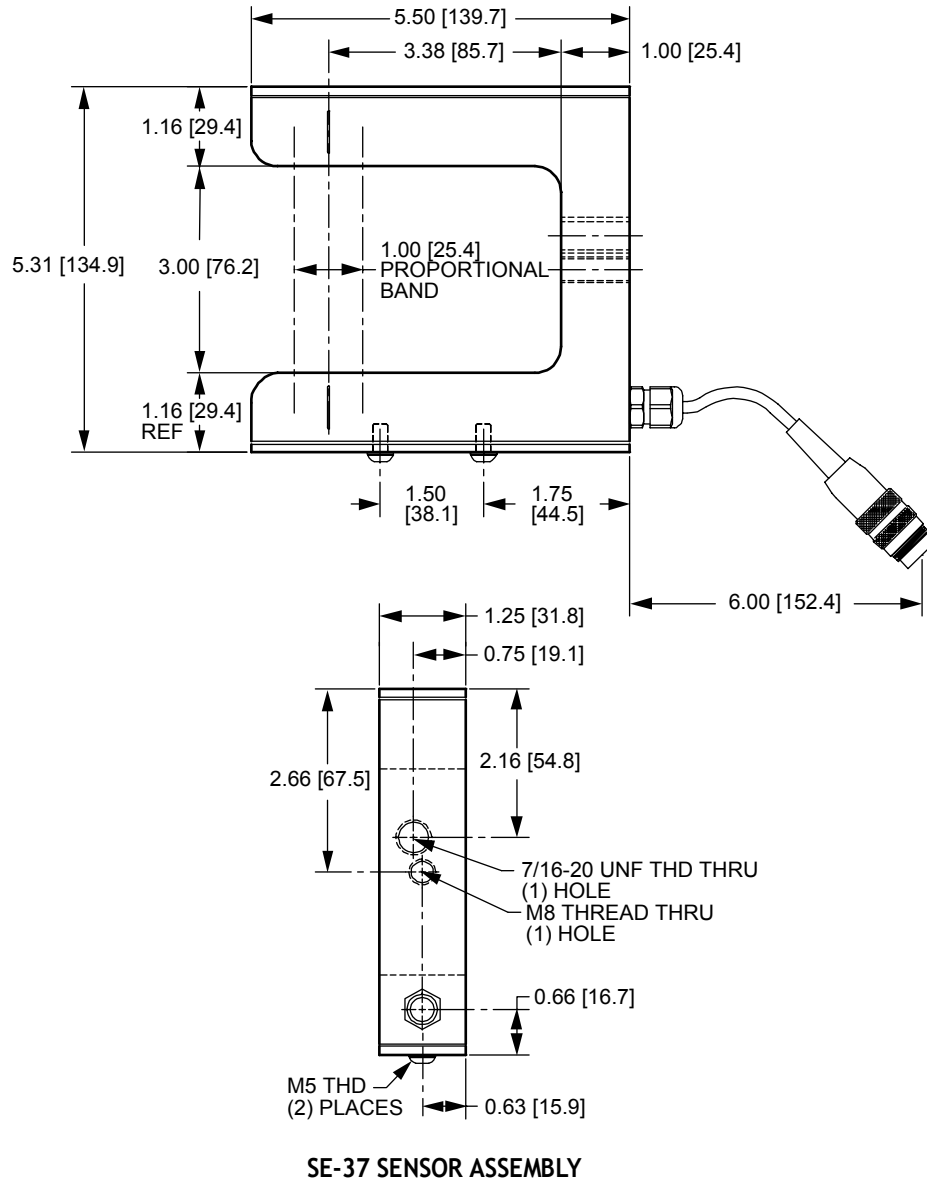




**SE-37 ULTRASONIC SENSOR**

**Figure 1.**



**Product Specifications:**

**Weights:**

SE-37 Sensor:  
20 oz (566 g)  
With M-17 Mounting Assembly:  
23 oz (652 g)  
With M-18 Mounting Assembly:  
24 oz (680 g)

