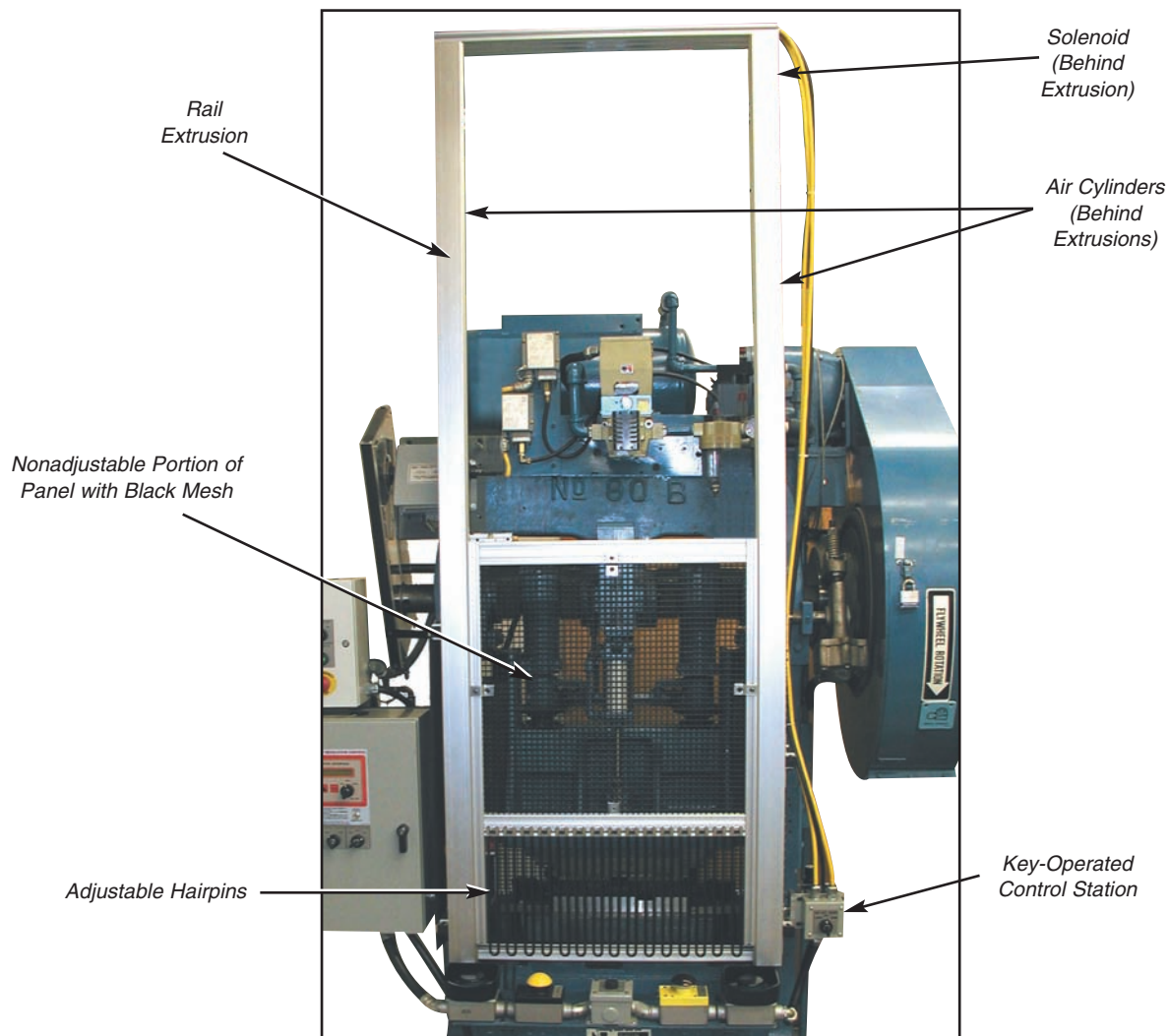


## SPRING LIFT XL-1 SL OR AIR LIFT XL-1 AL



**Air-Lift Guard XL-1 AL on a Power Press With 1/2" Square Black Mesh and Hairpins**

Lift-type guards, either spring lift or air lift, can be furnished on machines where guards need to be quickly and easily positioned up out of the way for die setup and maintenance. These lift-type guards are custom designed for each application to meet the requirements of OSHA (Occupational Safety and Health Administration) and ANSI (American National Standards Institute) safety standards.

