



EZ-LATCH

Plate Control



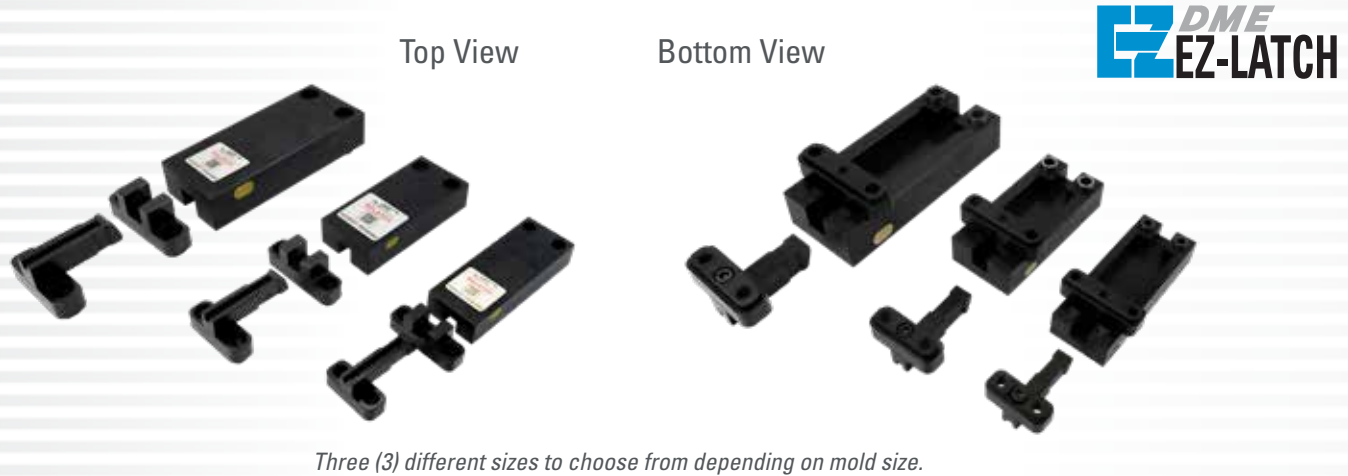
PREMIUM EXTERNAL LATCHES
PRECISION WITH EASE

DME EZ-LATCH LOCKS

PRECISE POSITIONING FOR A VARIETY OF DIFFERENT MOLDING APPLICATIONS

The easy and reliable solution to sequence your mold plates.

DME's EZ-LATCH is the first truly universal external latch lock system. Most locks on the market are designed only for specific applications and require additional machining before they are ready for use making it difficult to select the right latch lock to correctly sequence the plates. The DME EZ-LATCH Lock, with its modular capabilities, addresses this limitation and, through its patent pending mechanical design provides safer and longer lasting performance.



Providing A Controlled Sequencing Solution For Mass Production Molds

The DME EZ-LATCH Lock is the easy solution for all plate control application including 3 plate molds, 2-stage ejection, early plate return, both stationary "cavity" and moving "core" side ejection (in place of high cost hydraulic cylinders).

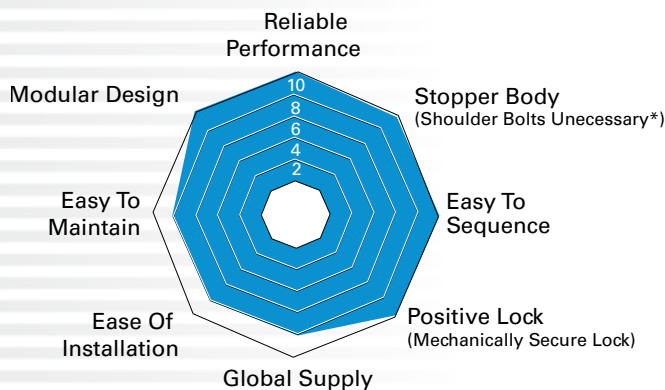
 NO SPRINGS	<p>Unlike any other lock on the market, the DME EZ-LATCH Lock incorporates a positive mechanical lock avoiding the use of springs and/or friction devices a common source of product failure and even the occasional crashing of the tool. This safer solution provides a more consistent lock every cycle making it the preferred solution for mass production.</p>
-----------------------	--

Designed For Ease of Installation

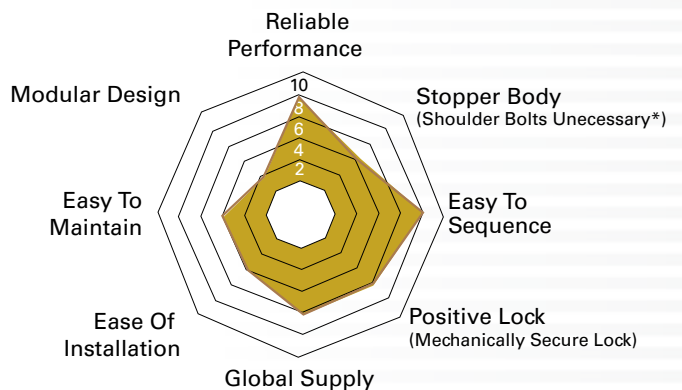
Its standard design makes it easy to install straight out of the box.