**Operating Temperature:**  
32° to 140° F (0° to 60° C)

**Voltage Required for Operation:**  
10-15 VDC

**Max Supply Current:**  
27 mA

**Output Signal:**  
0 to 10 mA

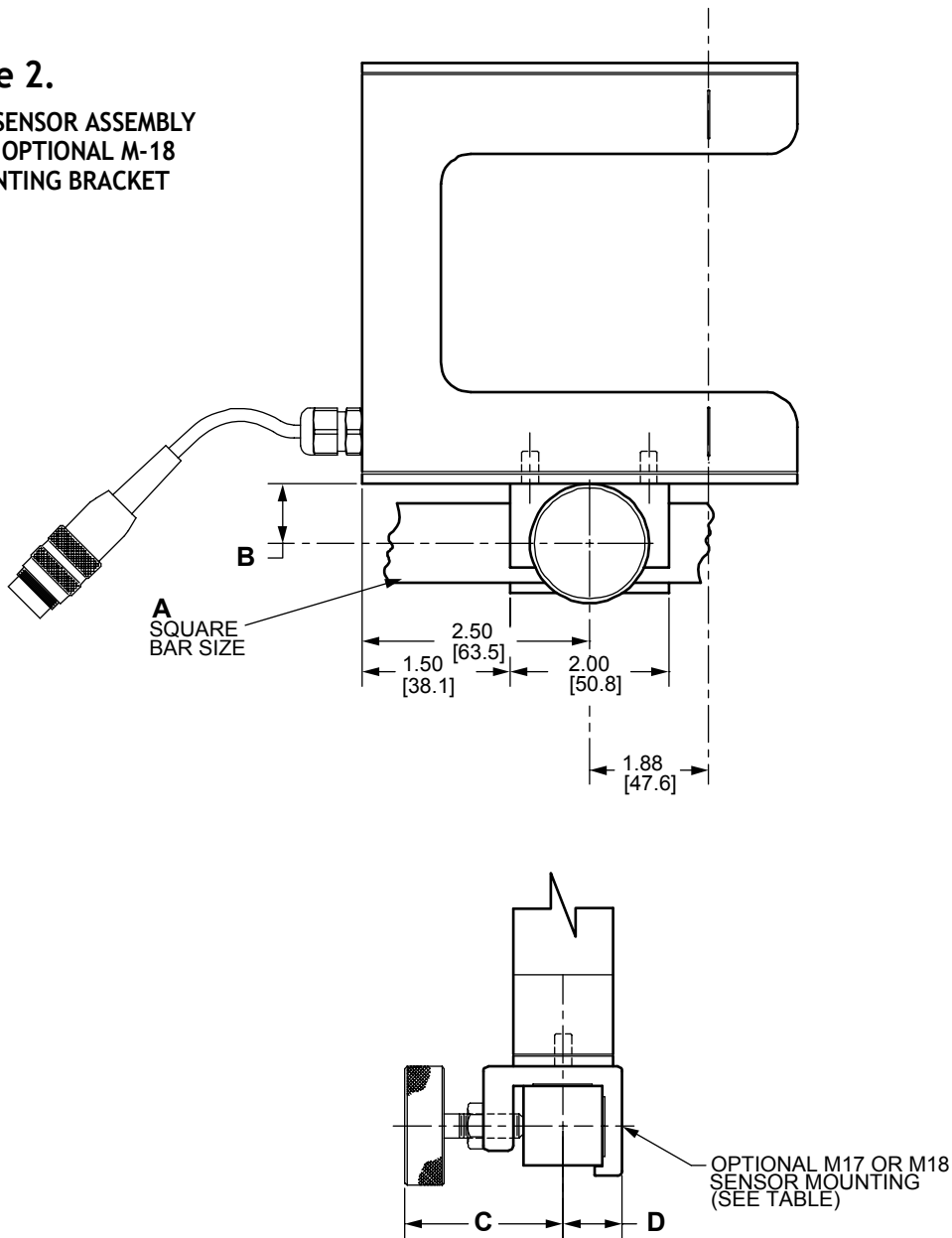
**Proportional Band:**  
1.00 inch (25.4 mm)

