

# 803 SERIES

## Pneumatic Toggle Clamps | Product Overview

### Features:

- Pneumatic version of Model 603 manual straight line action clamp
- Sensor ready for round or T-slot style sensors

### Applications:

- Assembly
- Welding

### Also Available:

See page MC-ACC-1 for spindle accessories

See page MC-PSC-40 for sensing options

High temperature version available  
Upon Request, add **-HT** to model number. Example: 803-U-**HT**

803  
803-ME



## Technical Information | Holding Capacities | Dimensions

| Model  | Maximum Holding Capacity | Maximum Exerting Force @ 5bar [72PSI] | Plunger Travel | Plunger Thread | Weight             | Bore Size    | Air Consumption† dm³ [ft³] | Port Size |
|--------|--------------------------|---------------------------------------|----------------|----------------|--------------------|--------------|----------------------------|-----------|
| 803    | [600 lbf]<br>2670 N      | [675 lbf]<br>3015 N                   | [0.75]<br>19,1 | 5/16-18        | [1.86lb]<br>0,84kg | [1.26]<br>32 | [0.015]<br>0,42            | 1/8 NPT   |
| 803-ME |                          |                                       |                | M8             |                    |              |                            | G-1/8     |

†Per double stroke at 5bar [72PSI]

**Max Cylinder Pressure:** 10bar [145psig]

**Max Operating Temp:** -10°C to 90°C [-14°F to 194°F]

**Replacement Seal Kit:** 802450-32-1-00

**Replacement Clamp Assembly:** 803-LC, 803-M-LC

**Replacement Cylinder Assembly:** 807CYL

\*In no case should the inlet pressure be high enough to create an exerting force that exceeds the clamp's holding capacity.

See Technical Appendix Section for details.

### Sensor Accessories

Round Reed Switch with Qk Disconnect

### Item Number

810169

T-slot Reed Switch with Qk Disconnect

8EA-109-1

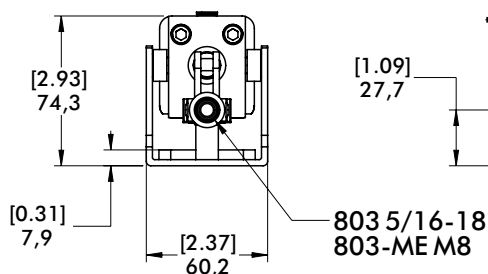
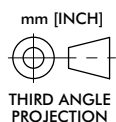
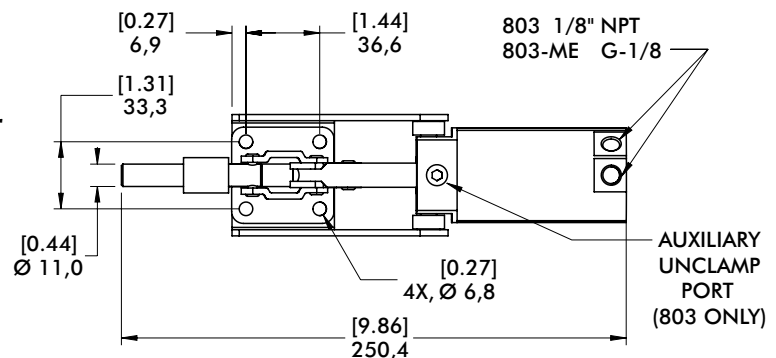
Quick Disconnect 2M Extension Cable

CABL-010

Quick Disconnect 5M Extension Cable

CABL-013

See Pneumatic Accessories section for more options



# 830 SERIES

## Pneumatic Toggle Clamps | Product Overview

### Features:

- Pneumatic version of Model 630 manual straight line action clamp
- Sensor ready for round or T-slot style sensors
- Built-in flow restriction eliminates need for external flow controls

### Applications:

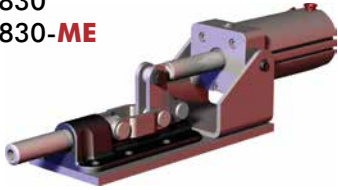
- Assembly
- Welding

### Also Available:

See page MC-ACC-1 for spindle accessories

See page MC-PSC-40 for sensing options

830  
830-ME



## Technical Information | Holding Capacities | Dimensions

| Model  | Maximum Holding Capacity | Maximum Exerting Force @ 5bar [72PSI] | Plunger Travel | Plunger Thread | Weight             | Bore Size    | Air Consumption† dm³ [ft³] | Port Size |
|--------|--------------------------|---------------------------------------|----------------|----------------|--------------------|--------------|----------------------------|-----------|
| 830    | [2500 lbf]<br>11100 N    | [800 lbf]<br>3582 N                   | [0.75]<br>19,1 | 3/8-16         | 2,79kg<br>[6.14lb] | [1.57]<br>40 | [0.029]<br>0,83            | 1/8 NPT   |
| 830-ME |                          |                                       |                | M10            |                    |              |                            | G-1/8     |

†Per double stroke at 5bar [72PSI]

**Max Cylinder Pressure:** 10bar [145psig]

**Max Operating Temp:** -10°C to 90°C [-14°F to 194°F]

**Replacement Seal Kit:** 810450-40-1-00

**Replacement Clamp Assembly:** 830-LC, 830-M-LC

**Replacement Cylinder Assembly:** 810CYL

\*In no case should the inlet pressure be high enough to create an exerting force that exceeds the clamp's holding capacity. See Technical Appendix Section for details.

