

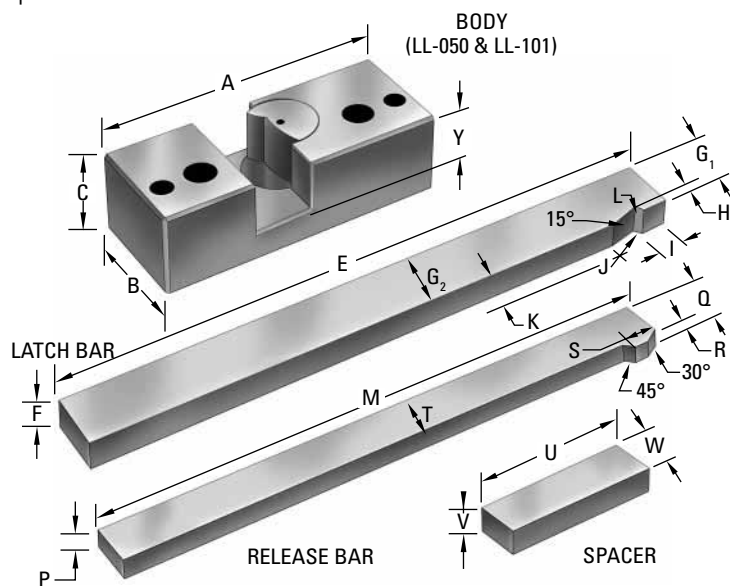
Jiffy Latch-Lok™ Assemblies – General Information

A Simple, Easy-to-Install Device to Mechanically Float Plates

The D-M-E Jiffy Latch-Lok™ provides new freedom in design to mechanically float plates. There is no need for electric switches, pneumatic controls or timing devices with delicate adjustments. The action of the Jiffy Latch-Lok is positive.

Once properly installed, the Latch-Lok eliminates the possibility of smashing the mold because there are no adjustments that can change, or connections that can be accidentally knocked off. The Jiffy Latch-Lok is available in sizes for regular or heavy-duty operation. It also comes in regular or 90° (right angle) designs to provide maximum installation flexibility.

A minimum of four assemblies required per mold. Large molds may require additional assemblies.

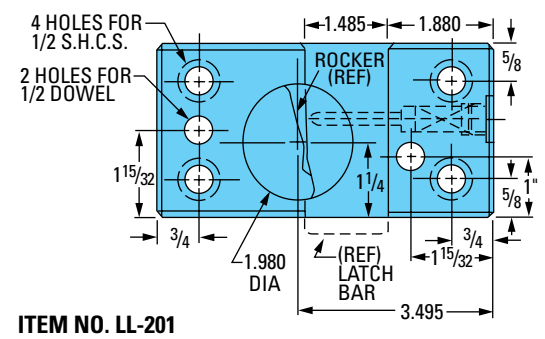
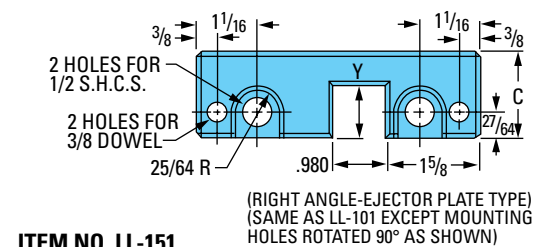
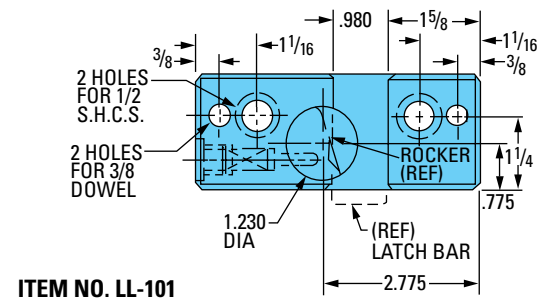
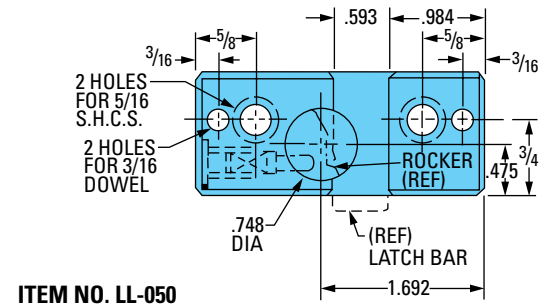


U.S. Patent No. 3,706,116

RECOMMENDED USAGE BASED ON MOLD BASE WIDTH	
≤ 10"	LL-050
11" to 15"	LL-101 or LL-151
> 16"	LL-201

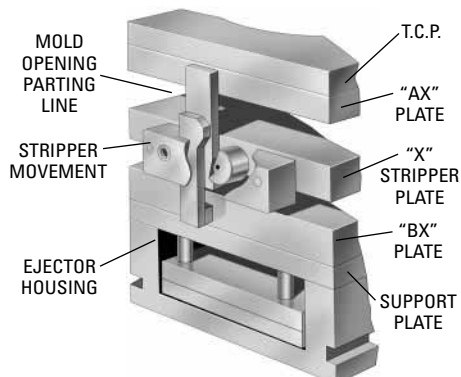
Replacement parts are available.

