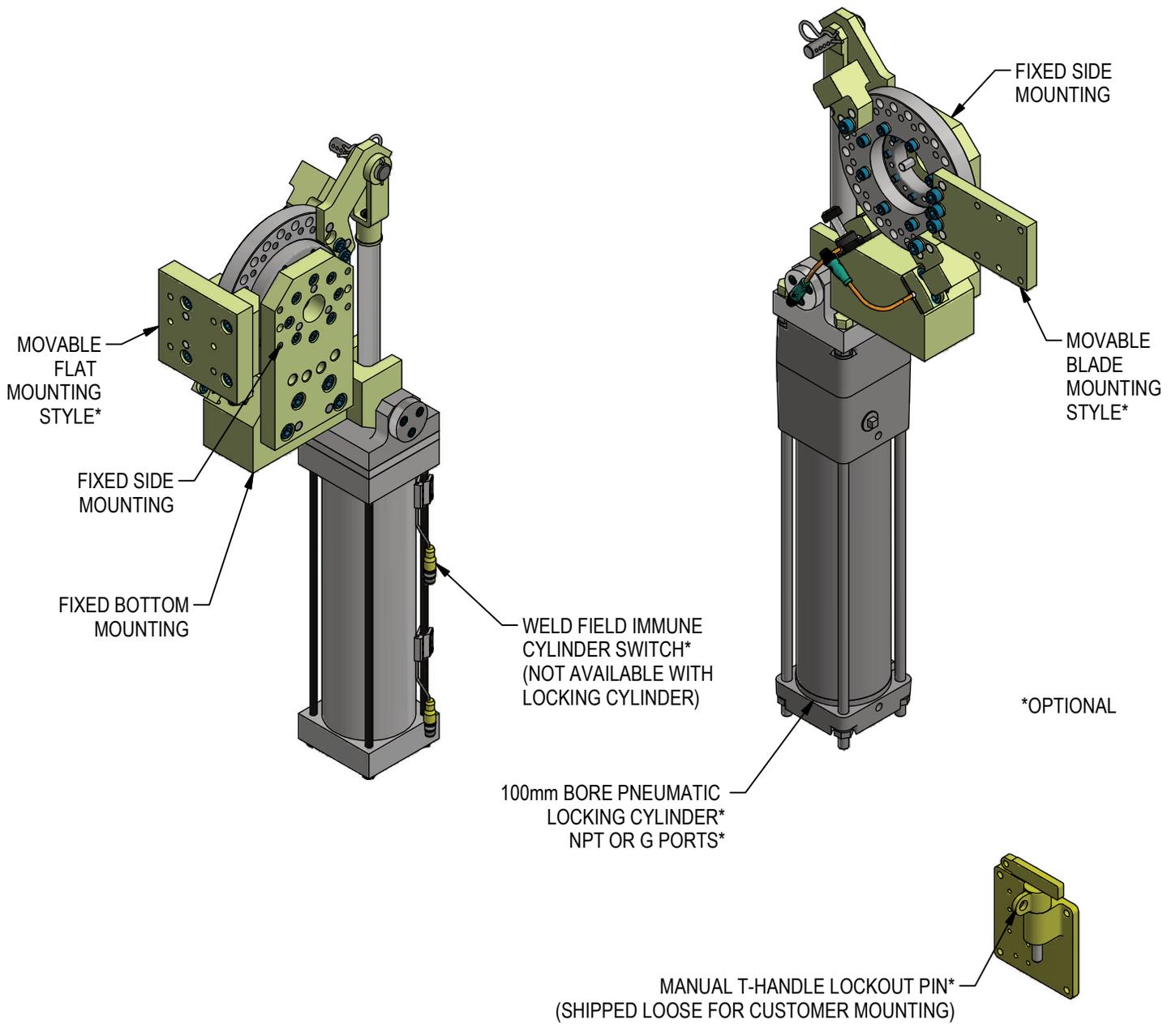
