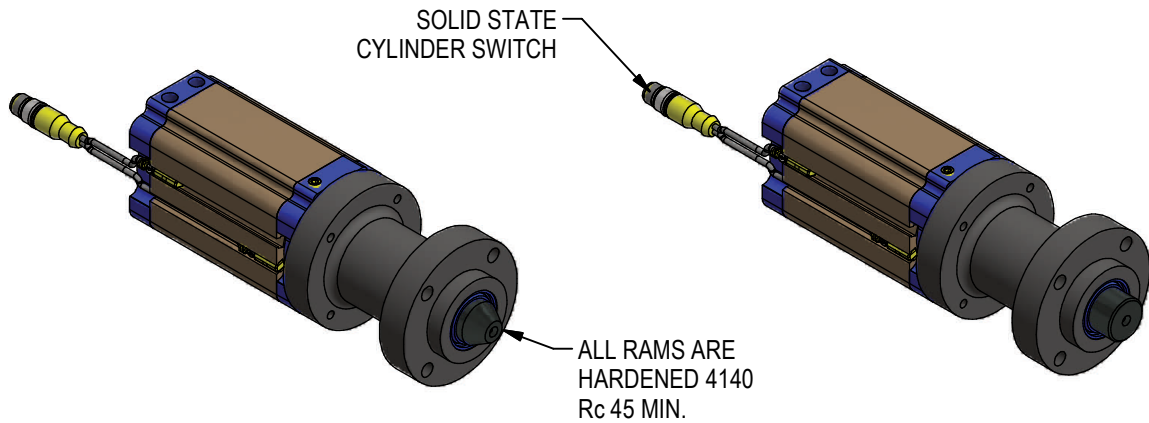


BP2 LOCKOUT PIN



CONICAL NOSE OPTION SHOWN FOR LOCKOUT AND LOCAL APPLICATIONS

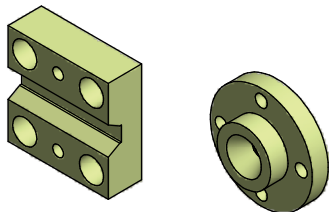
FLAT NOSE OPTION SHOWN FOR LOCKOUT APPLICATIONS

LOCKOUT PIN FEATURES

- PNEUMATIC, DOUBLE ACTING RETRACTABLE PIN
- OPTIONAL SPRING EXTEND (AIR LOSS TRIGGERS MECHANICAL SPRING EXTENSION)
- PNEUMATIC 50MM BORE INTEGRATED CYLINDER
- 2500 LBF LOCKOUT LOAD CAPACITY

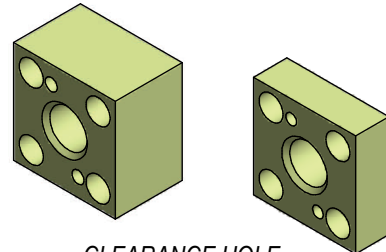
LOCKOUT APPLICATIONS

- TURNTABLES
- TRUNNION FIXTURES
- TURN-OVER UNITS
- LIFTERS & SLIDES
- SAFETY COMPLIANCE



2-WAY & 4-WAY

LOCKOUT RECEIVERS
ORDERED SEPARATELY
SEE SHEETS 4 & 5



CLEARANCE HOLE

RELEASED 3/5/20

ORDERING INFORMATION

NOTE: ALL BOXES MUST BE FILLED IN FOR A COMPLETE PART NUMBER

B	P	2	N			X						
---	---	---	---	--	--	---	--	--	--	--	--	--

Stroke _____

- 025** 25mm Stroke
- 050** 50mm Stroke

Cylinder _____

- 01** Welker 50mm Bore w/ NPT ports
- 02** Welker 50mm Bore w/ G ports

Pin Nose _____

- 1** Conical
- 2** Flat

Spring Extend _____

- 0** No spring
- E** Spring Extend

Switch _____

- 00** No switch
- LX** See Welker Cylinder Switch Chart

Precision _____

- S** Standard Tolerance: Up to 1000 lbf ± .010" Axial Lash in extended position
To be used for Lock out Only
- H** High Locational Tolerance: Up to 500 lbf ± .005" Axial Lash in extended position
To be used as Lockout and Locate device

SPRING EXTEND OPTION "E": SPRING FORCE	
STROKE	ACTUATOR 01/02
25mm STROKE EXTENDED	30 LBF
50mm STROKE EXTENDED	20 LBF
FULLY RETRACTED	40 LBF

