

LCP-F-45E

Locking – Clamping Pin – Flanged Hole

The LCP-F-45E is 45mm thin with no protrusions providing weld guns with maximum access.

A 14mm capture zone and stepped pin diameter assures that the sheet metal will be moved to the proper position when clamped.

Mechanical locking (not over-center) maintains the clamp force while pneumatic pressure is removed. The clamping system is not under load when fully clamped resulting in a long service life.

Easy to Apply

European standard mounting patterns are employed. Sensing is achieved with an industry standard "world sensor".

A manual release is supplied in case of emergencies.

Tough

The pneumatic system is protected from weld spatter by a double bronze scraper system. The pin and hook are heat treated with a spatter shedding hard iron nitride surface layer and tough core. The units are lubricated for life and **guaranteed for the life of the tool** with application review.

The LCP-F-45E is the only underbody clamp to be tested for 3,000,000 grueling cycles in a test fixture that pushed back with over 1,500N of force. At the completion of the test the unit still functioned and showed minimal wear.



ZAYTRAN
AUTOMATION
www.auto-pin.com

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ZAYTRAN LCP-F-45E

Sheet Metal Thickness: .5 - 5mm
 Maxium Pressure: 8.2 bar (120 psi)
 Actuation: Pneumatic
 Clamping Force @ 6 bar: 355 daN (800 lbs.)
 Assembly Weight: 2.30kg (5.07 lbs.)

Model Nomenclature:

LCP-F-E-X-YY-MT-ZZ

X Ports: N (NPT) or G (G-Class)

YY Pin Dia.: 16 - 40 mm

MT Metal Thickness: .5 - 5mm

ZZ Sensing: SEN (P+F Sensing), SEN-TRK (Turck Sensing) or NS (No Sensing)

Example: LCP-F-45E-G-19.9-2-SEN

(LCP-F-45E with G-class ports, a 19.9mm pin,
 sheet metal thickness of 2mm & P+F SENSOR)

Sensor Information		
Pin	Color	Function
1	Brown	L+
2	White	Unclamp
3	Blue	L-
4	Black	Clamp

Connector: M12, 4 Pin, Male
 Operating Voltage: 10V to 30 V
 Protection Degree: IP65
For use in direct and alternating field welding systems.

