PNEUMATIC SERVO ACTUATOR

BORE (in)	STROKE (in)	ROD END	VALVE	COMMUNICATION CARD	ENVIRONMENTAL PROTECTION	OPTIONS	MOUNTING
PSA 325	- XX	- XXXXX	- X	- X	- X	- X	- X

BORE (in)
3.25 = 325

STROKE (in)
4.00 = 04
6.00 = 06
8.00 = 08
10.00 = 10
12.00 = 12
18.00 = 18

ROD END
5/8-18 X 1.00 Male = 10M
5/8-18 X 1.25 Male = 10ML
5/8-18 X 0.75 Female = 10F
3/4-16 X 1.125 Male w/ Hex = 12MH
M16X1.5-6g X 1.250" Male w/ Hex = M16MH

VALVE
Standard Flow/3 Position = 0
Standard Flow/3 Position/High Pressure (250 psi) = 1
Low Flow/3 Position = 2

COMMUNICATION CARD
CAN2.0B = C
I/O INDEXER = I
PLC = L
I/O POSITIONER = P
RS232 = R
DeviceNet = D
Profibus = P
Ethernet = E
Sercos = S

ENVIRONMENTAL PROTECTION
IP67 (Design) = 1

OPTIONS
None = 0
Bronze Rod Bushing (no rod seal or rod wiper) = Z
High Pressure (250 psi) = H

MOUNTING
Base cylinder (no mount) = 0
Left (side) Mount = LM (inch) or LMM (metric)
Bottom Mount = BM (inch) or BMM (metric)
Right (side) Mount = RM (inch) or RMM (metric)
Front Trunnion (horizontal wrt valve) = FT
Rear Trunnion (horizontal wrt valve) = RT
Front Trunnion Vertical (wrt valve) **CONSULT FACTORY** = FTV
Rear Trunnion Vertical (wrt valve) **CONSULT FACTORY** = RTV
Detachable Head Clevis = DHC
Detachable Head Eye = DHE
Consult Factory For Other Mounting Options

MOUNTING OPTIONS SOLD AS ACCESSORIES

Rectangular Flange Front cap = 325RFF
Rectangular Flange Back cap = 325RFB
Right Angle foot Mount = 325RAM
tie rod Extensions Front cap = 325EF
tie rod Extensions Back cap = 325EB
tie rod Extensions Front and Back cap = 325EFB

SPEC.	DESCRIPTION

SPECIFICATION NOTES:

DRAWING PER ASME Y14.5N-1994 | DO NOT SCALE DRAWING:

THIRD ANGLE PROJECTION

TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
2 PLACES (0.00) +/-0.010
3 PLACES (0.000) +/-0.005
ANGLE +/-2 DEGREES