DME EZ-LATCH External Latch Locks



Competitor External Latch Locks



DME EZ-LATCH EXTERNAL LATCH LOCKS

Positive and Precise Positioning of Floating Plates

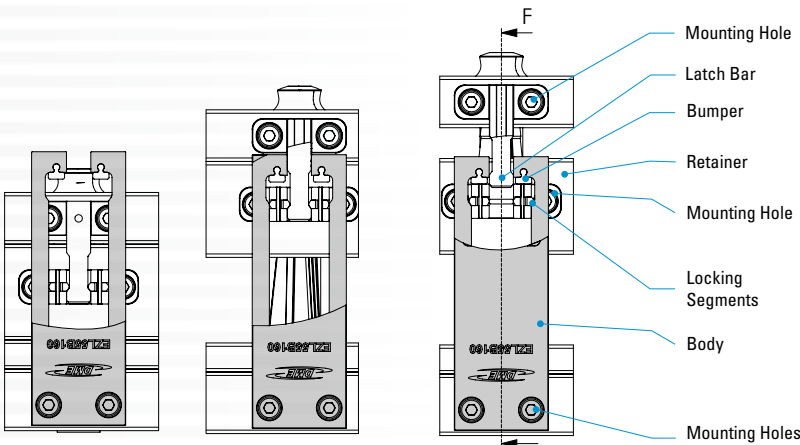
- Ideal for molds with floating plates, including stripper plates & 3-plate molds
- Floating plates are positively locked mechanically in place during mold opening and closing, preventing potential mold damage
- Reliable long-life performance through its unique design and use of nitride diffused material, avoiding coatings that can wear off during use
- Allows faster cycle times due to mechanical action vs latch locks that rely on springs or friction to lock plates
- Simplifies mold design while improving design flexibility
- Designed and engineered to hold large loads while saving space inside the mold
- Optional long latch bar for greater stroke



BENEFITS

There's a reason DME has added its new external latch locks to its EZ line of products:

- **EZ - to install**
- **EZ - to sequence (time) plates**
- **EZ - to use on thin plates**
- **EZ - used for all plate control needs**
- **EZ - to disassemble & maintain**
- **Does not use springs, stripper/shoulder bolts or friction components**

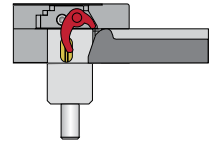


CONTROL YOUR PLATES

WITH THE DME EZ-LATCH LOCKING SYSTEM

3 KEYS TO SUCCESS

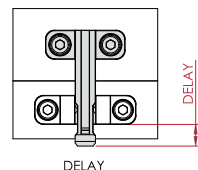
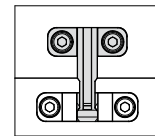
1
Mechanical strength



