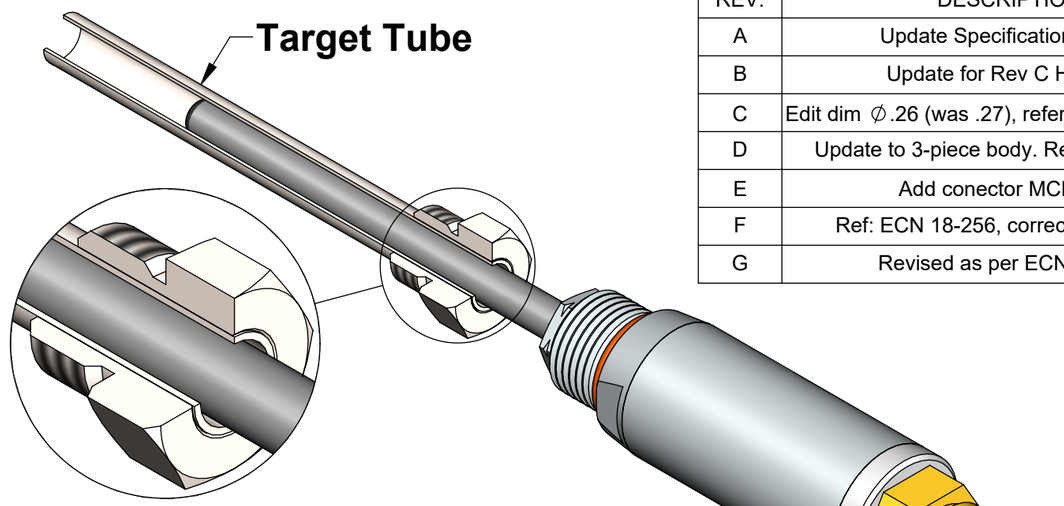
SPECIFICATIONS:
Analog I/Os: (See Note 1)
0 - 5 V DC output, 8 - 30 V DC input, 35 mA max.
0.5 - 4.5 V DC output, 8 - 30 V DC input, 35 mA max.
0 - 10 V DC output, 12 - 30 V DC input, 35 mA max.
4 - 20 mA DC output, 18 - 30 V DC input, 60 mA max. (75 C max.)
Measuring Ranges: See range table
Zero and Full Scale: SenSet Adjustable
Linearity Error: ±0.15% of FSO (Full Span Output) typical, ±0.25% max.
Resolution: 0.025% of FSO
Update Rate: 300 Hz nominal
Operating Temperature Range: -40 to 105 C
Temperature coefficient: ≤±0.015% of FSO/K
Humidity: 95% RH non-condensing
Vibration: 5-20 Hz, 0.5 inch p-p; 20-2000 Hz, 4.2 g p-p
Shock: 1000 g, 11 msec.
Pressure Media: Standard mineral oil and HWB hydraulic fluids
Pressure Rating: 5000 psig (350 bar) max. operating, 7500 psig (520 bar) proof

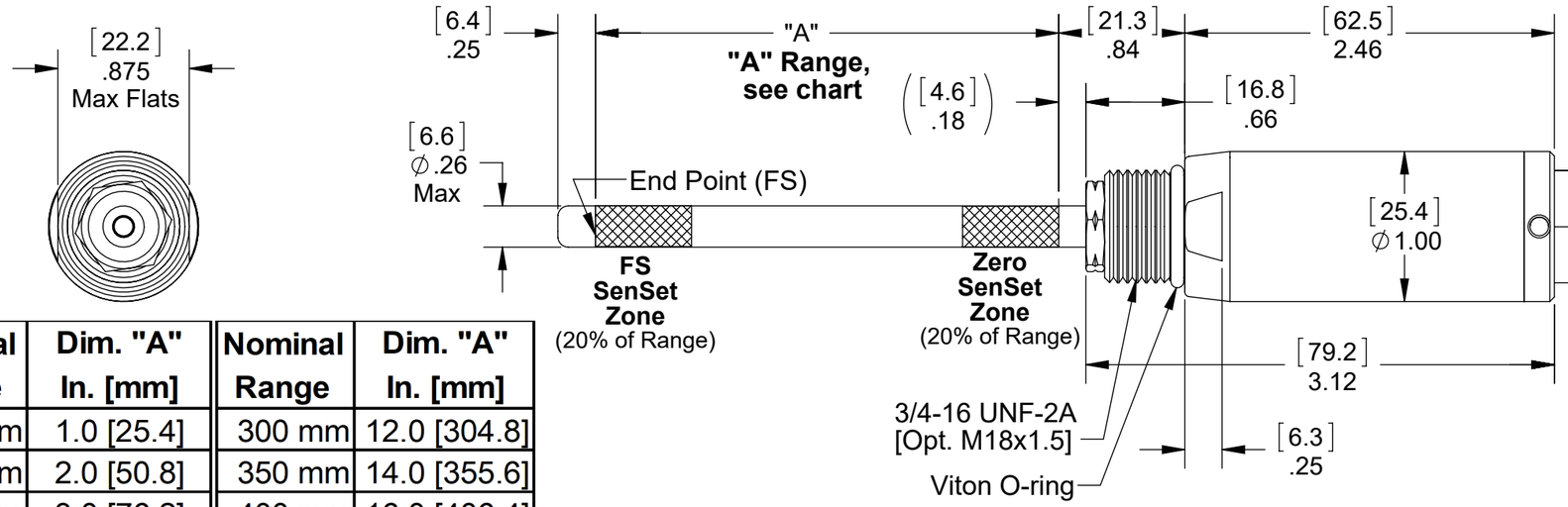
Note 1. Analog output is maximum at probe tip end;
see technical data sheet to specify reversed output.

