

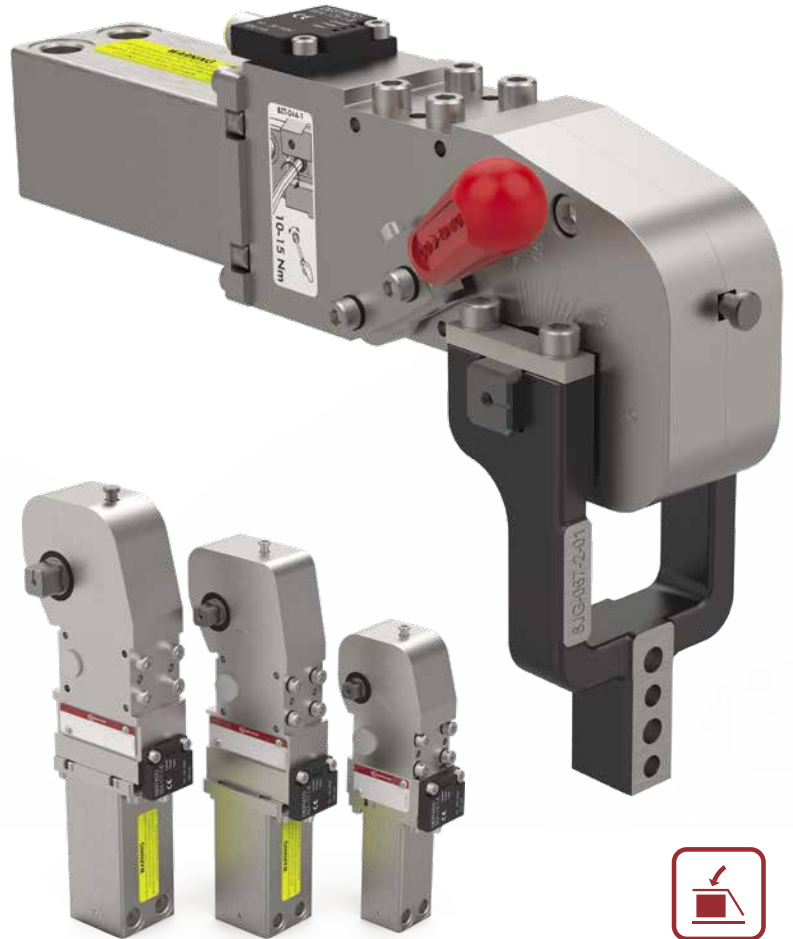
## 82L-3E Series

### Adjustable Lightweight Enclosed Power Clamps

DESTACO Power Clamps are designed to meet the rigorous requirements of automotive and sheet metal processing applications, while lasting millions of cycles.

The 82L-3E Power Clamps are built to withstand the harshest of manufacturing environments and designed to deliver superior clamping power with unparalleled flexibility. The 82L-3E has a lightweight aluminum design and has a improved mechanism for increased accuracy. Arm opening angles can be easily adjusted in the field with the use of one tool.

When it comes to holding and positioning workpieces perfectly in place, look no further than DESTACO's most flexible and complete family of enclosed power clamps to get the job done.



#### Product Highlights/Options

- Field adjustable arm opening angle
- Enclosed aluminum body
- Optional U-Arms and lateral arms available
- Available optional hand lever

#### Features, Markets and Applications

 LOW/NO MAINTENANCE	<ul style="list-style-type: none"> <li>• Easily adjust arm opening angle with one tool</li> <li>• Hand lever is adjustable for better ergonomics</li> <li>• Modular design improves spare parts ordering and reduces inventory</li> </ul>	 AUTOMOTIVE   INDUSTRIAL   AEROSTRUCTURE   CONSUMER GOODS	 ASSEMBLY   WELDING   FIXTURE/TESTING
 PERFORMANCE	<ul style="list-style-type: none"> <li>• Infinite arm opening adjustment (up to 105°)</li> <li>• Manual unlocking in case of air pressure loss</li> <li>• External hold open device is available for safe opening operation</li> </ul>		
 INTERCHANGEABLE	<ul style="list-style-type: none"> <li>• Multiple mounting surfaces provide greater flexibility</li> <li>• Compatible with all clamping arms as 82L-2 series</li> </ul>		

## 82L-3E is available in three sizes



Shown with optional sensor

**40mm**

Max Holding Torque  
380 Nm  
Max Clamping Torque  
120 Nm at 5bar

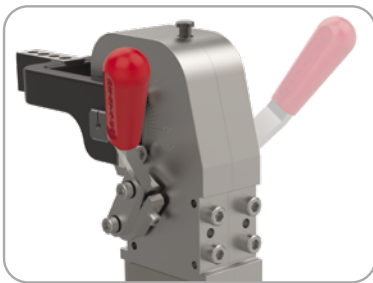
**32mm**

Max Holding Torque  
180 Nm  
Max Clamping Torque  
55 Nm at 5bar

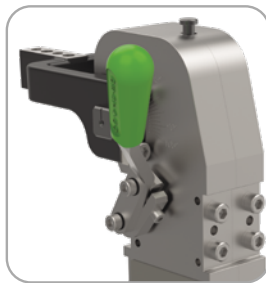
**25mm**

Max Holding Torque  
75 Nm  
Max Clamping Torque  
25 Nm at 5bar

## Can be ordered with optional hand levers



Optional Hand Lever can be mounted on Left or Right side



Standard handles available in red and green

## Use same clamp arms as the 82L-2 Series



U-Type Central Clamping Arms

H-Type Clamping Arms

Lateral Clamping Arms

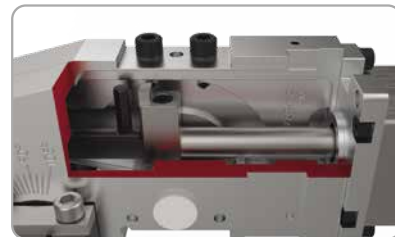
## Adjusting the arm opening angle



The clamp arm opening angle can be adjusted in the field from 1° up to 105°.



Remove cover/sensor to access clamping mechanism and adjust opening angle



Clamping arm opening is currently set at 105° in closed position.



Move clamping arm to full open position.

Use 4mm Allen wrench to release mechanism.



With Allen wrench in place, move clamp arm to desired opening position.

Tighten mechanism to 10-15Nm



Clamp is now set to new desired opening position.

There is no need to adjust sensing.

Dimensions and technical information are subject to change without notice.

PC\_82L3E-F\_0621\_US

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