2
2-piece superior design

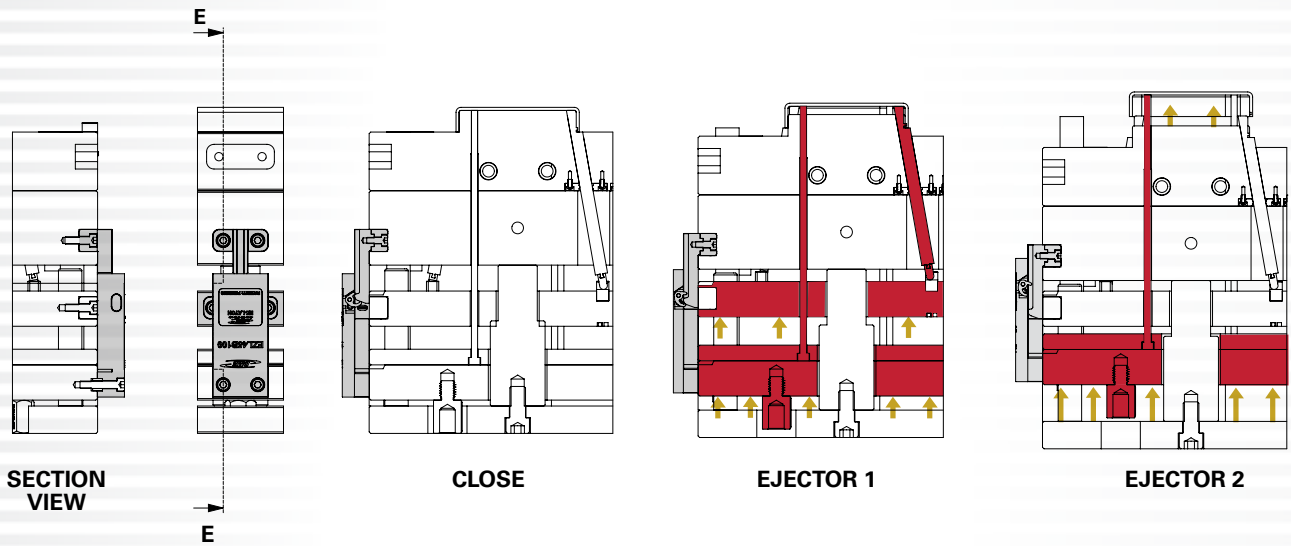


3
Built-in delay for ultra flexibility



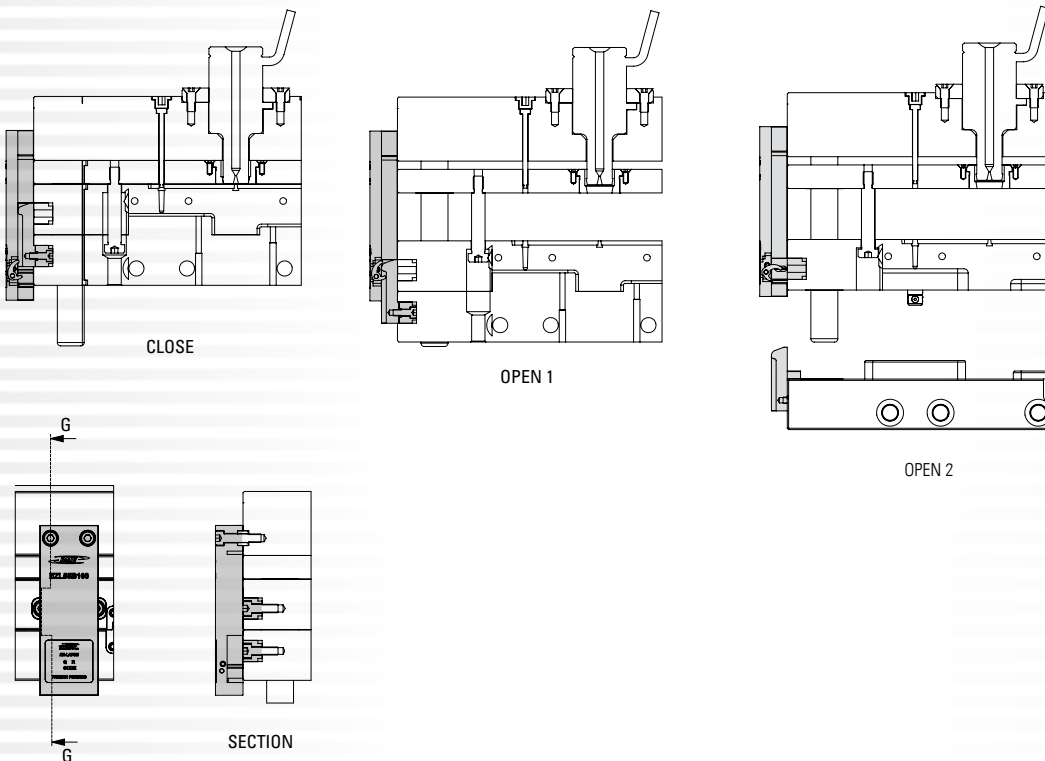
DME EZ-LATCH LOCKS

FOR BOTTOM LAST 2-STAGE EJECTOR



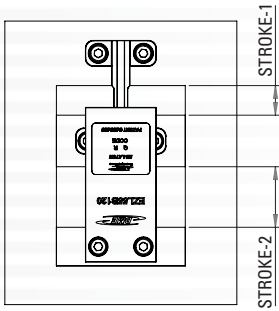
DME EZ-LATCH LOCKS

3-PLATE MOLD CONTROL

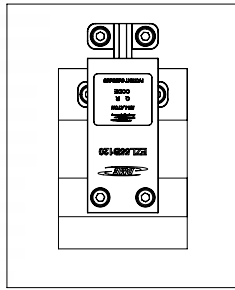


DME EZ-LATCH LOCKS

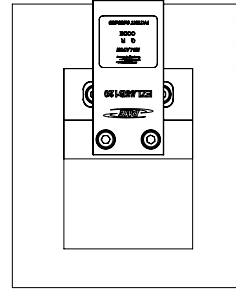
BOTTOM LAST SEQUENCE



2-STAGE BOTTOM LAST
CLOSE



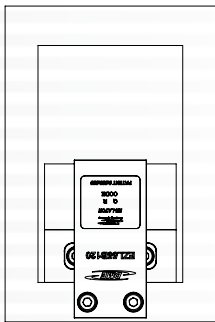
2-STAGE BOTTOM LAST
OPEN-1



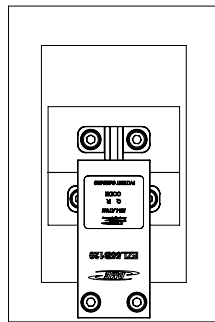
2-STAGE BOTTOM LAST
OPEN-2

DME EZ-LATCH LOCKS

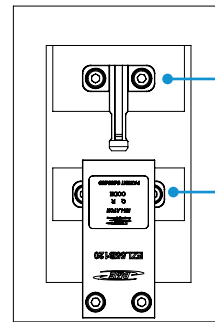
TOP LAST SEQUENCE



2-STAGE TOP LAST
CLOSE



2-STAGE TOP LAST
OPEN-1



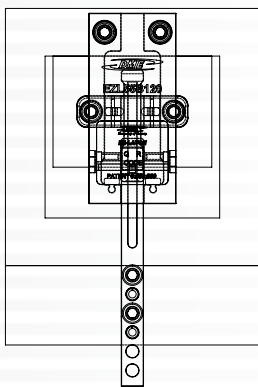
2-STAGE TOP LAST
OPEN-2

2 Stage Ejection
Either Top Ejector
Plate or Bottom Last
Ejector

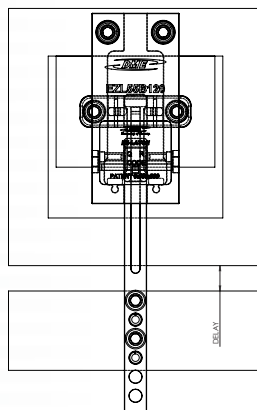
