

## INTERNAL LATCH LOCKS

### DME's Internal Latch Lock Allows Precision Control of Mold Plate Latching Operation

DME's unique internally-mounted latch lock mechanism adapts to a number of mold base sizes and plate thicknesses. It is available in four sizes to accommodate most standard DME stripper plate mold bases. Two travel ranges and two center puller pin lengths are available for each of the three latch lock sizes. Once installed, DME's Internal Latch Locks control the sequence of one parting line opening after the first parting line has traveled a predetermined distance. After installation there are no adjustments that can be accidentally changed. The Internal Latch Locks are most commonly used on DME AX-Series stripper plate mold bases but can be used on other DME stripper plate mold bases as well.

- » Four diameter sizes to choose from – 28mm, 34mm, 45mm and 60mm – depending on the size of the mold and the application
- » Two travel ranges and two center puller pin lengths to choose from for each of the four sizes
- » Hardened steel components for longer life
- » Latching mechanism has built-in travel limitation
- » When latch is released, latching cams hold released stripper plate in fully traveled position
- » Easy set-up of timing for latching mechanism
- » Internal installation avoids interferences with water line connectors and externally mounted components



### INTERNAL LATCH LOCK SELECTION CHART

Basic Latch Size	Internal Latch Lock Assembly Item Number	"T" Travel Range				Center Puller Pin Length Options		Recommended Maximum Standard DME Mold Base Width	Maximum Recommended Load Values (Per Ass'y)	
		Minimum mm	Minimum in	Maximum mm	Maximum in	mm	in		Static	Dynamic
20mm DIA (small)	DKL2811	5	.197	30	1.181	140	5.512	11-7/8" for 4 units	10 kN (2,248 lbf)	100 kg (200 lbs) for 4 units
	DKL2812					250	9.843			
	DKL2821	30	1.181	55	2.165	140	5.512			
	DKL2822					250	9.843			
34mm DIA (medium)	DKL3411	6	.236	41	1.614	160	6.299	16-1/2"	20kN (4500 lbf)	200 kg (440 lbs)
	DKL3412					280	11.024			
	DKL3421	41	1.614	76	2.992	160	6.299			
	DKL3422					280	11.024			
45mm DIA (large)	DKL4511	12	.472	58	2.283	200	7.874	23-3/4"	30kN (6,740 lbf)	300 kg (838 lbs)
	DKL4512					310	12.205			
	DKL4521	58	2.283	104	4.094	200	7.874			
	DKL4522					310	12.205			
60MM DIA (extra lg)	DKL6011	15	.590	80	3.149	270	10.630	19-3/4" for 2 units 35-1/2" for 4 units	40 kN (8,992 lbf)	520 kg (1,146 lbs)
	DKL6012					370	14.567			
	DKL6021	80	3.149	130	5.118	270	10.630			
	DKL6022					370	14.567			