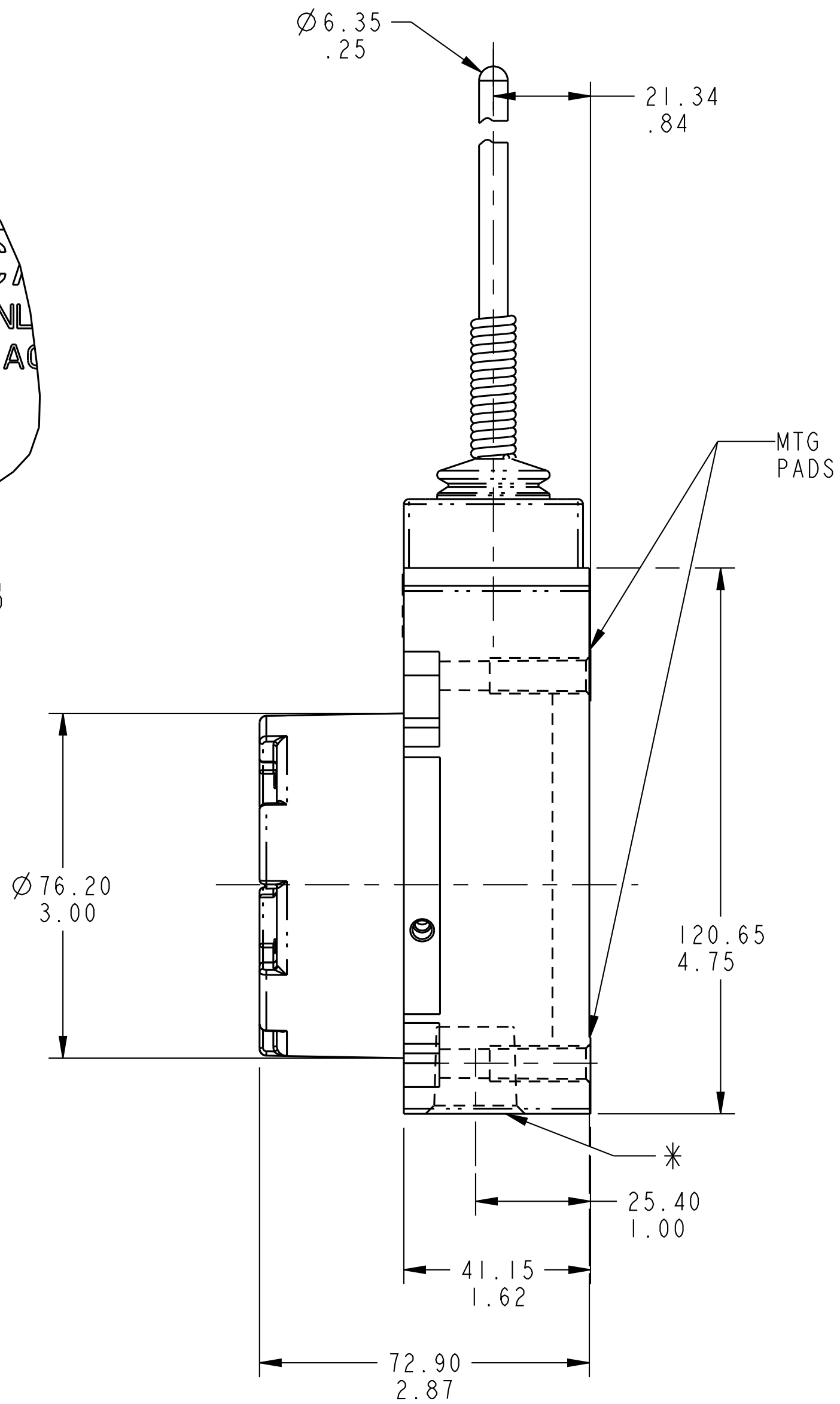
WOBBLE STICK



PLASTIC EXTENSION
TYPE 7A ACTUATOR

TYPE BXJ (3&7) 1/2 -14 NPT CONDUIT $\triangle 3$
TYPE BXJ (1&4) 3/4 - 14 NPT CONDUIT $\triangle 3$
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



Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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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.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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

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