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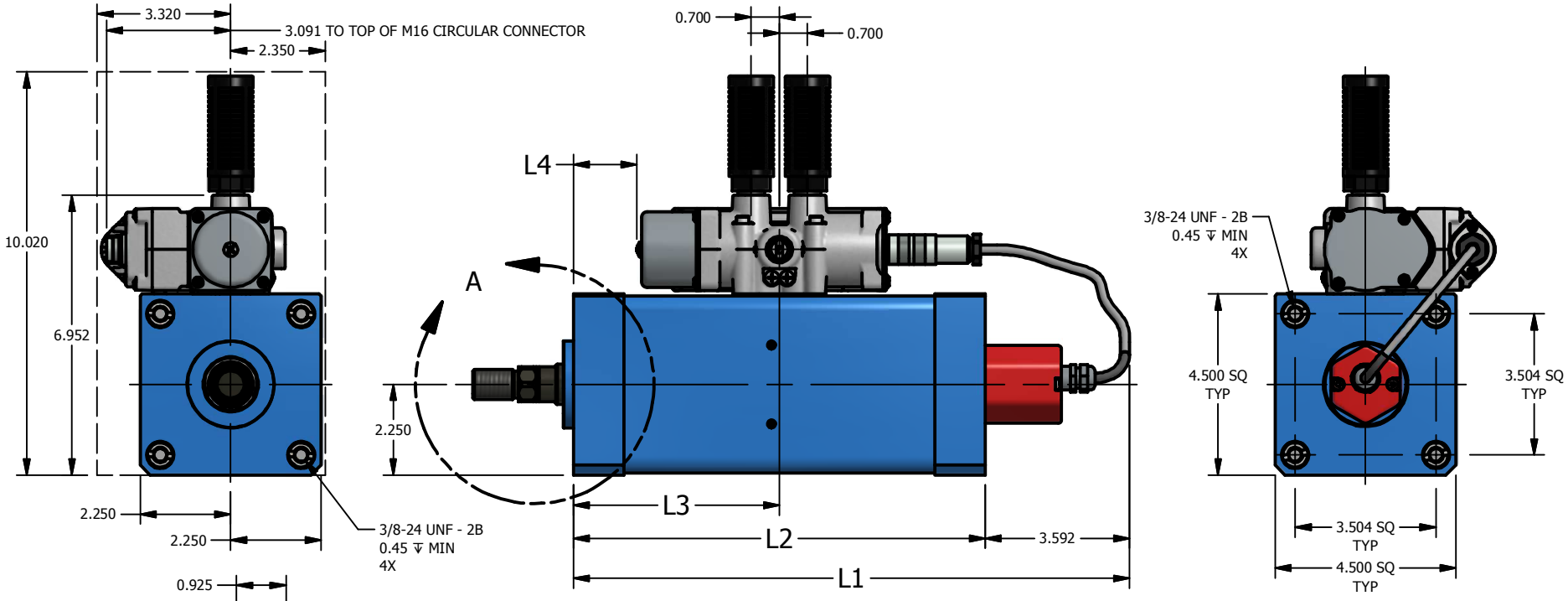
DRAWN BY:	DATE:
PPE	02/06/13
APPROVED BY:	DATE:
MKK	02/06/13
SCALE:	UNITS:
N/A	in

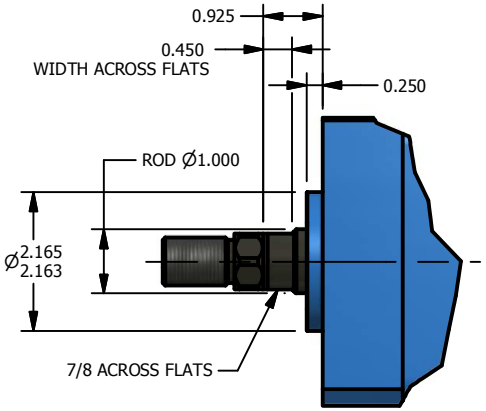
SUNSTREAM SCIENTIFIC

SIZE: A | TITLE: 3.25" BORE PSA

SHEET: 1 OF 6 | DRAWING NUMBER: PSA325-XX-XXXX-X-X-X-X-X | REVISION: 4

Table (unit in)					
·	STROKE	L1	L2	L3	L4
P/N	= STK	= STK + 10.832	= STK + 7.24	= STK/2 + 3.62	= STK/2 + 0.076
PSA325-04-XXXXX-X-X-X-X-0	4.00	14.832	11.24	5.62	2.076
PSA325-06-XXXXX-X-X-X-X-0	6.00	16.832	13.24	6.62	3.076
PSA325-08-XXXXX-X-X-X-X-0	8.00	18.832	15.24	7.62	4.076
PSA325-10-XXXXX-X-X-X-X-0	10.00	20.832	17.24	8.62	5.076
PSA325-12-XXXXX-X-X-X-X-0	12.00	22.832	19.24	9.62	6.076
PSA325-18-XXXXX-X-X-X-X-0	18.00	28.832	25.24	12.62	9.076





DETAIL A
SCALE 1 / 3
SEE PAGE 4
FOR ROD
END OPTIONS

SPEC.	DESCRIPTION

SPECIFICATION NOTES:

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ANGLE +/-2 DEGREES

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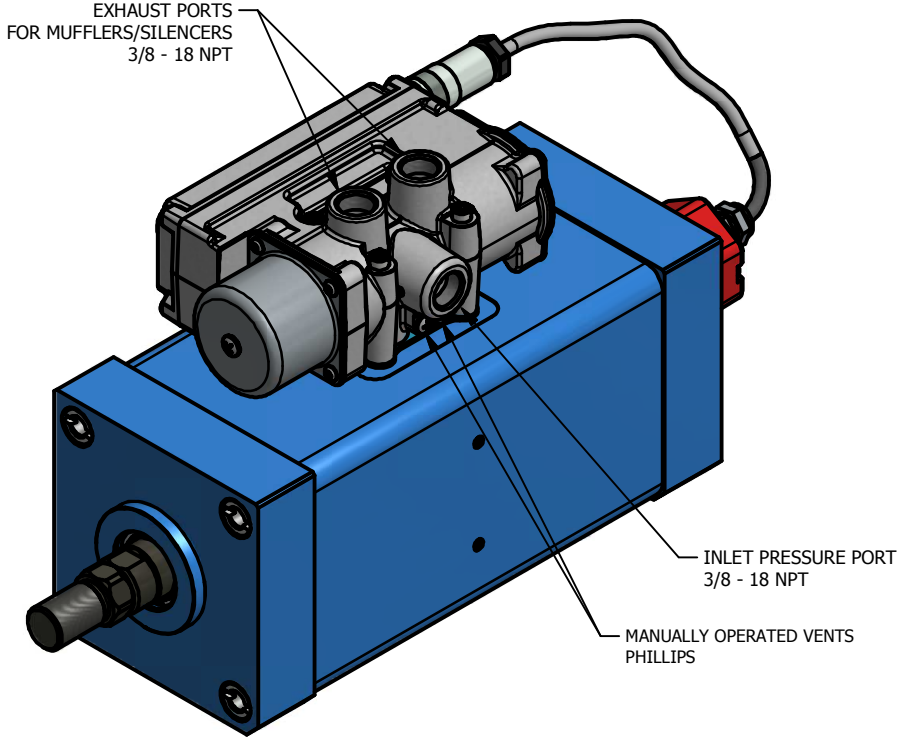
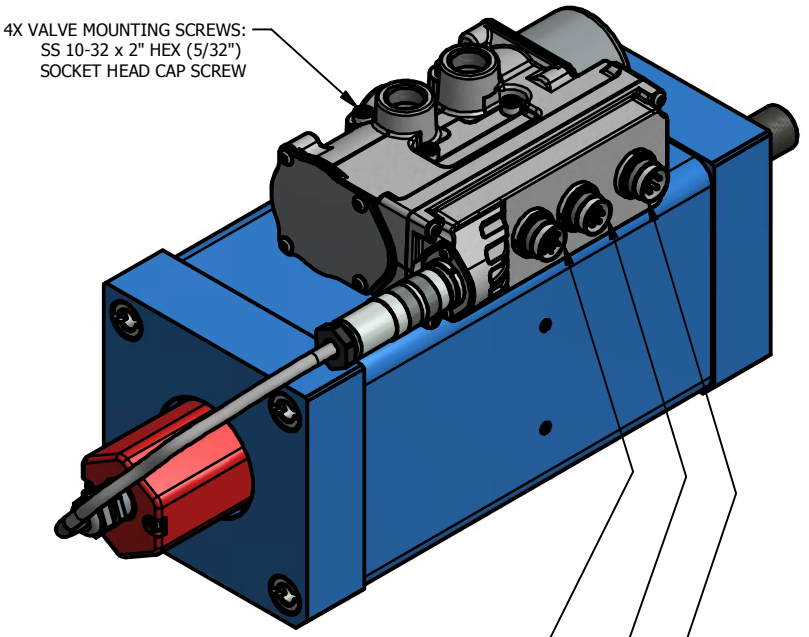
PPE	SEE PAGE 1
APPROVED BY:	DATE:
MKK	SEE PAGE 1
SCALE:	UNITS:
1:4	in

SUNSTREAM SCIENTIFIC

SIZE: A | TITLE: 3.25" BORE PSA

SHEET:	DRAWING NUMBER:	REVISION:
2 OF 6	PSA325-XX-XXXXX-X-X-X-X-0	4





E3: ELECTRICAL CONNECTION FOR:
CAN2.0B "C": 6-PIN MALE M16 CIRCULAR CONNECTOR
I/O INDEXER "I": 14-PIN MALE M16 CIRCULAR CONNECTOR
PLC "L": 14-PIN MALE M16 CIRCULAR CONNECTOR
I/O POSITIONER "P": 14-PIN MALE M16 CIRCULAR CONNECTOR
RS232 "R": BLANK PLUG