	Switch Option	Part Number	Manufacturer	Description
Cylinder Switches	L3	SWITCH L3 L3 sw itch is w eld field immune, comparable to World Sw itches	Welker	4-Wire, 4-Pin, DC (PNP) M12 X 1 Quick Disconnect
	L5	MK5113 (This is a single sensor sw itch: 2 sw itches are installed per cylinder)	ifm Efeactor	3-Wire, 4-Pin, DC (NPN) M12 X 1 Quick Disconnect

Standard Switch Option - All other options may affect price and delivery

LOCKOUT RECEIVERS

ORDERED SEPARATELY
SEE SHEETS 4 & 5

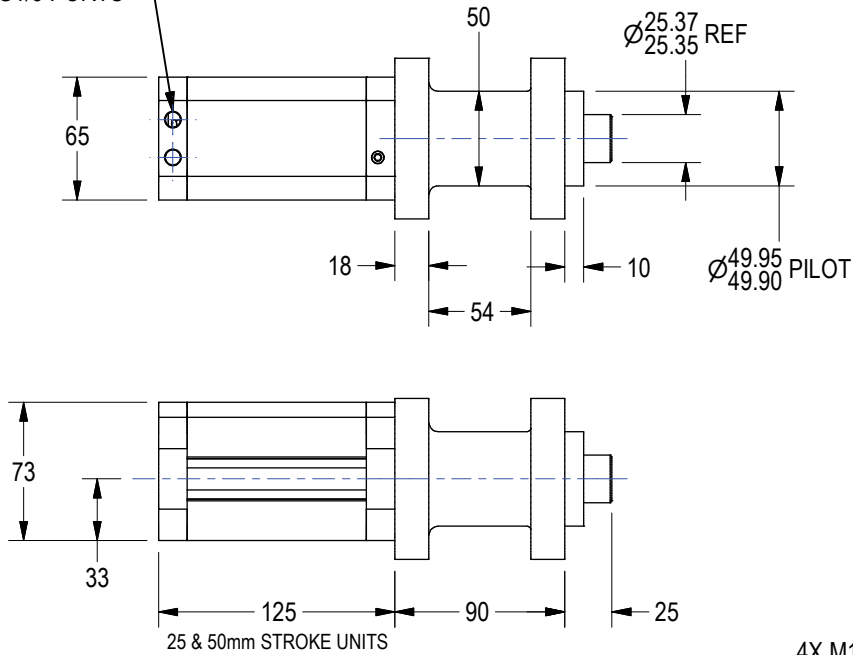
(DO NOT SCALE DRAWING)

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GENERAL DIMENSIONS

1/8" NPT OR
G1/8 PORTS

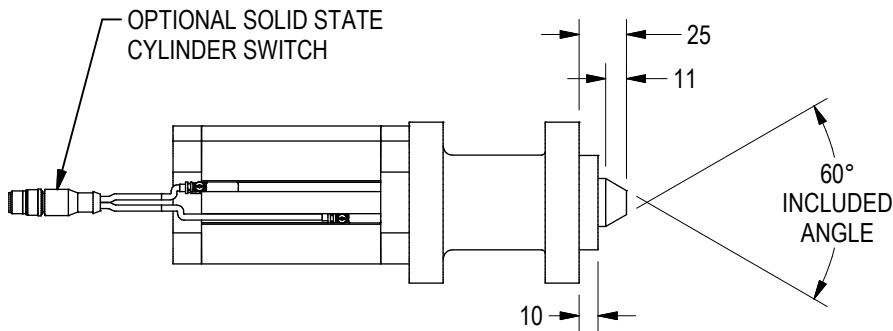
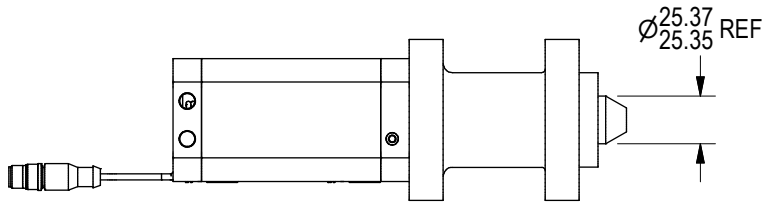


Ø85
FLANGE

4X M10x1.5 TAP THRU

EVENLY SPACED ON A Ø70.00 B.C.
(CLEARANCE FOR M8 SCREWS
FROM FAR SIDE)

FLAT PIN RETRACTED POSITION



CONICAL PIN RETRACTED POSITION

NOTES:

- ALL RAMS ARE HARDENED 4140 Rc 45 MIN.
- CYLINDERS INCLUDE MAGNETIC PISTON
- OPTIONAL SPRING EXTEND
(AIR LOSS TRIGGERS MECHANICAL SPRING EXTENSION)

BP2 UNIT WEIGHT: 8.4 LBS.