**ESD Protected:**  
Designed to IEC 801-2

INSTALLATION - Continued  
 INSTRUCTIONS FOR SE-37 ULTRASONIC SENSOR

SE-37 ULTRASONIC SENSOR MOUNTING

**Figure 2.**  
 SE-37 SENSOR ASSEMBLY  
 WITH OPTIONAL M-18  
 MOUNTING BRACKET



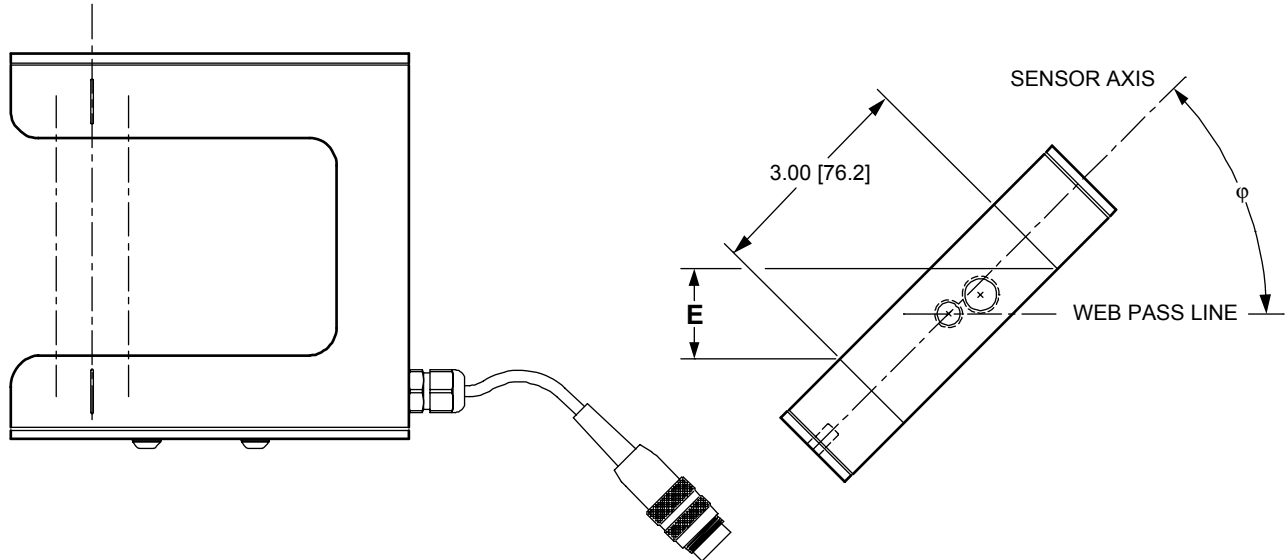
SENSOR MOUNTING	SQUARE BAR		B	C	D SE-37 3" GAP
	A SIZE	MAXIMUM LENGTH			
M-17	0.75 (19)	60.00 (1524)	0.63 (16)	1.53 (39)	0.63 (16)
M-18	1.00 (25)	86.00 (2184)	0.75 (19)	1.53 (39)	0.75 (19)

(All dimensions in parantheses are millimeters)

INSTALLATION - Continued  
INSTRUCTIONS FOR SE-37 ULTRASONIC SENSOR

SE-37 ULTRASONIC SENSOR MOUNTING

Figure 3.