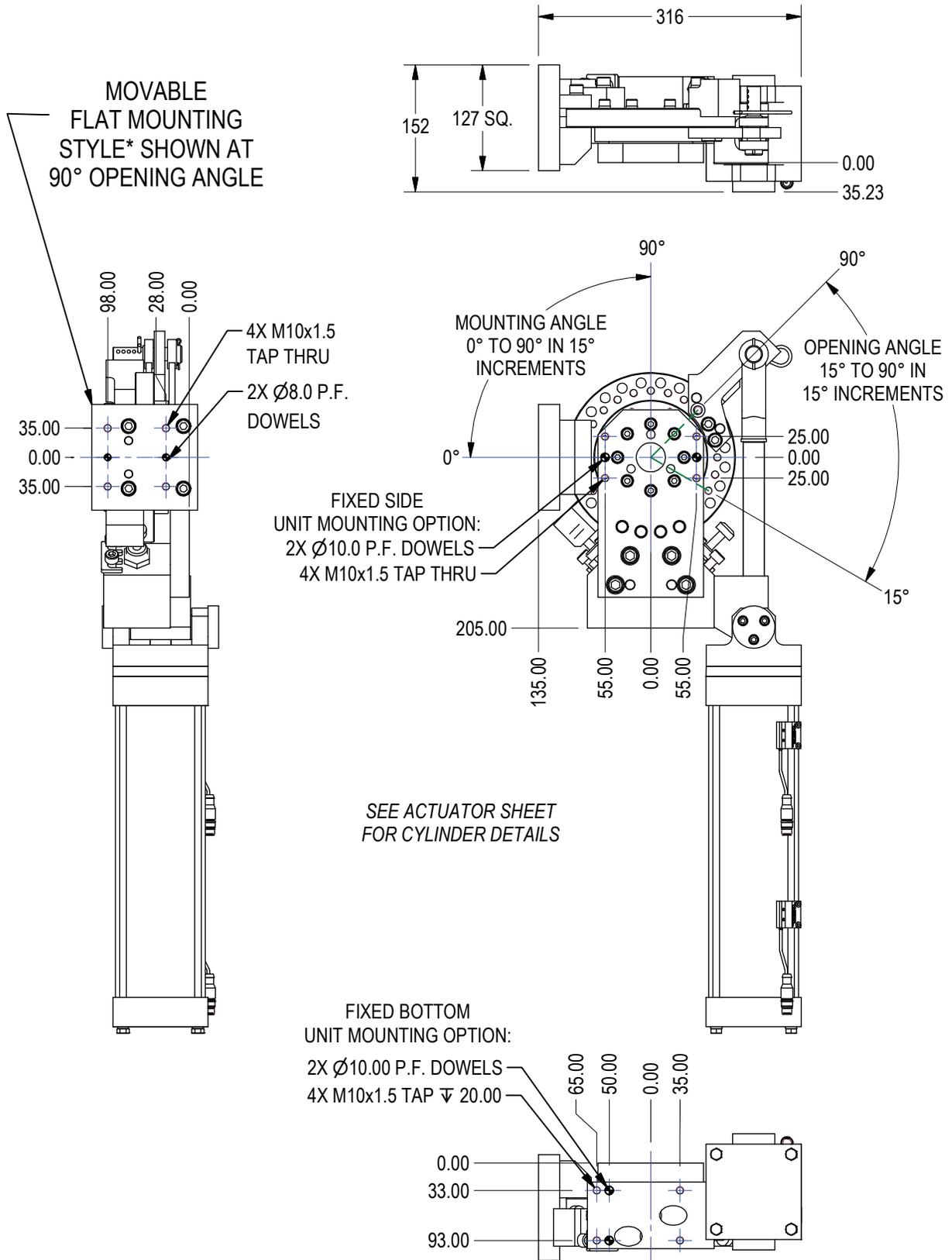


