

# LSA-73-L

**Linear Straight Actuator  
For Offset Single  
Locating Pins**



*Compact / Light Weight  
End of Arm Tools  
Dense Tooling*

## **Rigid and Precise**

The LSA-73 uses a ceramic bearing system that provides absolute rigidity with a patented slider for anti-rotation. This technology combined with CNC precision results in RapStop™; a system integral to every unit. RapStop™ replaces external stops and rap couplings while it maintains Z-Axis accuracy to  $\pm 0.050$  mm. Tested with over 3,000,000 cycles and a 24kg load, the LSA-73 demonstrated less deflection than any commercially available locating pin and complies with every auto maker's requirements.

## **Easy to Apply**

The LSA-73 is symmetrical and has an extremely narrow profile to fit anywhere and stay out of the way of weld guns and other tooling. The light weight of the unit allows it to be used in end-of-arm-tooling. World standard sensors are employed to simplify controls integration. Dual Bronze anti-weld slag wipers in a non-conductive mount requires no insulation option. The LSA-73 uses 100% NAMMS standard mounting patterns and pins to assure easy design and assembly on the line. No orifices or other restrictions should be used in the application of Zaytran LSAs.

## **Weld Immune**

The LSA-73 uses the double bronze wiper that has protected tens of thousands of LSA units in automotive factories all over the globe. This system aggressively removes any weld slag from the heat treated shaft.

## **Maintenance Free**

The LSA-73 is guaranteed for the life of the tool (with design sign-off). There are no seals or plastic scrapers to change, no covers with pinch points, and, like all LSAs, the unit is lubricated for life!

**ZAYTRAN**  
AUTOMATION  
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# ZAYTRAN LSA-73-L

Stroke: 25mm or 50mm  
 Equivalent Bore Dia.: 57mm  
 Max. Pressure: 8.2 bar (120 psi)  
 Actuation: Pneumatic  
 Extend Force @ 4.1 bar (60 psi): 86.2kg (240 lbs.)  
 Retract Force @ 4.1 bar (60 psi): 72.6kg (193 lbs.)  
 Assembly Weight: 2.27kg (5.00 lbs.)

The use of orifices or restrictors is not recommended.

**Model Nomenclature:**

LSA-73-L-XX-YY-ZZ

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

YY Stroke: 25 (25mm) or 50 (50mm)

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

Example: LSA-73-L-N-50-SEN

LSA-73-L with NPT Ports, 50mm of Stroke and P&F Sensing

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

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