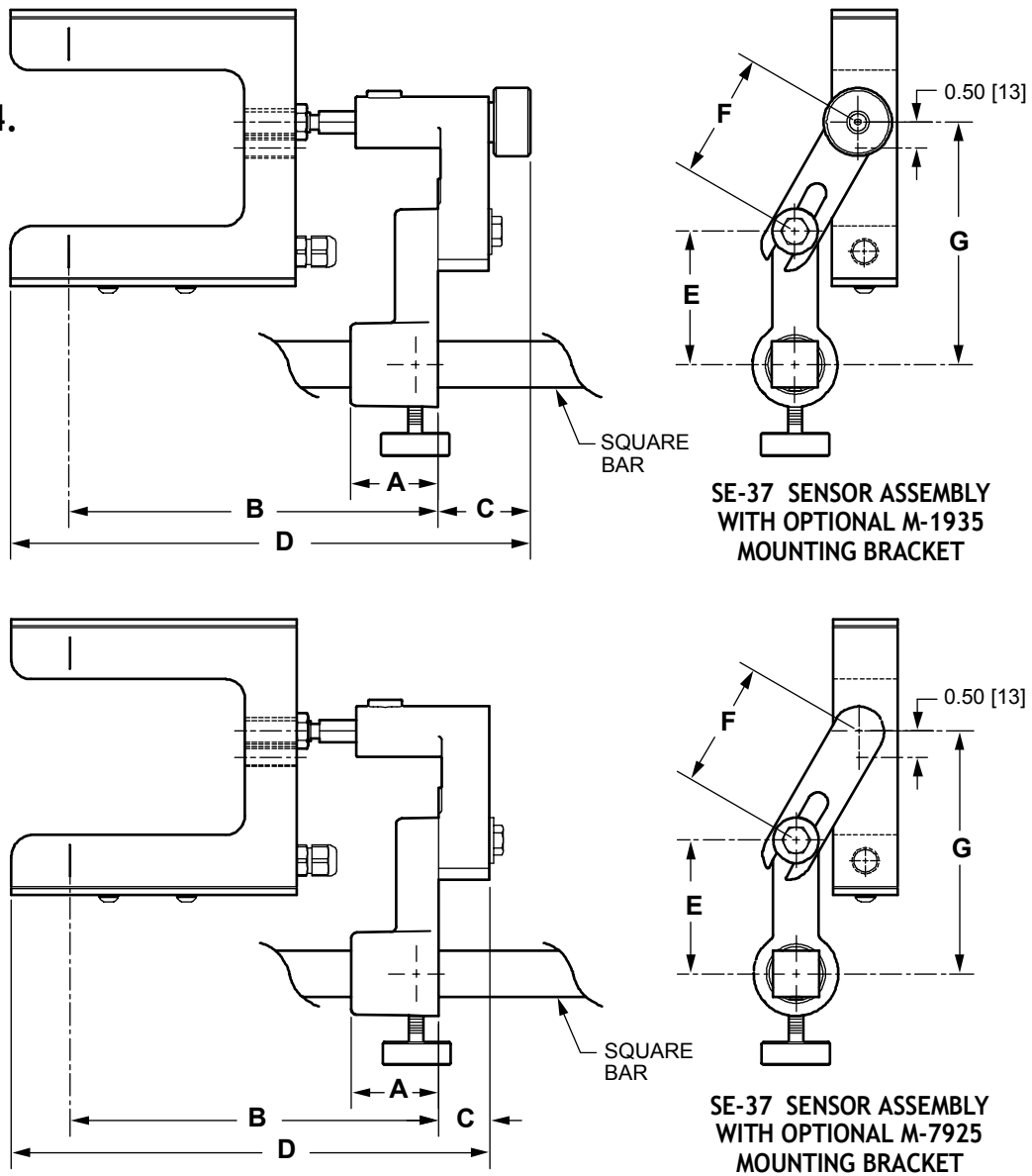
The SE-37 Sensor will provide satisfactory web guiding in a position perpendicular to the WEB PASS LINE. However, if the application warrants more accuracy, the SE-37 Sensor will provide the optimum performance when installed at a 45° angle to the WEB PASS LINE. When the SE-37 Sensor (P/N 67386-001) with a gap of 3.00 inches (76 mm) is installed at a 45° angle to the WEB PASS LINE the EFFECTIVE GAP (E) is 1.24 inches (32 mm).

$$E = [\sin(\phi - 22.62)]3.25$$

Recommended angle of installation is 45° .  
45° to 90° angle is acceptable BUT will reduce sensor performance.

**INSTALLATION - Continued**  
**INSTRUCTIONS FOR SE-37 ULTRASONIC SENSOR**

**Figure 4.**



SENSOR MOUNTING	SQUARE BAR		A	B ADJUSTABLE	C	D ADJUSTABLE	E	F ADJUSTABLE	G ADJUSTABLE
	SIZE	MAXIMUM LENGTH							
M-1935	1.00 (25)	86.00 (2184)	2.00 (51)	8.88-10.01 (226-254)	2.00 (50.8)	10.00-11.13 (254-283)	2.94 (75)	1.80-3.30 (46-84)	1.00-5.50 (25-140)
	1.25 (32)	96.00 (2438)	2.50 (64)						1.00-7.00 (25-178)
M-7925	1.00 (25)	86.00 (2184)	2.0 (51)	8.00-9.13 (203-232)	1.12 (28)	9.12-10.25 (232-260)	2.94 (75)	1.80-3.30 (46-84)	1.00-5.50 (25-140)
	1.25 (32)	96.00 (2438)	2.50 (64)						1.00-7.00 (25-178)

(All dimensions in parantheses are millimeters)