(DO NOT SCALE DRAWING)



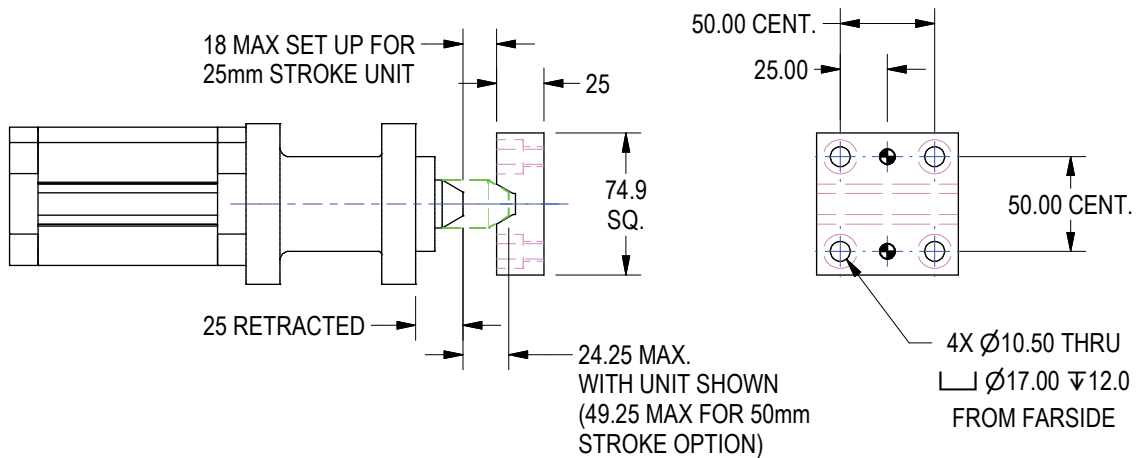
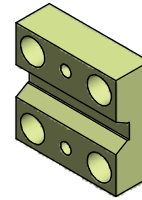
BP2 RECEIVERS

ORDERED SEPARATELY

BP2NE90 LOCKOUT PIN RECEIVER (2-WAY)

CONICAL PIN NOSE OPTION "1"
CARB & HARDENED Rc 45-50

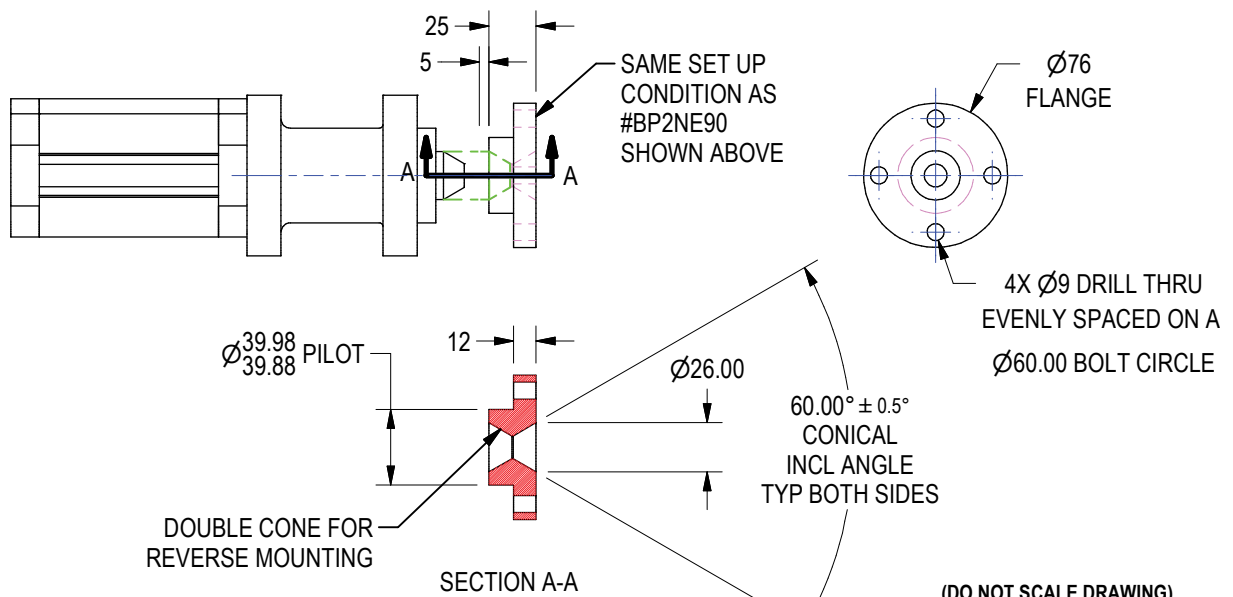
2-WAY RECEIVER - FOR USE WITH CONICAL NOSE PIN AS LOCATOR



BP2NE91 LOCKOUT PIN RECEIVER (4-WAY)

