



EZ SLIDER

EZ Slider

SLIDE ACTION MADE SIMPLE

A COMPACT PRE-ENGINEERED SLIDE UNIT
READY TO BE INSTALLED OUT OF THE BOX

Molding features in the side of a plastic parts has historically been a designer challenge. Traditional methods typically deployed to achieve features include one of the following: slide units, hydraulic cylinders or lifters. All these methods require complex angular machining, multiple components and/or the use of hydraulics to achieve the feature. They also require a positive stop to hold injection pressure however EZ SLIDER is capable of holding mold injection pressure up to 15,000 lbs.

EZ SLIDER is a simplified self-contained unit designed to aid in molding undercuts and other part features. The unit utilizes the open and closing action of the plates to action a hydraulic plunger which intern moves the extension rod forward to create the part feature and once the mold opens the rod retreats allowing for part ejection. EZ SLIDER replaces and reduces machining required for slide units and lifters. No need for complex angular machining set ups or multiple components assemblies! Simply machine in a pocket and drop in the EZ SLIDER.

Features & Benefits

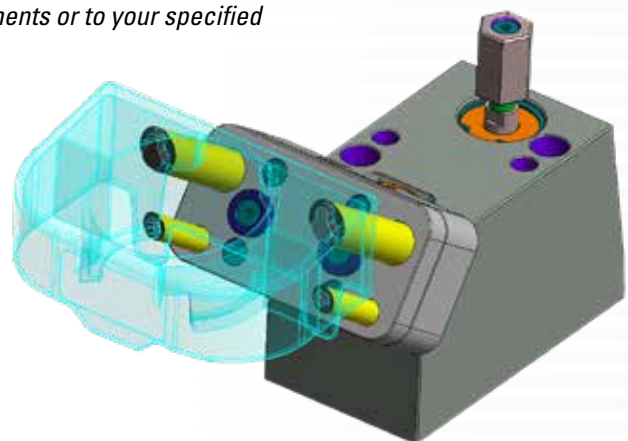
- **Holds mold injection pressure up to 15,000 lbs**
- Cycle tested to 1,000,000 without failure
- Compact system takes up less space
- Easy install and adjustment from parting line.
- Fully adjustable stroke of up to .390"
- Travel can be readjusted
- Simple design for tool maintenance.
- Lower overall cost vs traditional slides or lifters
- Cost differential becomes more pronounced when considering hydraulic activation or special driver mechanisms.
- Full 3D CAD is available for ease of design

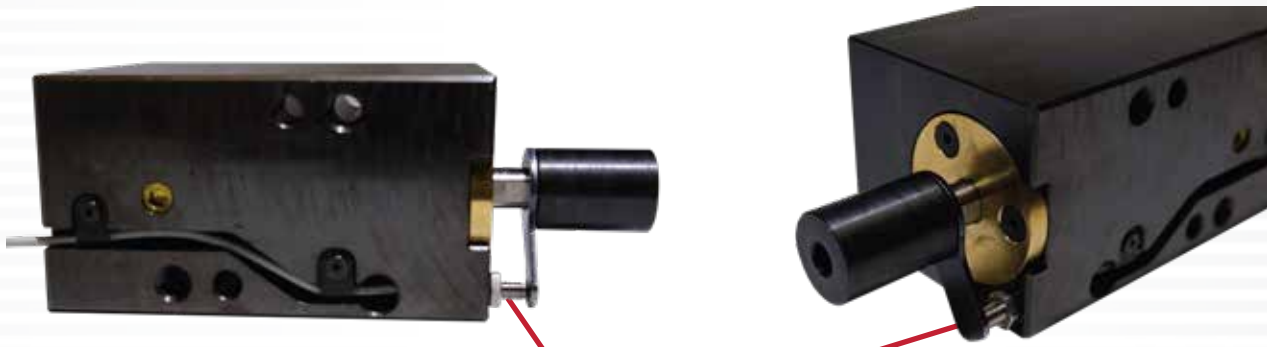


ITEM NUMBER	ACTUATION TYPE
EZ-00-S*	SPRING RETURN VERSION (BASE MODEL - BLUE SPRING)
EZ-00-SG*	SPRING RETURN VERSION (BASE MODEL - GOLD SPRING)
EZ-00-S-L*	SPRING RETURN with LIMIT SWITCH (BLUE SPRING)
EZ-00-SG-L*	SPRING RETURN with LIMIT SWITCH (GOLD SPRING)
EZ-00-P*	PNEUMATIC NITROGEN RETURN
EZ-00-P-L*	PNEUMATIC NITROGEN RETURN with LIMIT SWITCH

* NOTE: 00 specifies 0°. All units are available from 5° to 35° in 5° increments or to your specified angle as special order units. Email dme@dme.net for quotation.