Specifications are subject to change without notice.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	Update Specifications to V2	02-02-15	EH
B	Update for Rev C Housing	03-28-16	EH
C	Edit dim ∅.26 (was .27), reference ECN 16-177	09-20-16	EH
D	Update to 3-piece body. Ref: ECN 18-229	03-02-18	EH
E	Add conector MCBH4M	05-25-18	EH
F	Ref: ECN 18-256, correct pin callouts	09-24-18	EH
G	Revised as per ECN 24-380	03-29-24	EH



DETAIL A
SCALE 2 : 1



Nominal Range	Dim. "A" In. [mm]	Nominal Range	Dim. "A" In. [mm]
25 mm	1.0 [25.4]	300 mm	12.0 [304.8]
50 mm	2.0 [50.8]	350 mm	14.0 [355.6]
75 mm	3.0 [76.2]	400 mm	16.0 [406.4]
100 mm	4.0 [101.6]	450 mm	18.0 [457.2]
125 mm	5.0 [127.0]	500 mm	20.0 [508.0]
150 mm	6.0 [152.4]	600 mm	24.0 [609.6]
175 mm	7.0 [177.8]	700 mm	28.0 [711.2]
200 mm	8.0 [203.2]	750 mm	30.0 [762.0]
225 mm	9.0 [228.6]	800 mm	32.0 [812.8]
250 mm	10.0 [254.0]	900 mm	36.0 [914.4]

316 Stainless Steel Construction

4-Pin Connector	
I/O Function	Pin
+ Power Input	1
Ground	2
Analog output	3
SenSet™	4

NOTE:
Refer to Sheet 2 for details of target tube

UNLESS OTHERWISE SPECIFIED:
1. DO NOT SCALE DRAWING
2. DIMENSIONS ARE IN INCHES
3. INTERPRET DIM/TOL PER ANSI Y14.5M-1994
4. DEBURR/BREAK SHARP EDGES
5. DIMS ARE BEFORE FINISH
6. (DATA) FOR REFERENCE ONLY

TOLERANCES
DECIMAL: .XX ±.010 .XXX ±.005 FRACTIONAL: ±1/32 ANGULAR: ±.5°
THIRD ANGLE PROJECTION

CONTRACT NO. --

DRAWN BY:	G E Miller	DATE: 10-30-14
ENGINEER:	Ed Herceg	10-30-14
CHECKED BY:	Ed Herceg	10-30-14
QA:	--	--
MFG:	--	--
APPROVED BY:	--	--

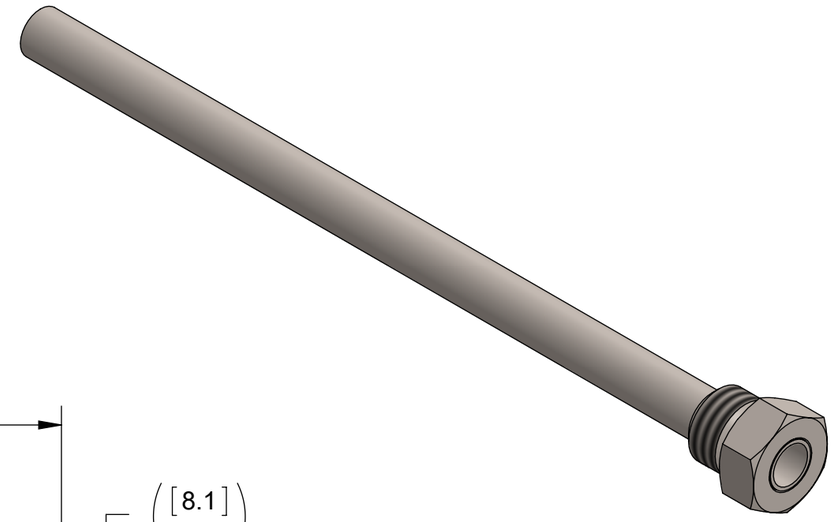
ALLIANCE SENSORS GROUP
A DIVISION OF HG SCHAEVITZ LLC
Pennsauken, New Jersey USA alliancesensors.com