CONICAL PIN NOSE OPTION "1"
CARB & HARDENED Rc 45-50

4-WAY RECEIVER - FOR MORE ACCURATE LOCATING, USE WITH CONICAL NOSE PIN AS A FINAL POSITIONER OR SAFETY LOCKOUT



(DO NOT SCALE DRAWING)

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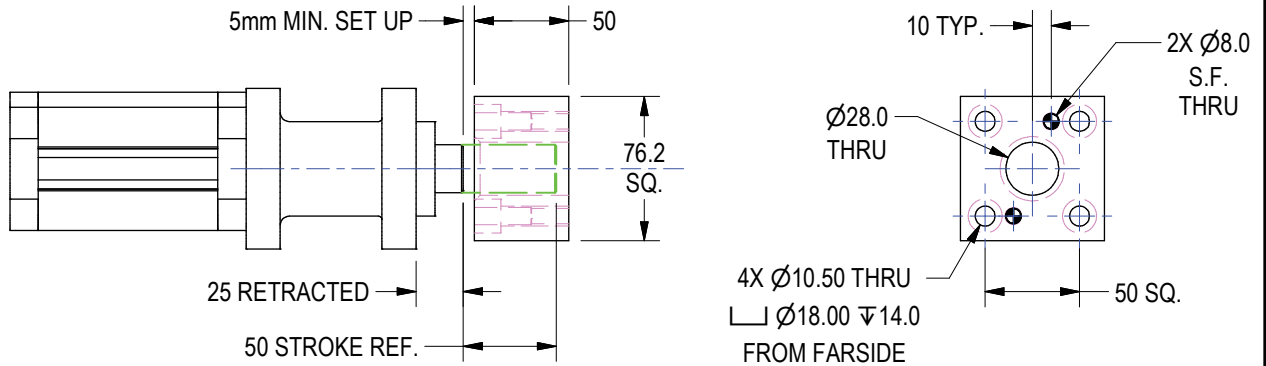
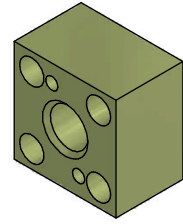
BP2 CLEARANCE RECEIVERS

ORDERED SEPARATELY

BP2NE92 LOCKOUT PIN RECEIVER (CLEARANCE)

PIN NOSE OPTION "2", 50mm STROKE

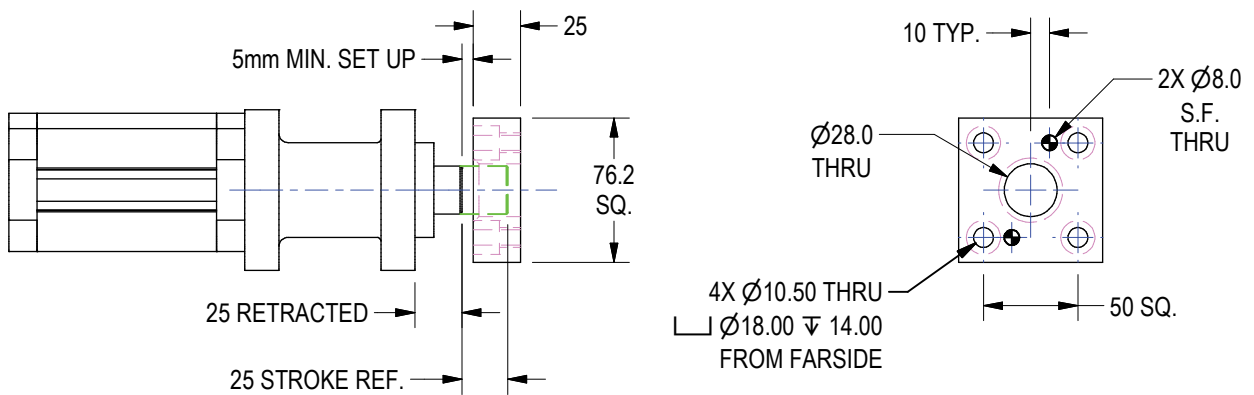
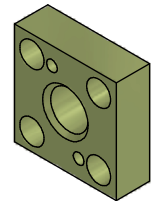
CLEARANCE HOLE - FOR USE WITH FLAT/CONICAL NOSE PIN AS SAFETY LOCK-OUT



BP2NE95 LOCKOUT PIN RECEIVER (CLEARANCE)

PIN NOSE OPTION "2", 25mm STROKE

CLEARANCE HOLE - FOR USE WITH FLAT/CONICAL NOSE PIN AS SAFETY LOCK-OUT



(DO NOT SCALE DRAWING)

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