EZ SLIDER angled units are available and come in standard 5° increments of deceleration up to 35°. Undercuts can be relieved where traditional slides or lifters cannot be utilized giving molders more design and manufacturing flexibility. Eliminating the need for costly mechanical or hydraulic drivers. Replaces expensive hydraulic cylinders, external limit switches, mounting plates. Eliminates the manufacture time and materials for additional components.

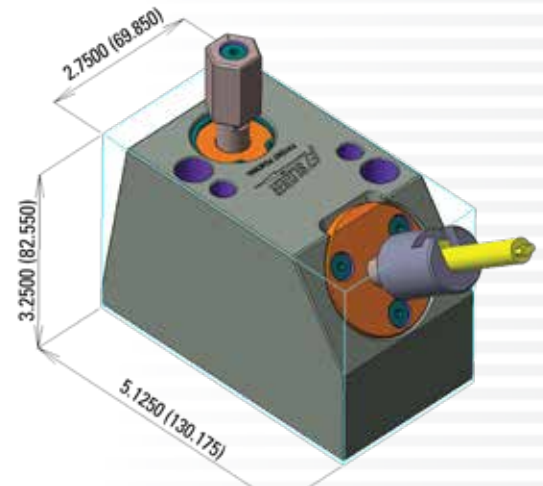




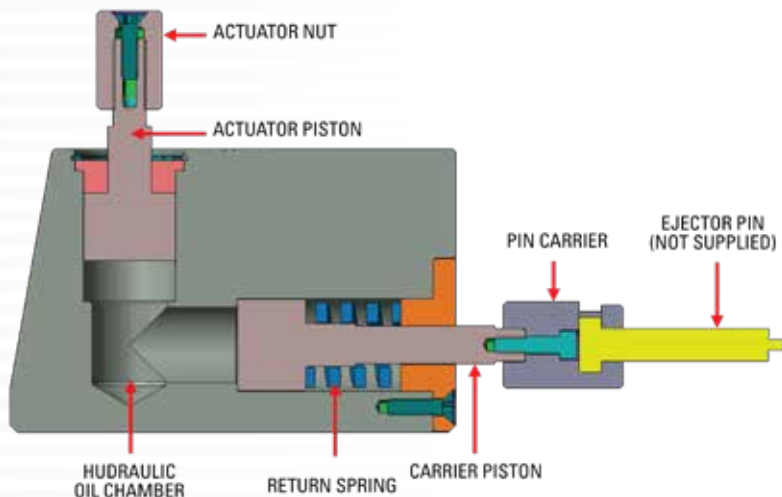
Integrated internal stainless-steel **limit switches** with LED illumination are available upon request to give a positive signal that it is safe to continue the molding process.

EZ Slider Specifications

	SPRING		PNEUMATIC
Charging Method	Blue	Gold	Nitrogen
Max Stroke	0.390"	0.225"	0.400"
Pressure at Start of Stroke	67.5 lbs.	256.5 lbs.	600-3000 PSI
Pressure at End of Stroke	225 lbs.	641 lbs.	Variable 4000 PSI
Capable of Holding Injection Pressure	15,000 lbs.		
Body Material	Steel		
Body Size	2.750" x 3.250" x 5.125"		
Weight	13 lbs.		



Cut-a-way View



How does it work?

The cut way view below allows you to see the inter working of the EZ SLIDER unit. As the actuator is compressed by the above plate it applies pressure to the attached plunger downward causing the hydraulic oil to push the spring rod forward to the molding position. During the ejection process as the mold opens the actuator is release and the return spring pushes the spring rod backwards. The molded part is now ready for ejection.

With tens of thousands of products to choose from, DME is your one-stop shop for everything molding. From complex undercuts solutions and plate control to standard pins, bushings and interlocks, the DME line of mold components will help you build or rebuild your mold base inside out, top to bottom. Industrial Supplies, Mold Bases, MUD Quick-Change, Control Systems, and Hot Runner solutions round out our extensive offering to truly be your one-stop shop.



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