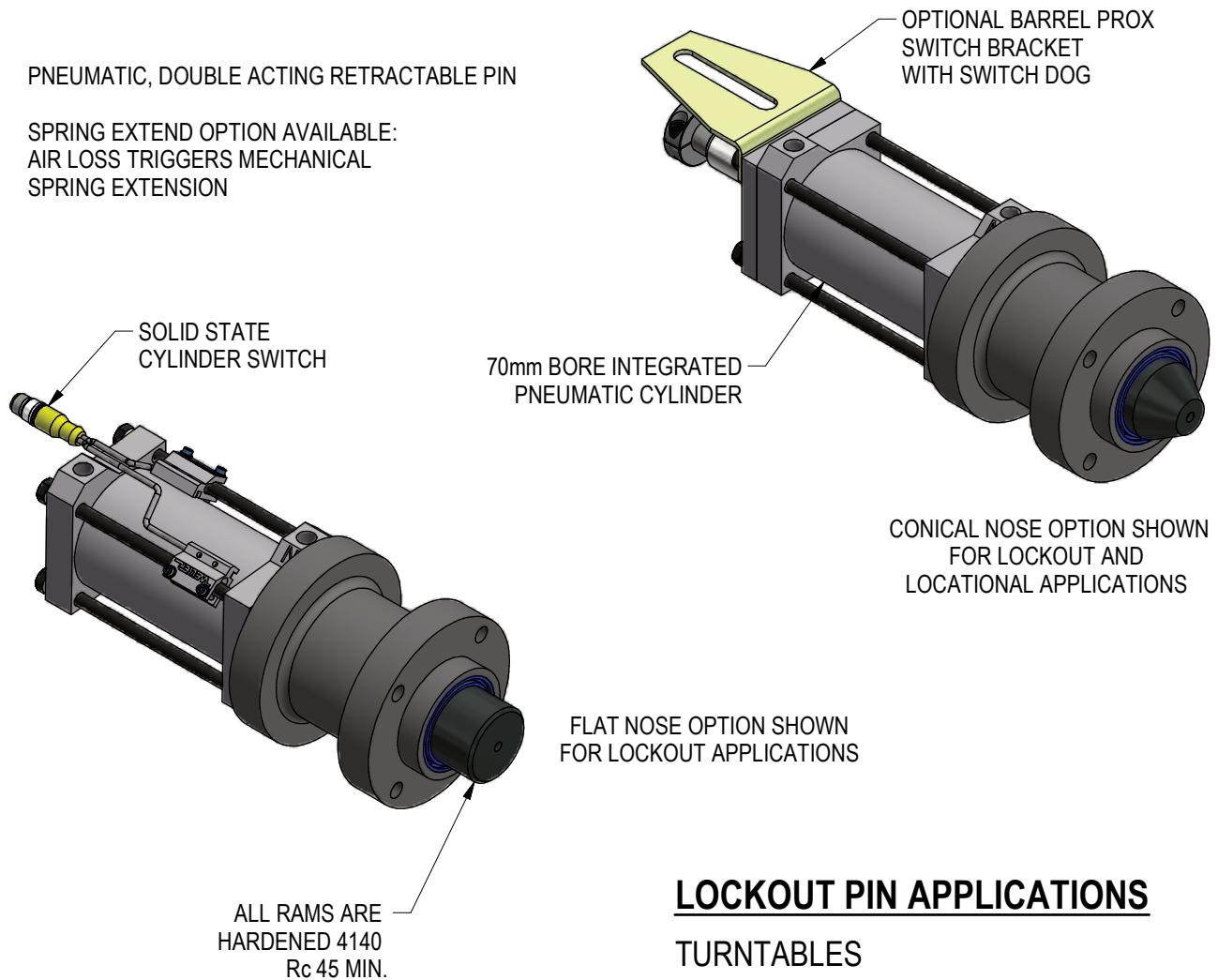


BP4 SERIES LOCKOUT PIN

5000 lbf LOCKOUT LOAD CAPACITY

PNEUMATIC, DOUBLE ACTING RETRACTABLE PIN

SPRING EXTEND OPTION AVAILABLE:
AIR LOSS TRIGGERS MECHANICAL
SPRING EXTENSION



LOCKOUT PIN APPLICATIONS

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

REVISED 6/13/16

ORDERING INFORMATION

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

B	P	4	N			X						
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Pin Dia _____
 4 48mm Nominal Pin Dia