SSX-7 Series
Outline

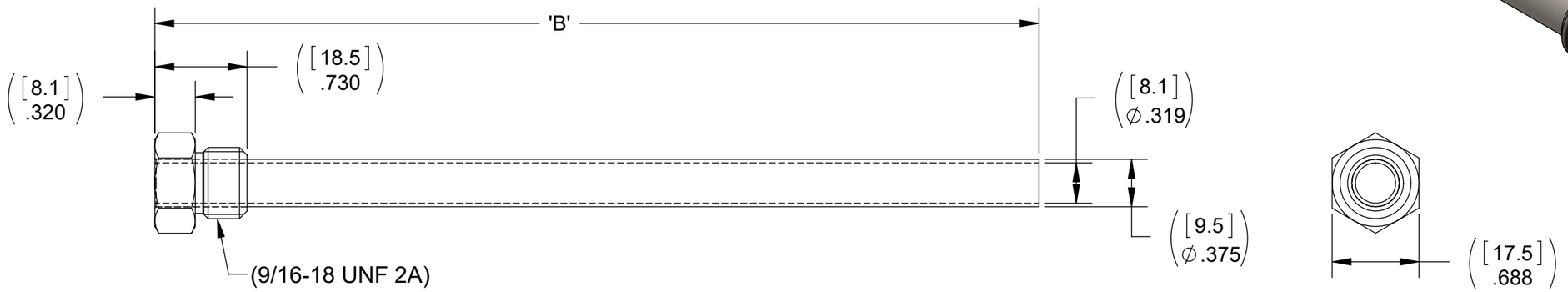
SIZE	CAGE CODE	DWG. NO.	REV
B	7LE43	3000-0017-XX	G

FILENAME: 3000-0017, SSX-7 Assy | SCALE: 1:1 | RELEASE DATE: -- | SHEET 1 OF 2

DWG. NO. 3000-0017-XX | REV G | LAST EDIT: 04-25-24 | BY: SN



Target Tube



Range -XX	Overall depth 'B'	Range -XX	Overall depth 'B'
In. [mm]	In. [mm]	In. [mm]	In. [mm]
1.0 [25.4]	2.0 [50.8]	12.0 [304.8]	13.0 [330.2]
2.0 [50.8]	3.0 [76.2]	14.0 [355.6]	15.0 [381.0]
3.0 [76.2]	4.0 [101.6]	16.0 [406.4]	17.0 [431.8]
4.0 [101.6]	5.0 [127.0]	18.0 [457.2]	19.0 [482.6]
5.0 [127.0]	6.0 [152.4]	20.0 [508.0]	21.0 [533.4]
6.0 [152.4]	7.0 [177.8]	24.0 [609.6]	25.0 [635.0]
7.0 [177.8]	8.0 [203.2]	28.0 [711.2]	29.0 [736.6]
8.0 [203.2	9.0 [228.6]	30.0 [762.0]	31.0 [787.4]
9.0 [228.6]	10.0 [254.0]	32.0 [812.8]	33.0 [838.2]
10.0 [254.0]	11.0 [279.4]	36.0 [914.4]	37.0 [939.8]

NOTE:
Refer to ASG document 1300-0011, Rev A: Installation of a LVIT Position Sensor in Hydraulic Cylinder for information on how to install the target tube

UNLESS OTHERWISE SPECIFIED:
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4. DEBURR/BREAK SHARP EDGES
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TOLERANCES
DECIMAL: .XX ±.010 .XXX ±.005 FRACTIONAL: ±1/32 ANGULAR: ±.5°
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CHECKED BY:	Ed Herceg	10-30-14
QA:	--	--
MFG:	--	--
APPROVED BY:	--	--

ALLIANCE SENSORS GROUP
A DIVISION OF HG SCHAEVITZ LLC
Pennsauken, New Jersey USA alliancesensors.com

Hydraulic LVIT Target Tube
for SSX-7 Series Assy

SIZE	CAGE CODE	DWG. NO.	REV
B	7LE43	3000-0017-XX	G

FILENAME: 3000-0017, SSX-7 Assy | SCALE: 1:1 | RELEASE DATE: -- | SHEET 2 OF 2

DWG. NO. 3000-0017-XX | REV. G | LAST EDIT: 04-25-24 BY: SN