E2: ELECTRICAL CONNECTION FOR PROGRAMMING:
RS232: 6-PIN MALE M16 CIRCULAR CONNECTOR

E1: ELECTRICAL CONNECTION FOR:
POWER SUPPLY: 4-PIN MALE M16 CIRCULAR CONNECTOR

SPEC.	DESCRIPTION

SPECIFICATION NOTES:

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ANGLE +/-2 DEGREES

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PPE	SEE PAGE 1
APPROVED BY:	DATE:
MKK	SEE PAGE 1
SCALE:	UNITS:
1:3	in

SUNSTREAM SCIENTIFIC

SIZE: A

TITLE: 3.25" BORE PSA

SHEET: 3 OF 6

DRAWING NUMBER: PSA325-XX-XXXXX-X-X-X-X-0

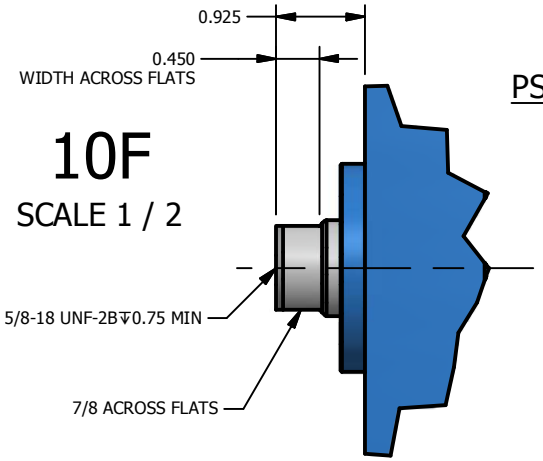
REVISION: 4

ROD END

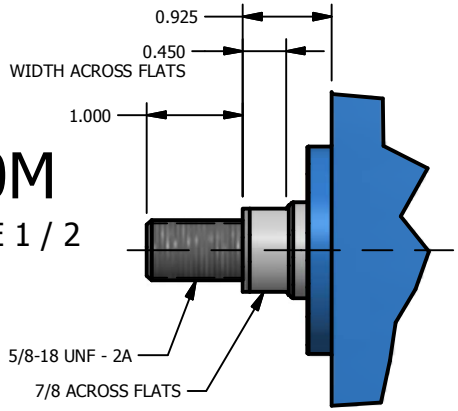
PSA 325 - XX - XXXXX - X - X - X - X - X

10M = 5/8-18 X 1.00 MALE
10ML = 5/8-18 X 1.25 MALE
10F = 5/8-18 X 0.75 FEMALE
12MH = 3/4-16 X 1.125 MALE W/ HEX
M16MH = M16X1.5-6g X 1.250" MALE W/ HEX