Stroke _____
 025 25mm Stroke
 050 50mm Stroke

Actuator _____
 01 Pneumatic 70mm Bore - Single Rod - NPT
 02 Pneumatic 70mm Bore - Single Rod - G Port
 03 Pneumatic 70mm Bore - Double Rod - NPT Port
 04 Pneumatic 70mm Bore - Double Rod - G Port

Pin Nose _____
 1 Conical
 2 Flat

Spring Extend _____
 0 No spring
 E Spring Extend

Switch _____
 00 No Switch
 LX See Welker Cylinder Switch Chart (below)
 B1 Barrel Prox Switch Bracket (Requires Double Rod Cylinder)
 See Sheet 3 for Bracket positions: B1, B2, B3, B4

Precision _____
 S Standard Tolerance ($\pm .010$ " Extended Ram Axial Lash-Lockout Only at 2500lbf)
 H High Locational Tolerance ($\pm .005$ " Extended Ram Axial Lash-Lock & Locate at 1000lbf)

SPRING EXTEND OPTION "E": SPRING FORCE		
STROKE	ACTUATOR 01/02	ACTUATOR 03/04
25mm STROKE EXTENDED	100 LBF	60 LBF
50mm STROKE EXTENDED	80 LBF	40 LBF
FULLY RETRACTED	115 LBF	80 LBF

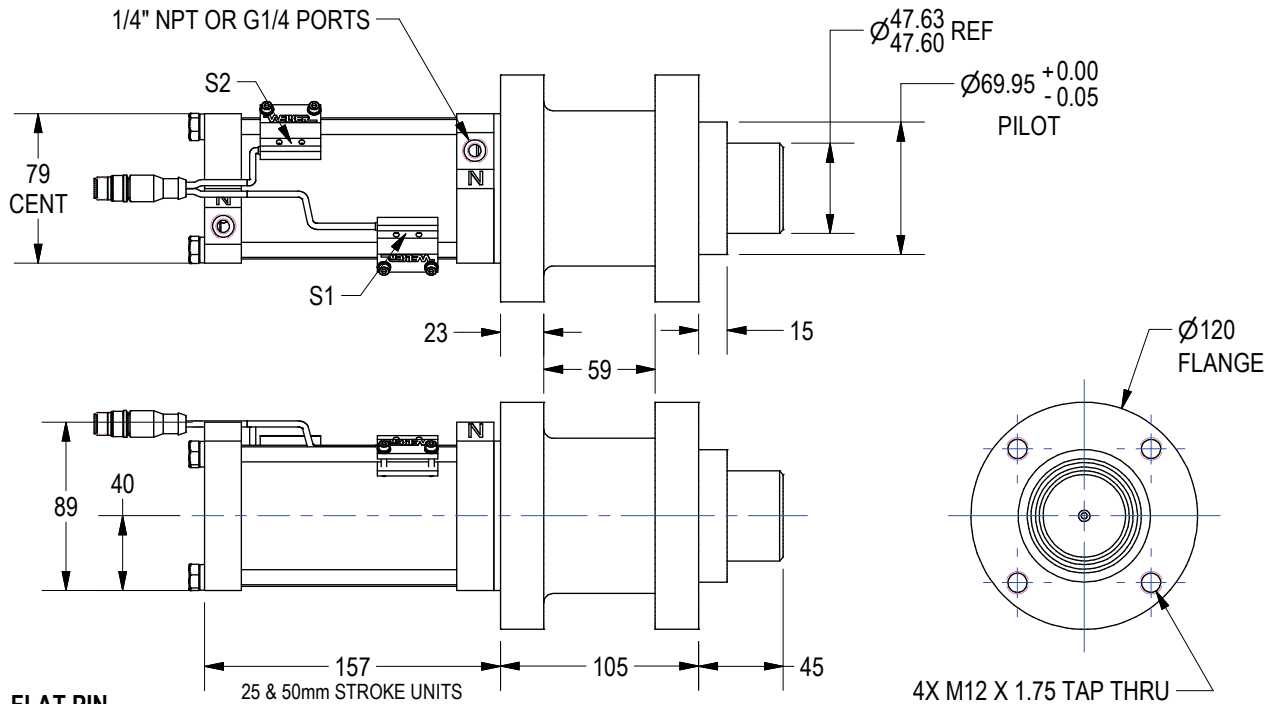
	Switch Option	Part Number	Manufacturer	Description
Cylinder Switches	L3	SWITCH L3 L3 switch is weld field immune, comparable to World Switches (Dual sensor, single connector switch: 1 switch installed per cylinder)	Welker	4-Wire, 4-Pin, DC (PNP) M12 X 1 Quick Disconnect
	L5	MK5113 (Single sensor, single connector switch: 2 switches installed per cylinder)	ifm Efelector	3-Wire, 4-Pin, DC (NPN) M12 X 1 Quick Disconnect

