

# 870-2, 871-2

## Pneumatic Power Clamps | Ordering Information

870-2

| Base Model | Description                                          |
|------------|------------------------------------------------------|
| 870-2      | 38,1 mm [1.5 in.] Cylinder with Vertical Clamp Arm   |
| 871-2      | 38,1 mm [1.5 in.] Cylinder with Horizontal Clamp Arm |

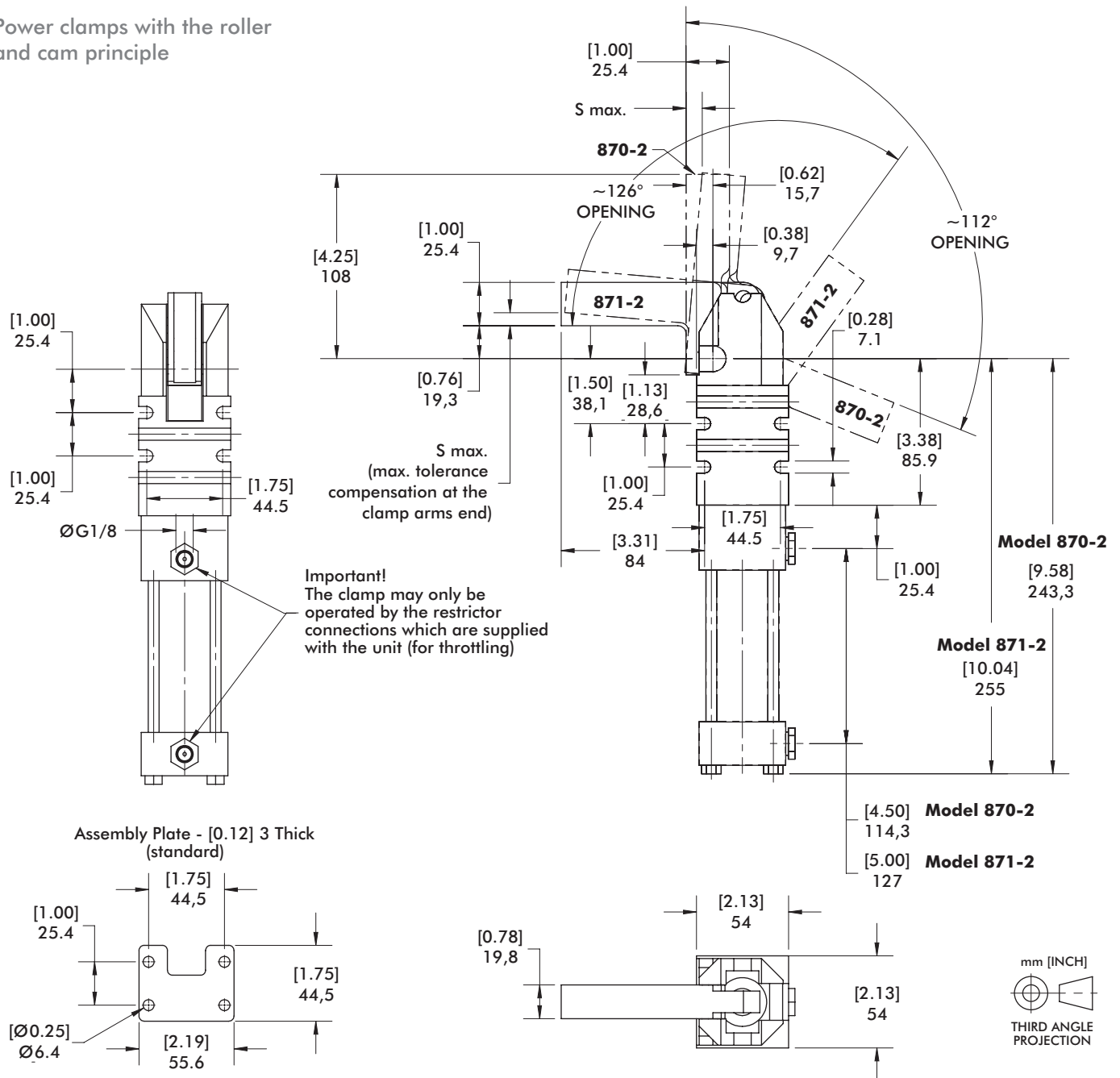
| Sensors    | Description (order separately)     |
|------------|------------------------------------|
| BIM-IKE-AP | Magnetic Sensor, 2 pieces required |
| 810151     | Magnetic Sensor, 2 pieces required |
| 810153     | Magnetic Sensor, 2 pieces required |
| 810155     | Magnetic Sensor, 2 pieces required |
| 810157     | Magnetic Sensor, 2 pieces required |

See page 72 for sensor specifications.



## Pneumatic Power Clamps | Dimensions and Technical Specifications

Power clamps with the roller and cam principle



| Model | Connection | S Max.<br>Max. Tolerance Compensation<br>at the Clamp Arms End<br>[ft lb] Nm | Max. Operating<br>Pressure<br>[psi] bar | Cylinder Ø<br>[in.] mm | Opening<br>Angle | Weight<br>[lbs] kg | Air Consumption per<br>double stroke at 5 bar<br>dm <sup>3</sup> [ft <sup>3</sup> ] |
|-------|------------|------------------------------------------------------------------------------|-----------------------------------------|------------------------|------------------|--------------------|-------------------------------------------------------------------------------------|
| 870-2 | G 1/8      | [3] 4,5                                                                      | [145]<br>10                             | [1.50]<br>38,1         | 112°             | [6.60]<br>3        | 0,95 [0.03]                                                                         |
| 871-2 |            | [3] 3,5                                                                      |                                         |                        | 118°             |                    |                                                                                     |

| Sensor Options | Mount Style | Connector         | Length       | Function | Voltage      | Max. Switching Current | Voltage Drop |
|----------------|-------------|-------------------|--------------|----------|--------------|------------------------|--------------|
| BIM-IKE-AP     | Tie Rod     | No connector cord | 2m [6.6 ft.] | PNP      | 10-30V DC    | 200mA                  | 2.3V         |
| 810151         |             |                   | 2.7m [9ft.]  | Reed     | 5-120V AC/DC | 500mA                  | 3.5V         |
| 810153         |             |                   |              | Reed     | 24-240V AC   | 4A                     | 1.0V         |
| 810155         |             |                   |              | PNP      | 6-24V DC     | 500mA                  | 1.0V         |
| 810157         |             |                   |              | NPN      | 6-24V DC     | 500mA                  | 1.0V         |