

LCP-F-45

Locking - Clamping Pin

Now With
Heat Treated
Tool Steel Pins

The LCP-F-45 is 45mm thin with no protrusions providing weld guns with maximum access to the sheet metal.

A 14mm capture assures that the sheet metal will be captured and 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

Auto/Steel standard shims and fastener spacers are used with a standard NAAMS mounting pattern. Sensing is achieved with an industry standard "world sensor" as well as a target that facilitates vision systems or laser sensors. No orifices or other restrictions should be used in the application of Zaytran pin clamps.

Tough

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

The LCP-F-45 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
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ZAYTRAN LCP-F-45

Sheet Metal Thickness: 1-3mm
 Maxium Pressure: 8.2 bar (120 psi)
 Actuation: Pneumatic
 Clamping Force @ 60 psi: 180 kg (397 lbs.)
 Clamping Force @ 80 psi: 240 kg (529 lbs.)
 Assembly Weight: 2.30kg (5.07 lbs.)

Model Nomenclature:

LCP-F-45-X-YY-ZZ-TT-HH

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

YY Pin Dia.: 16, 25, 40 (See Chart)

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

TT Shaft End: BWB (black/white/black Target), AL (Aluminum Handle)

HH Hook: IN (hook towards mounting surface), OUT (hook away from mounting surface), B (one of each)

Example: LCP-F-45-G-25-SEN-BWB-IN

LCP-F-45 with G-class ports, 25.0mm pin, P+F SENSOR, Black/White/Black Target & a hook positioned towards the mounting surface.

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.

Size	Diameter YY	Diameter LL
Nominal 16	16.0mm	30.0mm
Nominal 25	25.0mm	50.0mm
Nominal 40	40.0mm	60.0mm