FLEX PIVOT NWP



RELEASED 8/30/21

GENERAL DIMENSIONS

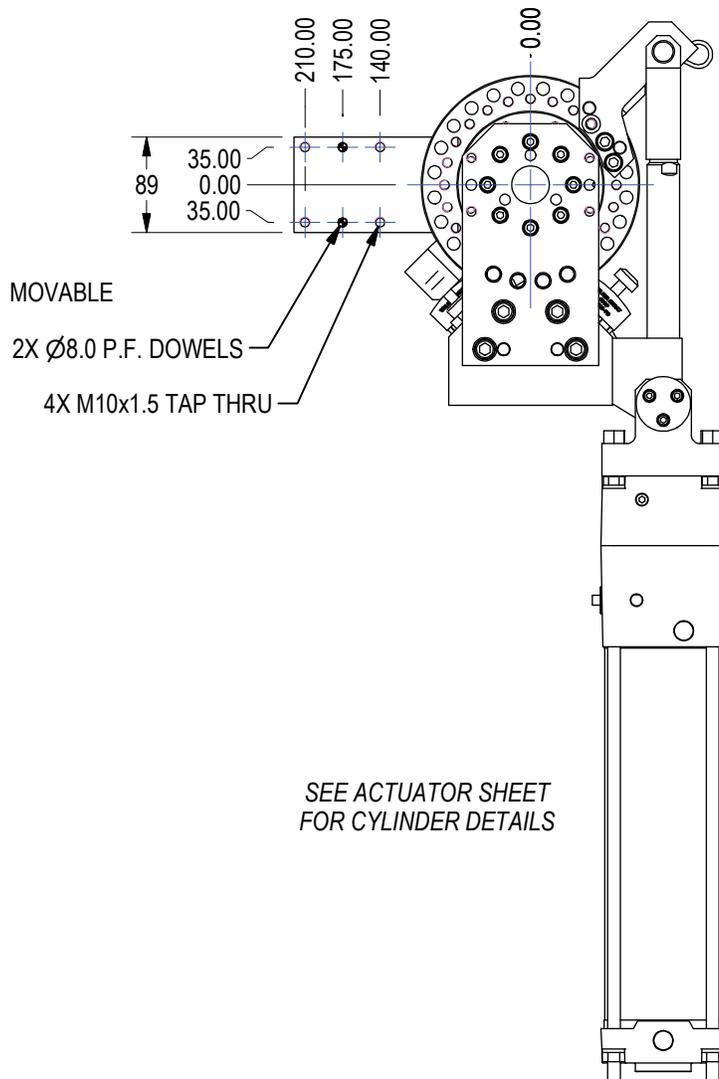
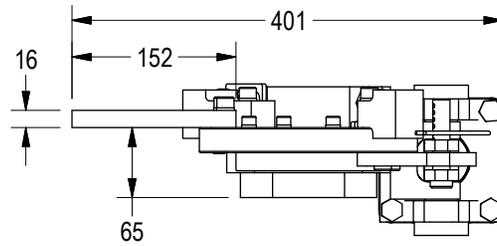


(DO NOT SCALE DRAWING)