### Sensor Accessories

Round Reed Switch with Quick Disconnect

T-slot Reed Switch with Quick Disconnect

Quick Disconnect 2M Extension Cable

Quick Disconnect 5M Extension Cable

See Pneumatic Accessories section for more options

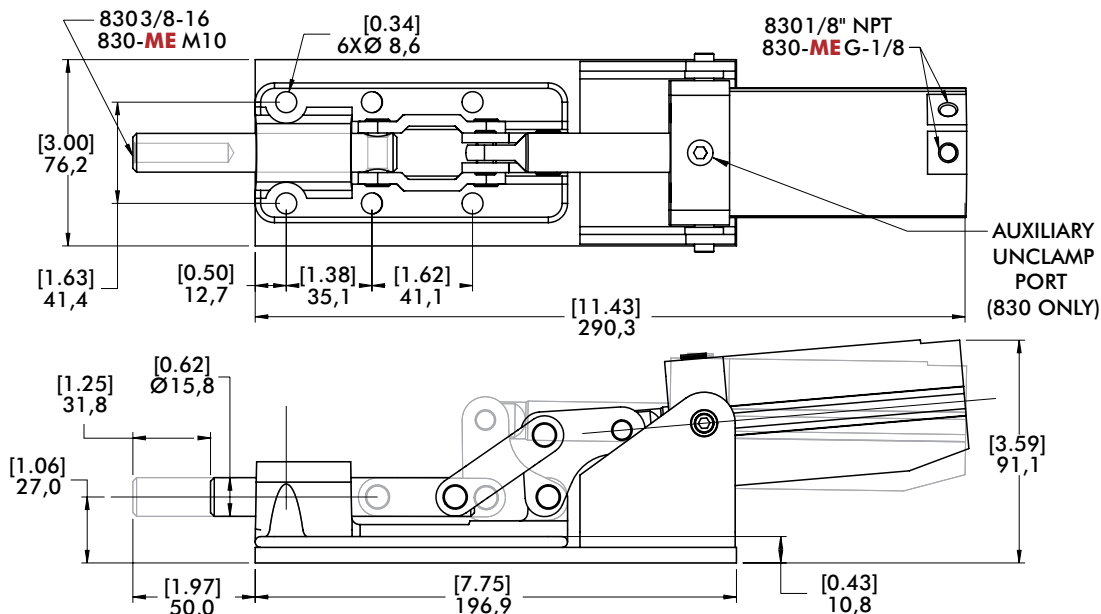
### Item Number

810169

8EA-109-1

CABL-010

CABL-013



### Features:

- Pneumatic version of Model 650 manual straight line action clamp
- Sensor ready for round or T-slot style sensors
- Built-in flow restriction eliminates need for external flow controls

### Applications:

- Assembly
- Welding
- Light press operations

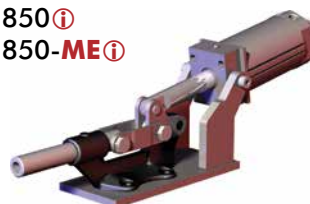
### Also Available:

See page MC-ACC-1 for spindle accessories

See page MC-PSC-40 for sensing options

850 ⓘ

850-ME ⓘ



## Technical Information | Holding Capacities | Dimensions

| Model    | Maximum Holding Capacity | Maximum Exerting Force @ 5bar [72PSI] | Plunger Travel | Plunger Thread | Weight              | Bore Size    | Air Consumption† dm³ [ft³] | Port Size |
|----------|--------------------------|---------------------------------------|----------------|----------------|---------------------|--------------|----------------------------|-----------|
| 850 ⓘ    | [16,000 lbf]<br>71200 N  | [1232 lbf]<br>5522 N                  | [2.00]<br>50,8 | 5/8-11         | [16.66lb]<br>7,56kg | [2.48]<br>63 | [0.109]<br>3,08            | 1/4 NPT   |
| 850-ME ⓘ |                          |                                       |                | M16            |                     |              |                            | G-1/4     |

ⓘ This item is available upon request. †Per double stroke at 5bar [72PSI]

**Max Cylinder Pressure:** 10bar [145psig]

**Max Operating Temp:** -10°C to 90°C [-14°F to 194°F]

**Replacement Seal Kit:** 850450-63-1-00

**Replacement Clamp Assembly:** 850-LC, 850-M-LC

**Replacement Cylinder Assembly:** 868CYL

\*In no case should the inlet pressure be high enough to create an exerting force that exceeds the clamp's holding capacity. See Technical Appendix Section for details.

### Sensor Accessories

Round Reed Switch with Quick Disconnect

T-slot Reed Switch with Quick Disconnect

Quick Disconnect 2M Extension Cable

Quick Disconnect 5M Extension Cable

See Pneumatic Accessories section for more options

### Item Number

810169

8EA-109-1

CABL-010

CABL-013