ITEM NUMBER	BODY				LATCH BAR								RELEASE BAR					SPACER					
	A	B	C	Y	E	F	G1 NOM	G2 NOM	H	I NOM	J RAD	K	L RAD	M	P	Q	R NOM	S	T	U	V	W	
LL-050	3	1 ³ / ₁₆	1 ⁵ / ₁₆	.535	7	.285	.585	.590	.070	.30	.375	.103	.018	7	.230	.590	1 ¹ / ₈	3 ³ / ₈	1 ¹ / ₂	1 ³ / ₄	.295	1 ¹ / ₂	
LL-101	5	1 ¹⁵ / ₁₆	1 ⁷ / ₁₆	7 ⁷ / ₈	10	.475	.967	.977	.115	1 ¹ / ₂	.615	.170	.03	10	.355	.977	3 ³ / ₁₆	5 ⁵ / ₈	.825	3	.488	7 ⁷ / ₈	
LL-151																							
LL-201	6	2 ¹⁵ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₂	16	.975	1.465	1.475	.187	5 ⁵ / ₈	.989	.130	.04	16	.475	1.475	.275	7 ⁷ / ₈	1.255	4 ¹ / ₂	.995	1 ¹ / ₂	



Jiffy Latch-Lok™ Assemblies | Jiffy Latch-Lok™ Assemblies – General Information

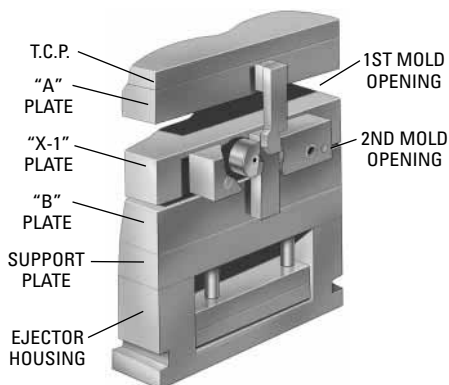
Jiffy Latch-Lok™ Assemblies – Application Information



To Control Stripper Plate

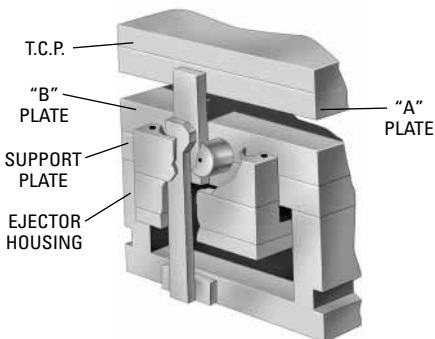
Cycle time is often wasted waiting for the press knock-out bar to function. With the application of the D-M-E Jiffy Latch-Lok, as illustrated to the right, the stripper plate is moved in a secondary action of the mold opening without the aid of the press knock-out bar.

The Jiffy Latch-Lok permits you to shorten the ejection stroke, improve cycle time and increase the number of parts per shift.



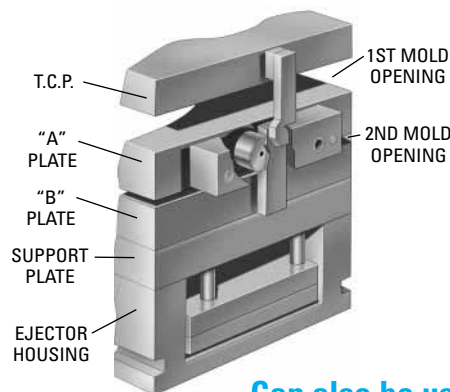
To Float "X-1" Plate Away from "A" Plate while Locking "X-1" and "B" Plates

In this application of the Jiffy Latch-Lok, the "X-1" plate is floated away from the "A" plate in the first mold opening sequence. At a predetermined opening (you determine the distance) the "X-1" plate is released from the "B" plate for the second mold opening. This application of the Jiffy Latch-Lok is particularly effective on "AX" or three-plate top runner molds.



To Float "A" Plate Away from Top Clamp Plate while Locking "A" and "B" Plates

In the D-M-E Latch-Lok application illustrated here, the "A" plate moves away from the top clamp plate in the first mold opening. During this portion of the cycle, the "A" and "B" plates are locked. As the release bar passes the rocker, the "A" and "B" plates part in the second mold opening.



Actuation of Ejector Assembly Without Aid of Press Knock-Out Bar (LL-151 only)

For those mold applications where a shorter press stroke is required, the D-M-E Jiffy Latch-Lok is extremely effective.

You can activate the Jiffy Latch-Lok at any time after the mold begins to open, and pull the ejector assembly forward. This simple action shortens cycle time and increases part production.

Can also be used for "Reverse" Ejection from the Stationary Side of the Mold.

D-M-E Jiffy Latch-Lok Replacement Parts

DESCRIPTION	FOR LATCH-LOK LL-050	FOR LATCH-LOK LL-101	FOR LATCH-LOK LL-151	FOR LATCH-LOK LL-201
	ITEM NUMBER	ITEM NUMBER	ITEM NUMBER	ITEM NUMBER
ROCKER	LL-052	LL-102	LL-102	LL-202
LATCH BAR	LL-053	LL-103	LL-103	LL-203
RELEASE BAR	LL-054	LL-104	LL-104	LL-204