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BLADE MOUNTING STYLE*

SHOWN AT 90° OPENING ANGLE



*OPTIONAL

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ACTUATOR INFORMATION

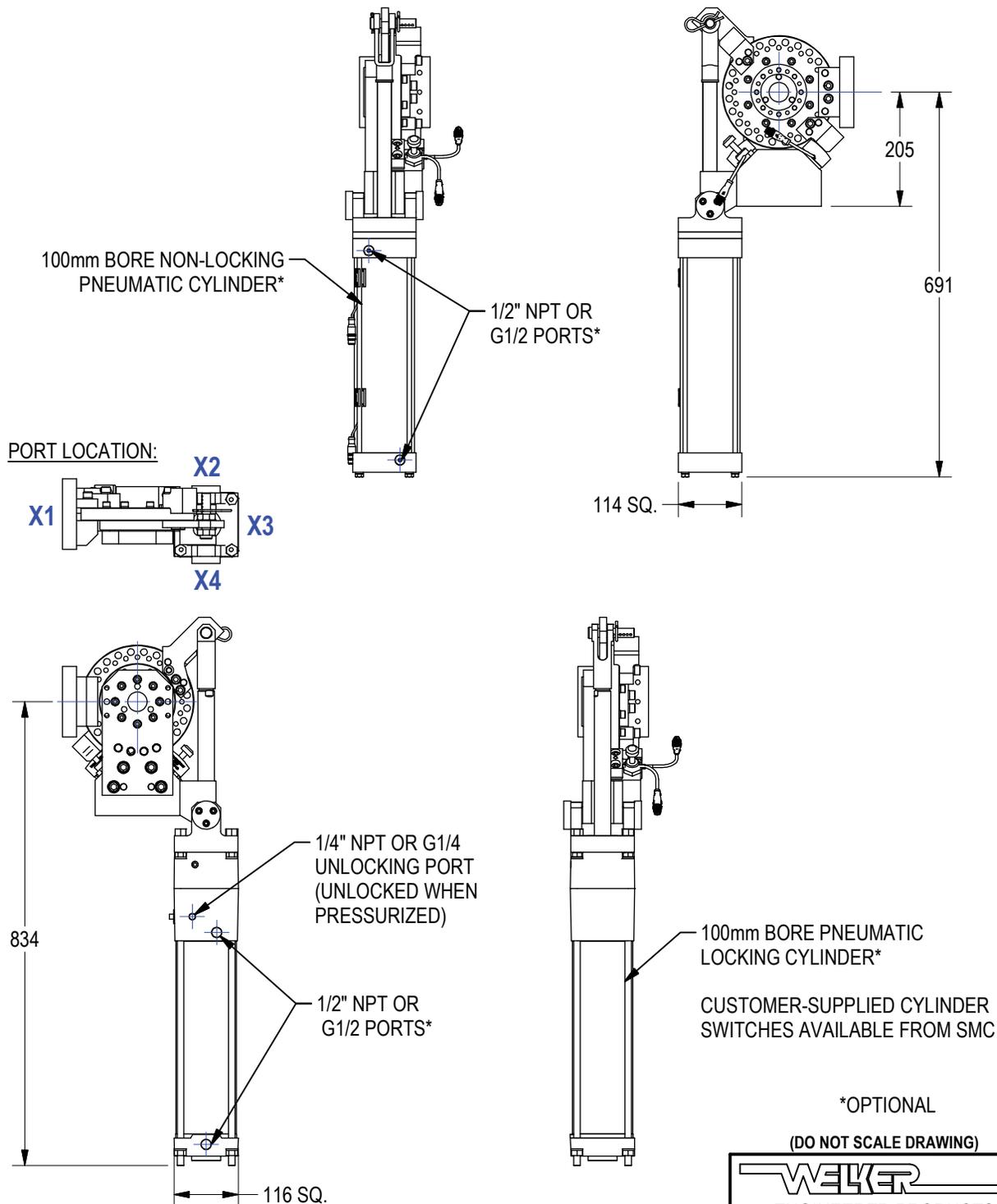
NWP 90 [] [] X 00 [] L3 X 0

Actuator

- 01 100mm Bore Air Cylinder w NPT ports
- 02 100mm Bore Air Cylinder w G ports
- 03 100mm Bore Locking Air Cyl w NPT ports
- 04 100mm Bore Locking Air Cyl w G ports

Port Location

- A Ports @ X1
- B Ports @ X2
- C Ports @ X3
- D Ports @ X4



*OPTIONAL

(DO NOT SCALE DRAWING)

