

# 810 SERIES

## Pneumatic Toggle Clamps | Product Overview

### Features:

- Pneumatic version of Series 210 manual clamps
- Sensor ready for round or T-slot style sensors
- Built-in flow restriction eliminates need for external flow controls
- Optional handle version allows for manual operation during setup and positioning (U-bar only)

### Applications:

- Assembly
- Welding

### Also Available:

See page MC-ACC-1 for spindle accessories

See page MC-PSC-38 for sensing options

810-U  
810-UE



810-UH  
810-UHE



810-S  
810-SE



## Technical Information | Holding Capacities

| Model   | Maximum Holding Capacity |           | Maximum Exerting Force @ 5 bar [72 PSI] |           | Weight     | Bore Size | Air Consumption† dm³ [ft³] | Port Size | Accessories (Supplied) |                 |               |  |
|---------|--------------------------|-----------|-----------------------------------------|-----------|------------|-----------|----------------------------|-----------|------------------------|-----------------|---------------|--|
|         | Inner                    | Outer     | Inner                                   | Outer     |            |           |                            |           | Spindle Accessory      | Flanged Washers | Bolt Retainer |  |
| 810-U   |                          |           |                                         |           |            |           |                            | 1/8 NPT   | --                     |                 |               |  |
| 810-UH  | [600 lbf]                | [290 lbf] | [856 lbf]                               |           |            |           |                            |           |                        | 235106          | --            |  |
| 810-UE  | 2670 N                   | 1290 N    | 3834 N                                  | [407 lbf] | [4.07 lbs] | [1.57]    | [0.029]                    | G-1/8     | 240208-M               |                 |               |  |
| 810-UHE |                          |           |                                         | 1823 N    | 1,85 kg    | 40        | 0,83                       |           |                        |                 |               |  |
| 810-S   | [750 lbf]                | [500 lbf] | [702 lbf]                               |           |            |           |                            | 1/8 NPT   | --                     | --              | 210114        |  |
| 810-SE  | 3340 N                   | 2220 N    | 3143 N                                  |           |            |           |                            | G-1/8     |                        |                 |               |  |

†Per double stroke at 5 bar [72 PSI]

**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:** 810-U-LC, 810-S-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.

### 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

### Item Number

810169

8EA-109-1

CABL-010

CABL-013

See Pneumatic Accessories section for more options

# 810 SERIES

Pneumatic Toggle Clamps | Dimensions | -U/-UE/-UH/-UHE/-S/-SE

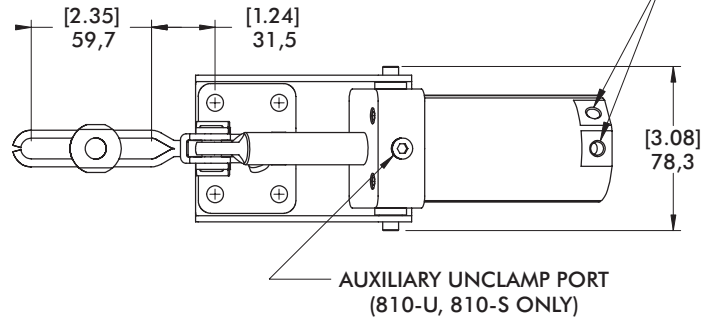
810-U  
810-UE



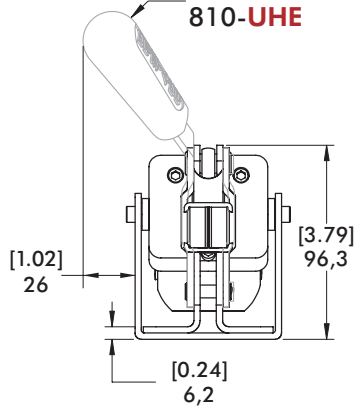
810-UH  
810-UHE



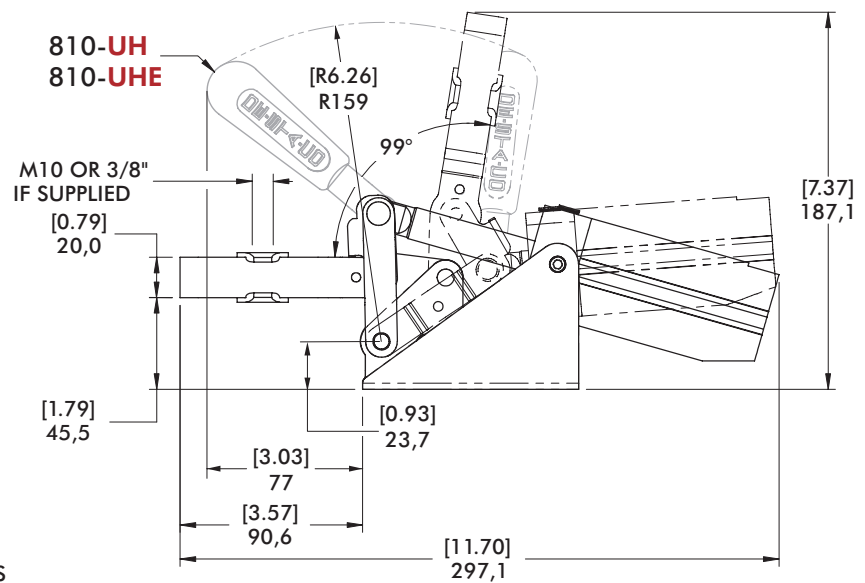
810-U / 810-UH / 810-S 1/8" NPT  
810-UE / 810-UHE / 810-SE G-1/8



810-UH  
810-UHE



810-UH  
810-UHE

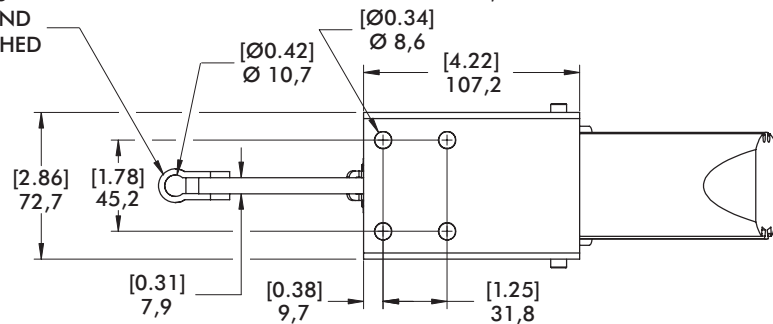


BOLT RETAINER IS  
SUPPLIED LOOSE AND  
NEEDS TO BE ATTACHED  
BY CUSTOMER

810-S  
810-SE



810-S  
810-SE



mm [INCH]  
THIRD ANGLE  
PROJECTION