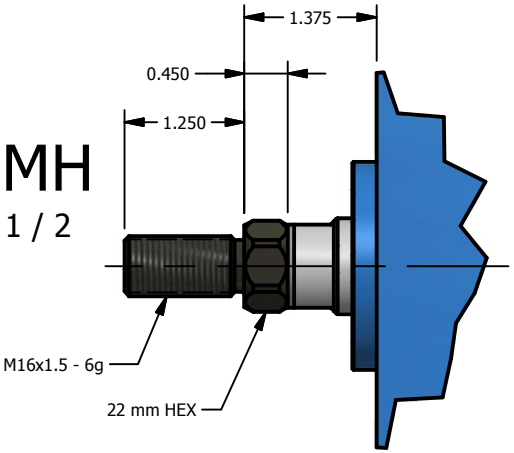
10F
SCALE 1 / 2



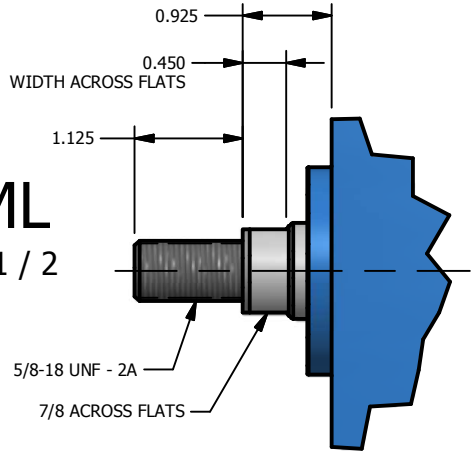
10M
SCALE 1 / 2



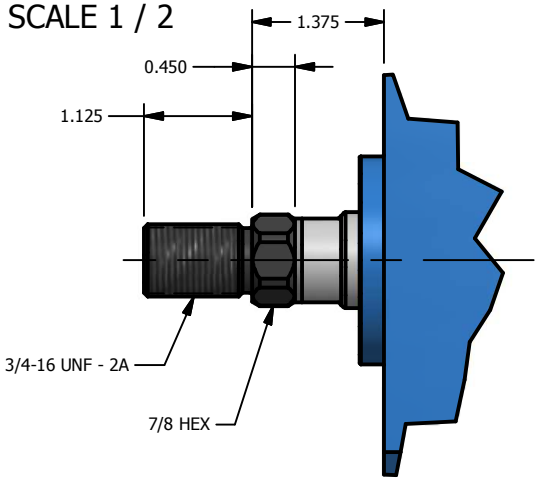
M16MH
SCALE 1 / 2



10ML
SCALE 1 / 2



12MH
SCALE 1 / 2



SPEC.	DESCRIPTION

SPECIFICATION NOTES:

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ANGLE +/-2 DEGREES

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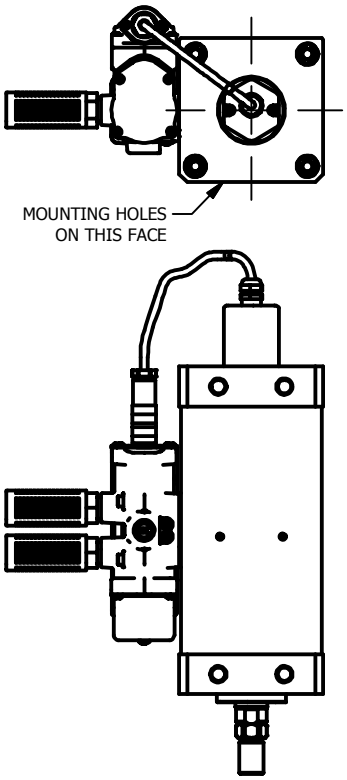
SCALE: 1:2	UNITS: in