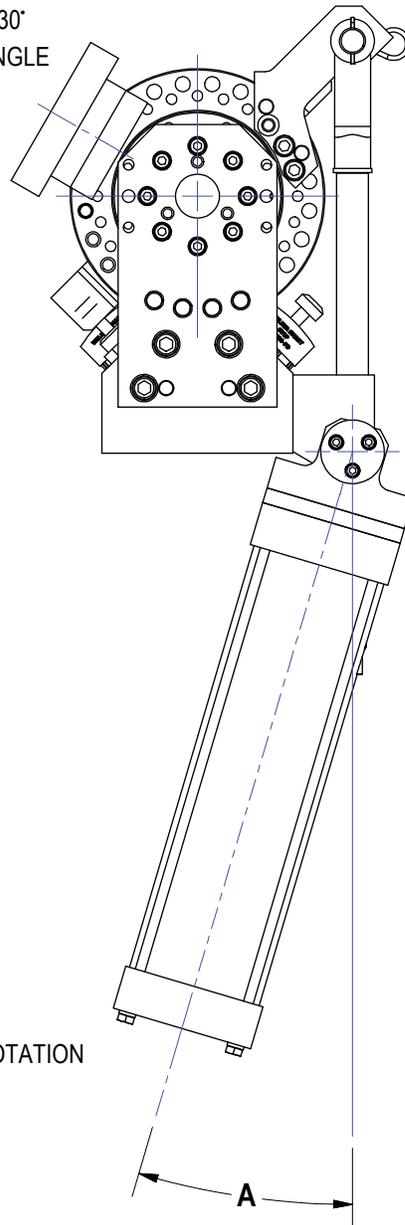
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ACTUATOR INFORMATION