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

(DO NOT SCALE DRAWING)

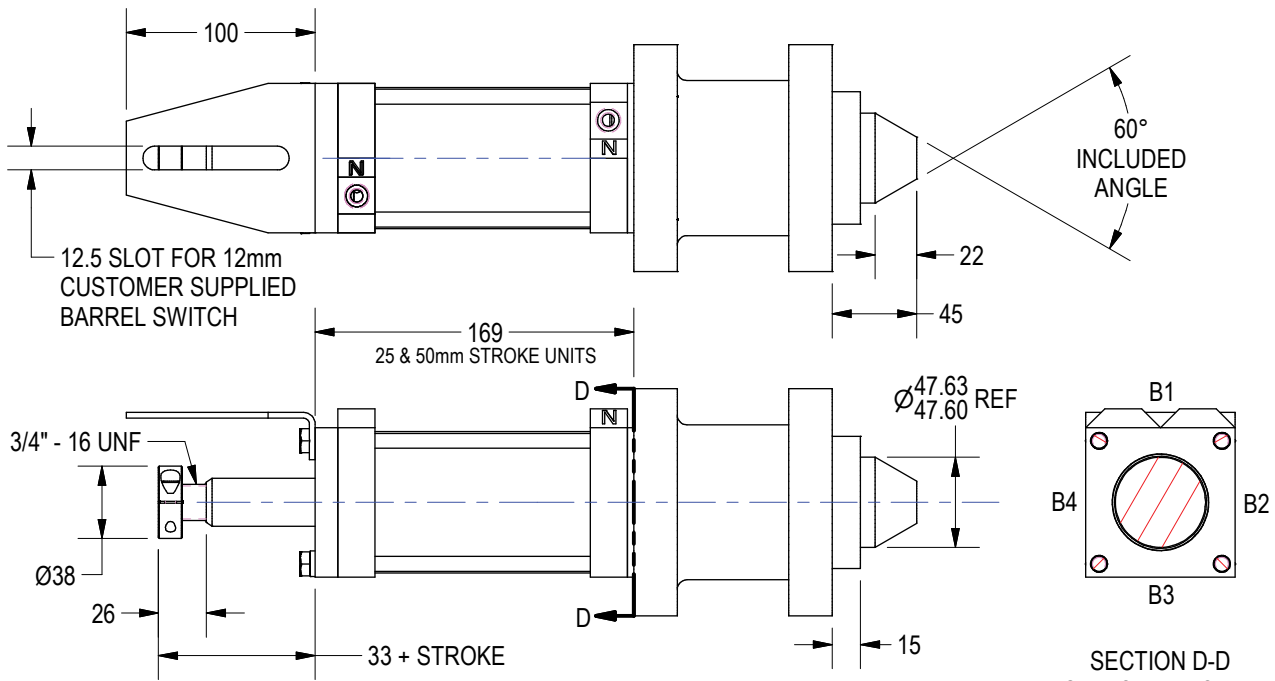
ENGINEERED PRODUCTS

(800) 229-0890 www.welkerproducts.com



FLAT PIN
RETRACTED POSITION
 SHOWN WITH CYLINDER SWITCH OPTION "L0"

4X M12 X 1.75 TAP THRU
 EVENLY SPACED ON Ø100 B.C.
 (CLEARANCE FOR M10 SCREWS
 FROM FARSIDE)



CONICAL PIN
RETRACTED POSITION
 SHOWN WITH CYLINDER SWITCH OPTION "B1" &
 DOUBLE ROD OPTION

SECTION D-D
 SWITCH BRACKET
 POSITIONS

NOTES:

- ALL RAMS ARE HARDENED 4140 Rc 45 MIN.
- CYLINDERS INCLUDE MAGNETIC PISTON
- OPTIONAL SPRING EXTEND
 (AIR LOSS TRIGGERS MECHANICAL SPRING EXTENSION)
- MAX WEIGHT WITH 50mm STROKE: 21.5 lbf

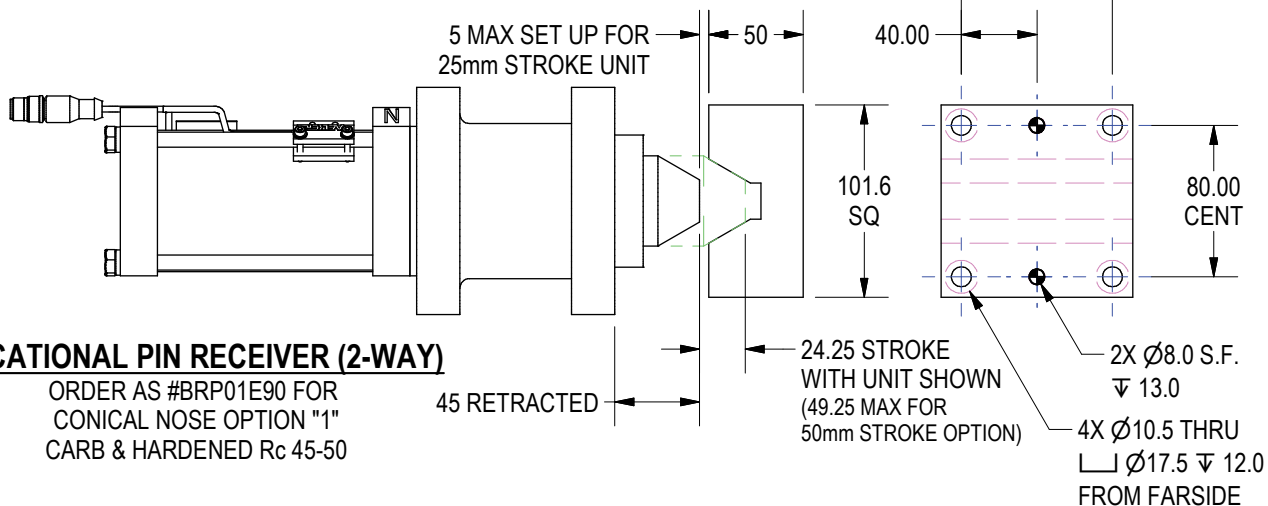
(DO NOT SCALE DRAWING)