These barrier guards are available with non-adjustable panels (NAP), or a variety of adjustable panels (AP3, AP4, AP5, and API). Various panel segments can be located in the nonadjustable area of the panel to meet specific requirements. Panels with adjustable hairpins do not have panel segments unless the operator requires visibility into the point of operation. The lift-type barrier

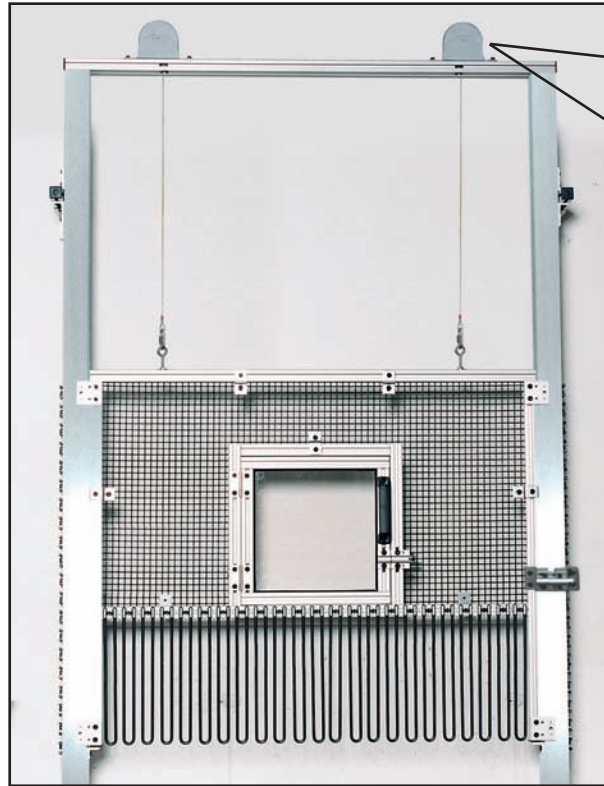
guards are attached to the machine by mounting the rails directly to the machine frame.

Usually, the panel framework of the guard is constructed of a rail and carriage assembly. The non-adjustable portion of the panel can be furnished with black or yellow mesh (1/2" or 1" square, 16 gauge), or 3/8" thick clear polycarbonate. A panel can be furnished with adjustable steel hairpins. The hairpins provide adjustability for strip or coil feeding, or for obstructions on the machine. The adjustable hairpins are secured to the panel frame with clips, T-nuts and socket-head cap screws.

This style of guard can also be furnished for horizontal operation rather than vertical operation as illustrated. Please contact the factory for details on horizontal applications.

## SPRING LIFT XL-1 SL OR AIR LIFT XL-1 AL (continued)

**Spring-Lift Guard XL-1 SL  
With 1/2" Square Black Mesh,  
Hairpins, and Polycarbonate  
Hinged Segment**



*Mechanical Motor  
Spring Helps  
Counterbalance the  
Spring-Lift Guard*

The spring-lift and air-lift guards are usually applied to a machine that has straight vertical sides with a point of operation that needs to be guarded. The mechanical motor springs on the spring-lift guard provide a counterbalance for the weight of the guard. This allows the guard to move upward from the guarded position to access the point of operation.



**Part No. LLD-240**  
Key-Operated Selector  
Switch Station for Air-  
Lift Guard (Included in  
Air-Lift Assembly)

The air-lift guard is usually applied in larger machines. With this system, the guards are raised and lowered by air cylinders (2) and operating cables that are attached to the guard.

A separate key-operated selector switch station controls the movement of the guard. This selector switch operates a solenoid which controls the air cylinders. The solenoid has a built-in check valve to keep the guard from dropping if air pressure is lost.



**The spring-lift and air-lift guards are not designed for manual feeding operations. For manual feeding operations using gates, please consult the factory or see pages 80-86.**

MOTOR SPRING*	
Part No.	Lift Capacity
<b>FKT-673</b>	20 lb
<b>FKT-674</b>	30 lb
<b>FKT-675</b>	40 lb
<b>FKT-676</b>	50 lb

AIR CYLINDER		
Part No.	Description	Lift Capacity
<b>FKT-795</b>	24" Lift Air Cylinder	174 lb
<b>FKT-796</b>	36" Lift Air Cylinder	174 lb
<b>FKT-797</b>	48" Lift Air Cylinder	174 lb

*\*Different springs are available in sets of two or four to accommodate a variety of panel weights (a minimum of two springs required for each panel). Please consult the factory.*