SHOWN AT 30°
MOUNTING ANGLE

CYLINDER SWING CLEARANCE	
OPENING ANGLE	ANGLE A
15°	14°
30°	16.5°
45°	14.5°
60°	10.5°
75°	5.5°
90°	-16.5° - 0

MAX PIVOT ROTATION
AT 30°



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OPENING ANGLE & MOUNTING ANGLE INFORMATION

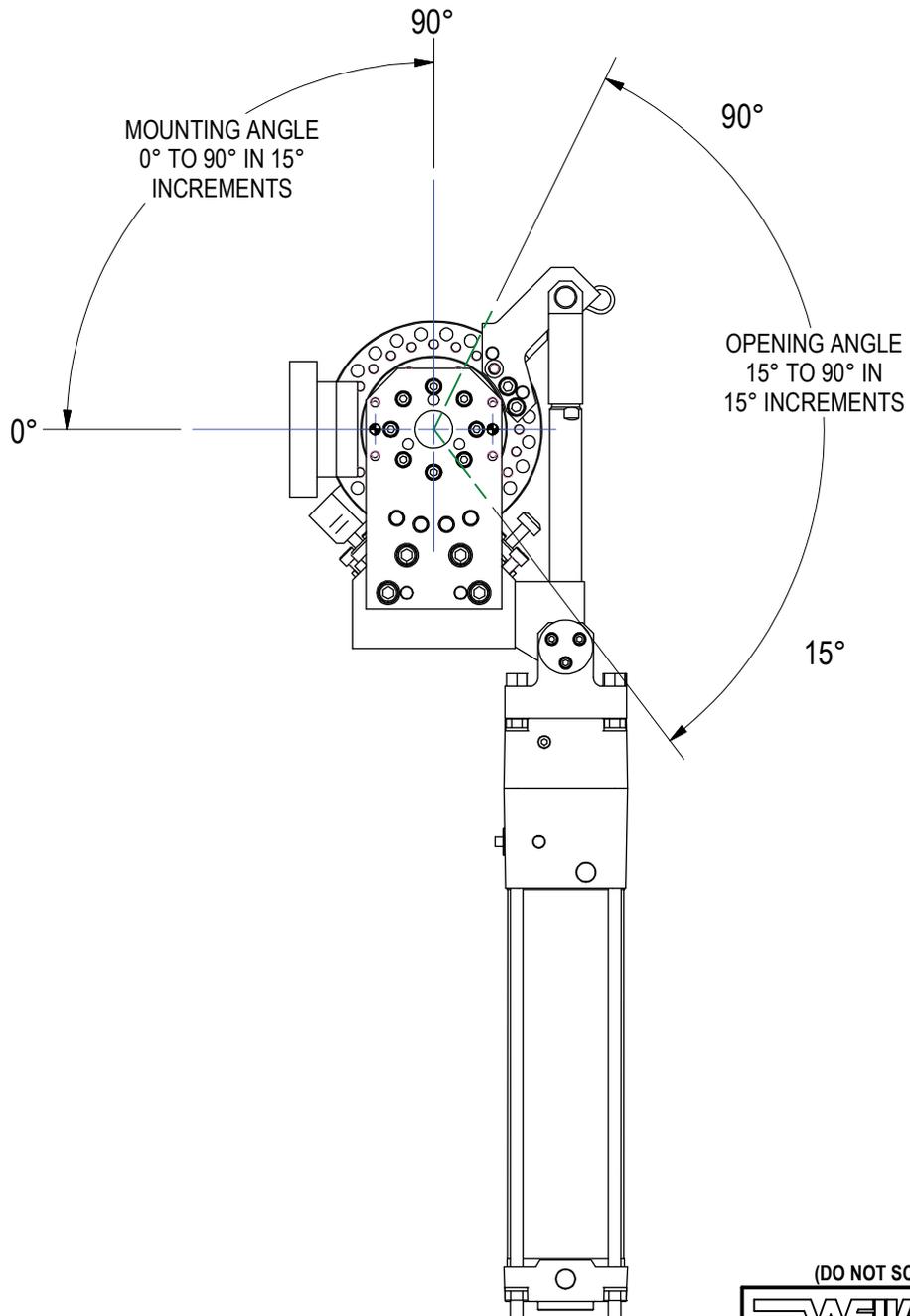
NWP 01 B AL3 M 0

Opening Angle

90 15-90 degree in 15 degree increments

Mounting Angle

00 00-90 degree in 15 degree increments



(DO NOT SCALE DRAWING)

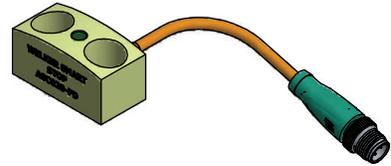
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WELKER SMART STOP

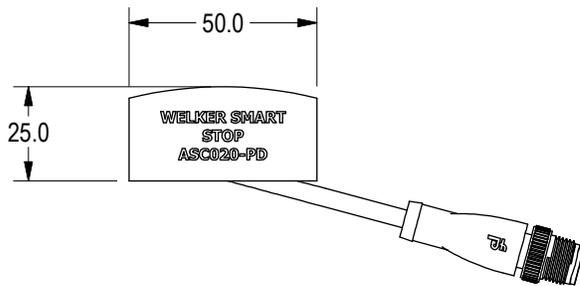
WELKER SMART STOP does all stopping & sensing functions in one part.
SMART STOP minimizes engineering, field set up and operator adjustment time.

WELKER SMART STOP eliminates:

- Need for separate mounts, brackets & flags.
- Need for switch adjustments when shimming.
- Improper adjustment of outboard switches.
- Outboard switch vibrating loose in bracket.
- Protecting outboard proxies from being stepped on or bent in tools.



ASC020-PD
DC SWITCH



General Specifications

Switching function	Normally Open (NO)
Output type	PNP
Rated operating distance, s _n	1.75mm
Output polarity	DC
Assured operating distance s _a	0 - 1.42 mm
Output type	3-wire

Nominal Ratings

Operating voltage, U _B	5 - 30 V DC
Switching frequency, f	0 - 6000 Hz
Reverse polarity protection	Reverse polarity protected
Short-circuit protection	Pulsing
Voltage drop, U _d	≤ 1.5 V
Operating current, I _L	0 - 100 mA
Off-state current, I _r	0 - 0.2 mA
No-load supply current, I ₀	≤ 15 mA