ENGINEERED PRODUCTS

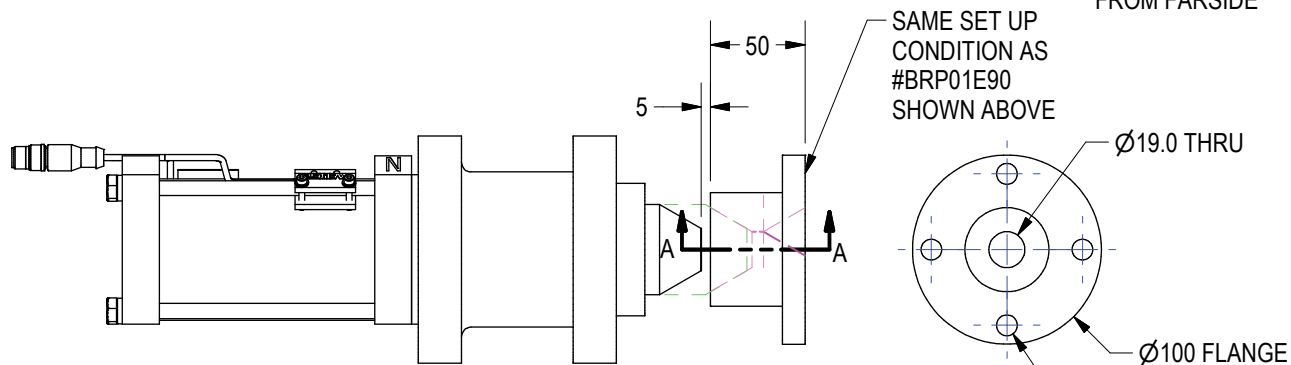
(800) 229-0890 www.welkerproducts.com

BP4 RECEIVERS



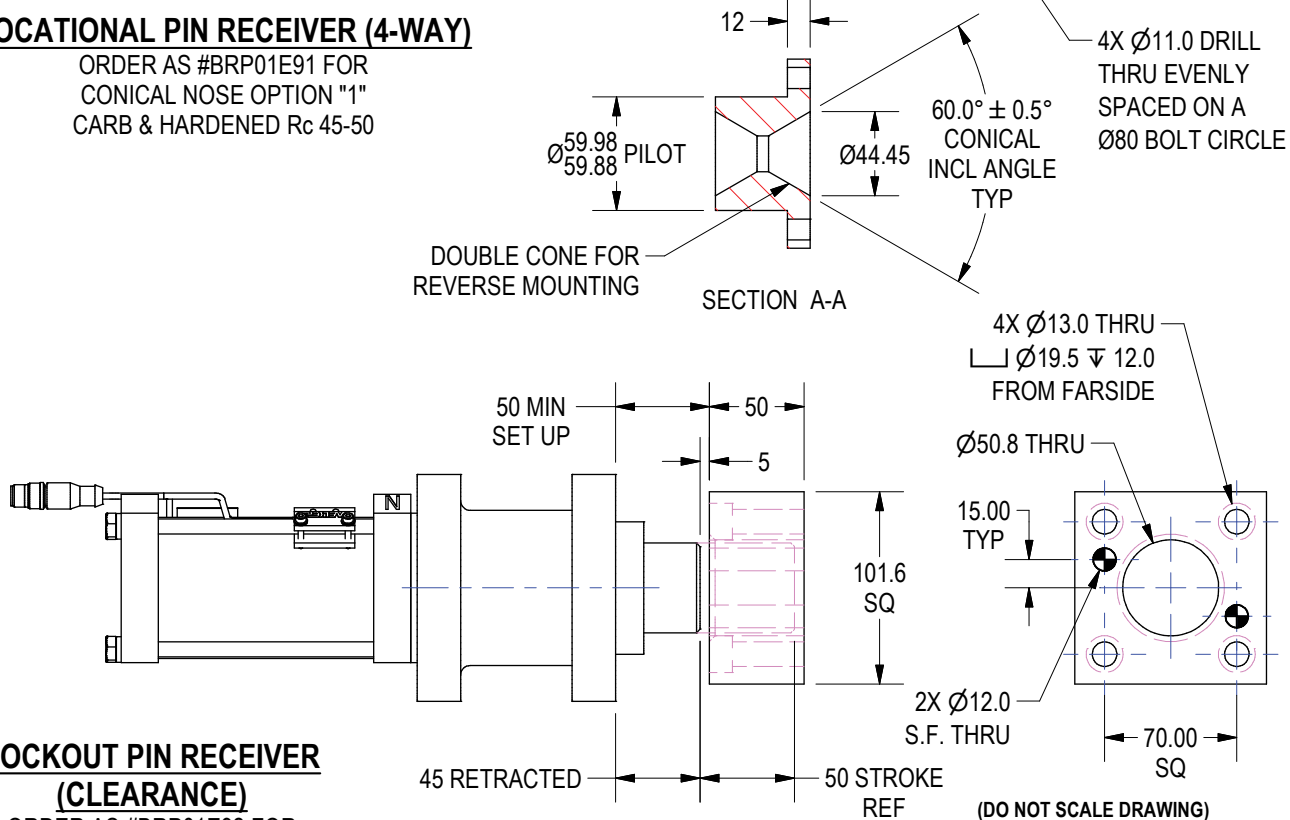
LOCATIONAL PIN RECEIVER (2-WAY)

ORDER AS #BRP01E90 FOR CONICAL NOSE OPTION "1" CARB & HARDENED Rc 45-50



LOCATIONAL PIN RECEIVER (4-WAY)

ORDER AS #BRP01E91 FOR CONICAL NOSE OPTION "1" CARB & HARDENED Rc 45-50



LOCKOUT PIN RECEIVER (CLEARANCE)

ORDER AS #BRP01E92 FOR NOSE OPTION "2"

(DO NOT SCALE DRAWING)



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