SUNSTREAM SCIENTIFIC

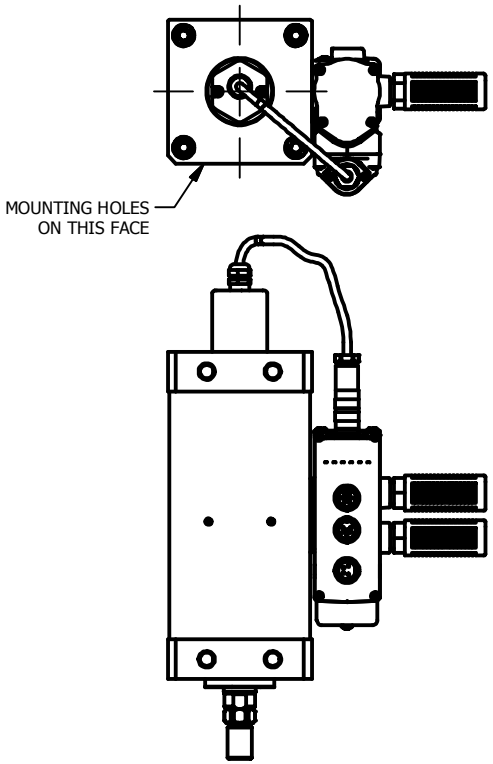
SIZE: A | TITLE: 3.25" BORE PSA

SHEET:	DRAWING NUMBER:	REVISION:
4 OF 6	PSA325-XX-XXXX-X-X-X-X-X	4

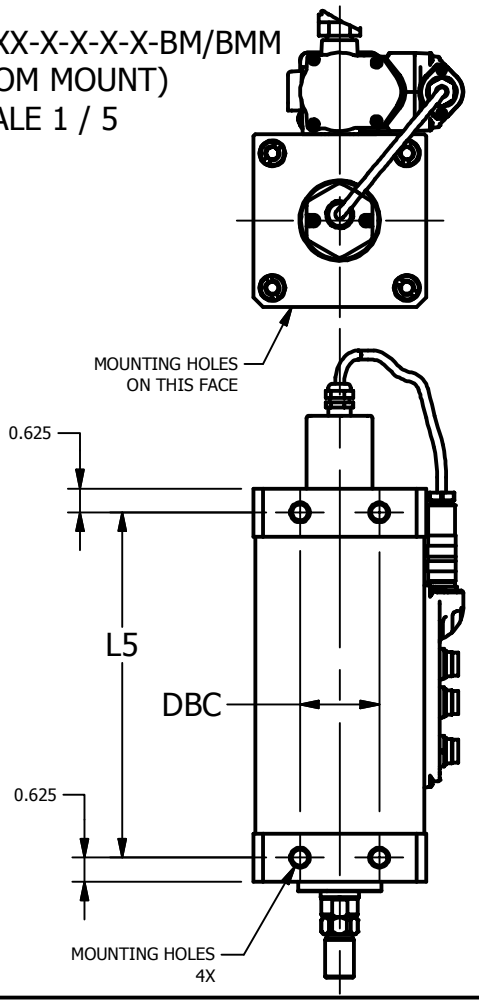
PSA325-XX-XXXX-X-X-X-X-LM/LMM
(LEFT MOUNT)
SCALE 1 / 6



PSA325-XX-XXXX-X-X-X-X-RM/RMM
(RIGHT MOUNT)
SCALE 1 / 6



PSA325-XX-XXXX-X-X-X-X-BM/BMM
(BOTTOM MOUNT)
SCALE 1 / 5



Table

·	STROKE	L5	DBC	MOUNTING HOLES
P/N	= STK	= STK + 5.99	DISTANCE BETWEEN CENTERS	1.0 inch DEEP MIN
PSA325-04-XXXXX-X-X-X-X-XM	4.00	9.99	2.063	1/2-13 UNC
PSA325-06-XXXXX-X-X-X-X-XM	6.00	11.99	2.063	1/2-13 UNC
PSA325-08-XXXXX-X-X-X-X-XM	8.00	13.99	2.063	1/2-13 UNC
PSA325-10-XXXXX-X-X-X-X-XM	10.00	15.99	2.063	1/2-13 UNC
PSA325-12-XXXXX-X-X-X-X-XM	12.00	17.99	2.063	1/2-13 UNC
PSA325-18-XXXXX-X-X-X-X-XM	18.00	23.99	2.063	1/2-13UNC
PSA325-04-XXXXX-X-X-X-X-XMM	4.00	9.99	52.4 mm	M12 X 1.75
PSA325-06-XXXXX-X-X-X-X-XMM	6.00	11.99	52.4 mm	M12 X 1.75
PSA325-08-XXXXX-X-X-X-X-XMM	8.00	13.99	52.4 mm	M12 X 1.75
PSA325-10-XXXXX-X-X-X-X-XMM	10.00	15.99	52.4 mm	M12 X 1.75
PSA325-12-XXXXX-X-X-X-X-XMM	12.00	17.99	52.4 mm	M12 X 1.75
PSA325-18-XXXXX-X-X-X-X-XMM	18.00	23.99	52.4 mm	M12 X 1.75

SPEC.	DESCRIPTION

SPECIFICATION NOTES:

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3 PLACES (0.000) +/-0.005
ANGLE +/-2 DEGREES