Indicators/Operating Means

Operating voltage indicator	LED green
Switching state indicator	LED yellow

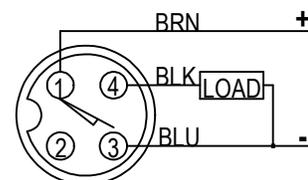
Ambient Conditions

Ambient temperature	-40 - 85 °C (-40 - 185 °F)
Storage temperature	-40 - 85 °C (-40 - 185 °F)

Mechanical Specifications

Connection type Connector plug	M12 x 1, 4-pin
Cable length	255mm
Degree of protection	IP67
Cable material	Weld spatter resistant, robotic quality POC
Cable color	Orange

WIRING DIAGRAM (PNP)

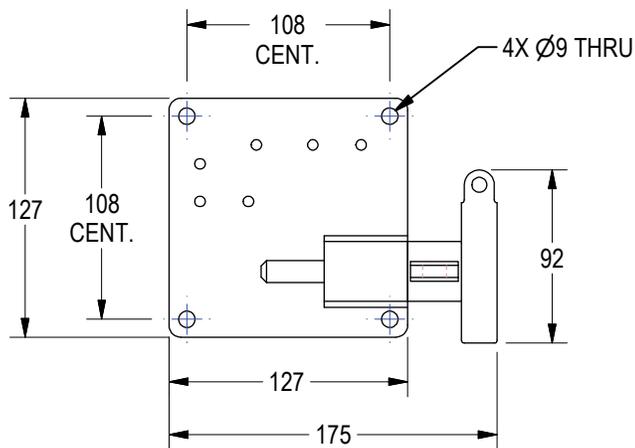
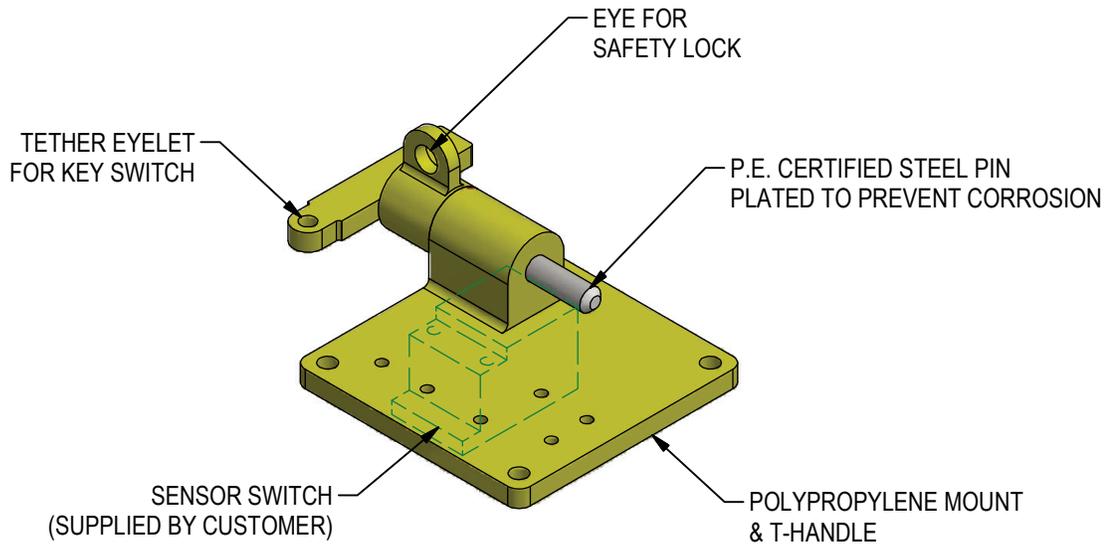


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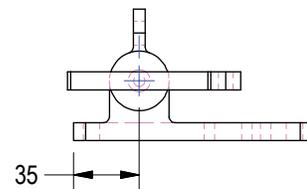
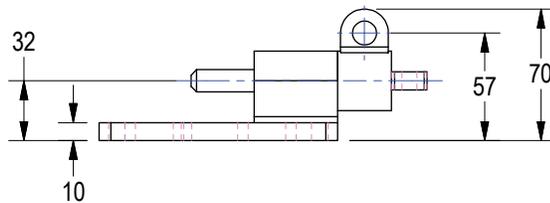


MANUAL T-HANDLE LOCKOUT PIN ~ P.E. CERTIFIED

(SHIPPED LOOSE FOR CUSTOMER MOUNTING)



TRU-LOK-OUT
#SP12Y100-R00201



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LOAD & WORKING ENVELOPE

MOUNTED TOOLING CENTER OF GRAVITY MUST BE WITHIN WORKING ENVELOPE AS SHOWN

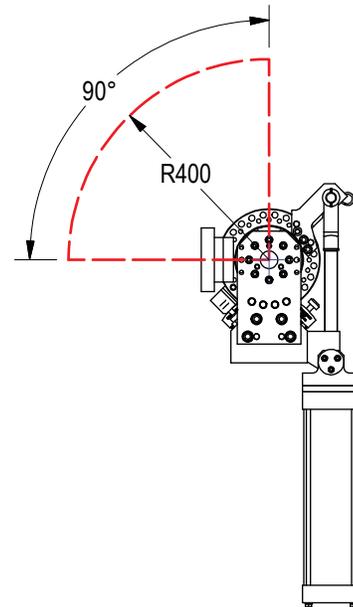
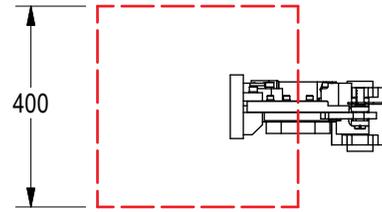
VERTICAL APPLICATIONS

LOAD CAPACITY:

MAX. 125 LBS @ 65 PSI

MAX. 150 LBS @ 80 PSI

- **FLOW CONTROLS ARE REQUIRED**
- **UNIT IS DESIGNED TO OPERATE AT FULL LOAD CAPACITY AND CYCLE 90 DEGREES WITHIN 1.5 SECONDS**

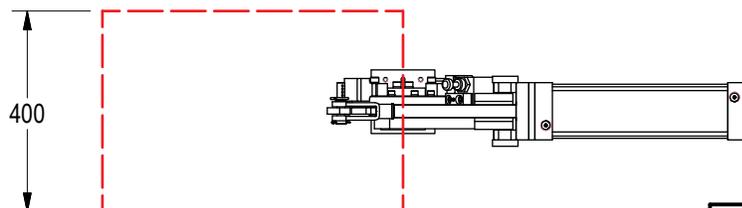
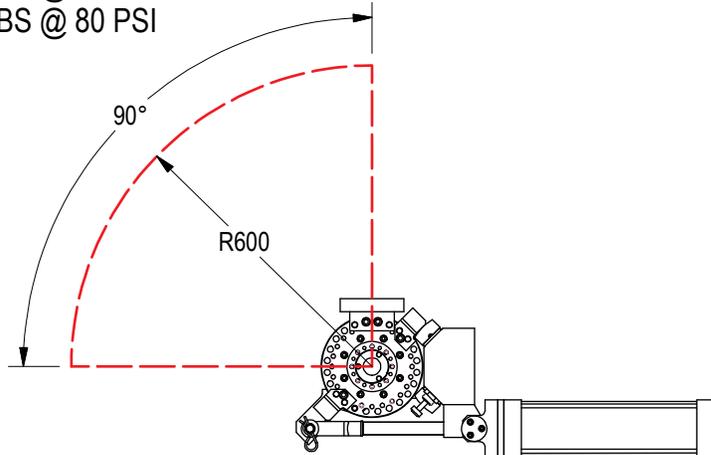


HORIZONTAL APPLICATIONS

LOAD CAPACITY:

MAX. 100 LBS @ 65 PSI

MAX. 100 LBS @ 80 PSI



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