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SCALE: 1:5	UNITS: in

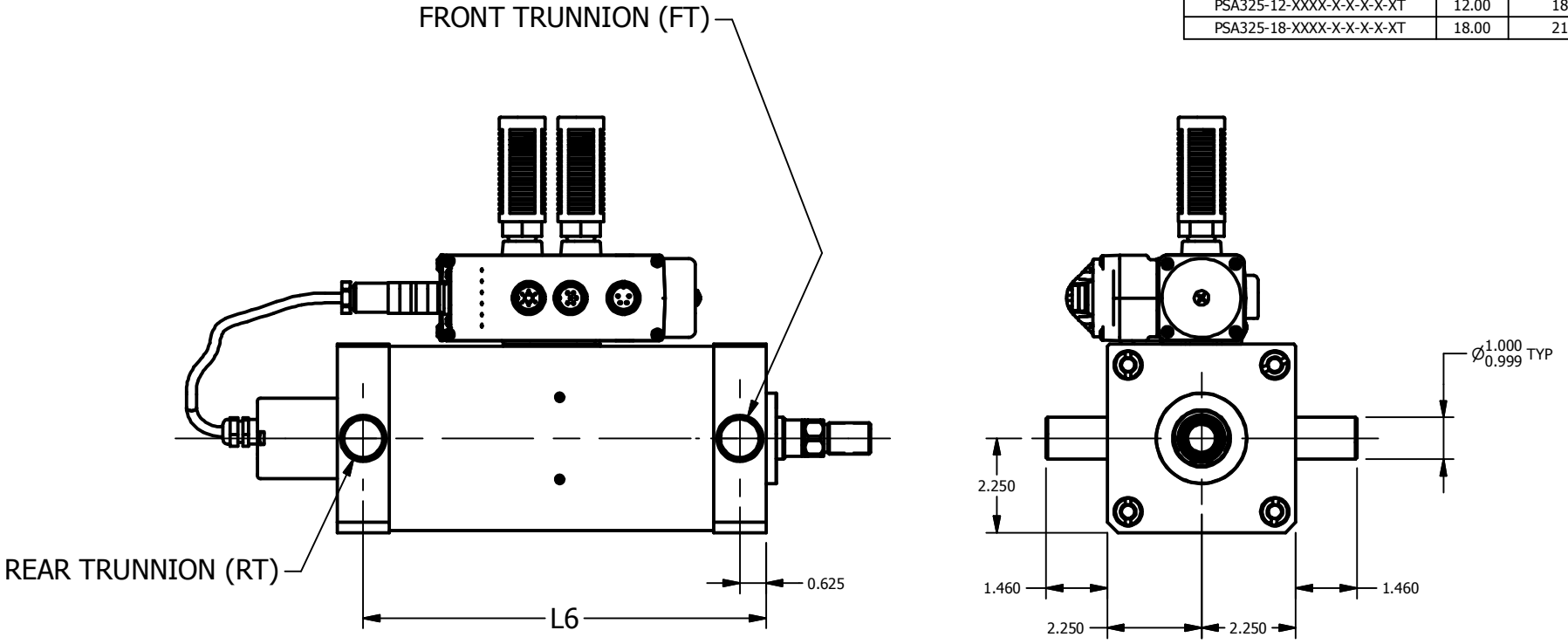
SUNSTREAM SCIENTIFIC

SIZE: A

TITLE: 3.25" BORE PSA

SHEET:	DRAWING NUMBER:	REVISION:
5 OF 6	PSA325-XX-XXXX-0-0-0-0-XMX	4

Table		
·	STROKE	L6
P/N	= STK	= STK + 6.615
PSA325-04-XXXX-X-X-X-X-XT	4.00	10.615
PSA325-06-XXXX-X-X-X-X-XT	6.00	12.615
PSA325-08-XXXX-X-X-X-X-XT	8.00	14.615
PSA325-10-XXXX-X-X-X-X-XT	10.00	16.615
PSA325-12-XXXX-X-X-X-X-XT	12.00	18.615
PSA325-18-XXXX-X-X-X-X-XT	18.00	21.615



NOTES:
CONSULT FACTORY FOR FTV (FRONT TRUNNION VERTICAL) AND RTV (REAR TRUNNION VERTICAL) OPTIONS

SPEC.	DESCRIPTION

SPECIFICATION NOTES:

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ANGLE +/-2 DEGREES

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MKK	SEE PAGE 1
SCALE:	UNITS:
1:4	in

SUNSTREAM SCIENTIFIC

SIZE: A | TITLE: 3.25" BORE PSA

SHEET: 6 OF 6 | DRAWING NUMBER: PSA325-XX-XXXX-X-X-X-X-XT | REVISION: 4