DME EZ-LATCH LOCKS

FOR EJECTOR (BOTH FIX SIDE AND MOVING SIDE)

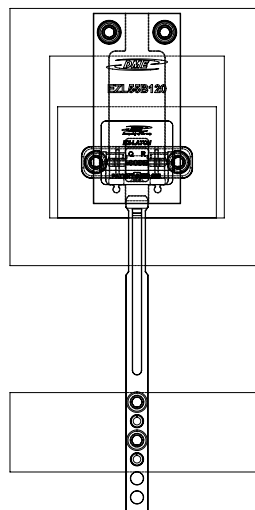
Latch bar attaches to the B-plate with body attached to the clamp plate creates delayed ejection.



MOLD CLOSED WITH DELAY



PL OPEN RELEASE DELAY

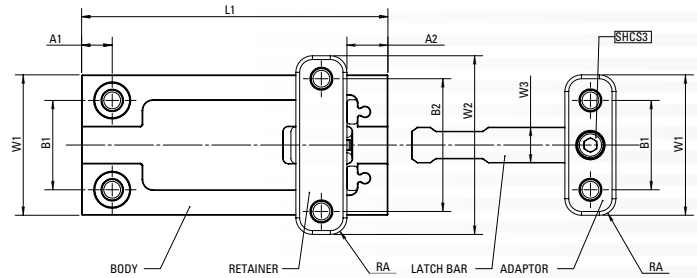
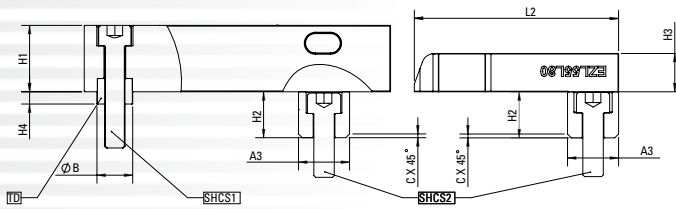


EJECTOR OUT



PRODUCT SPECIFICATIONS

DME EZ-LATCH LOCKS: STANDARD LATCH BAR



Material:

Body- Pre-hardened 5140 Steel Nitrided

Latch Bar, Adapter & Retainer - H-13 +/-46HRC Nitrided

Series	W1	W2	W3	B1	B2	A1	A2	A3	A4	A5	H1	H2	H3	H4	R	C
EZL45	45	60	12	28	45	10	14	18	122	10	22	15	12	4	5.5	1.5
EZL55	55	70	14	35	52	12	16	20	130	12	26	18	15	5	6.5	1.5
EZL75	75	90	20	48	65	15	20	26	185	15	36	20	20	5.0	8	2

SERIES	BODY ASSEMBLY (Body, Adapter, Retainer & Tubular Dowel)		LATCH BAR		Complete Assembly (Body Assembly & Latch Bar)	
	ITEM #	L1	ITEM #	L2	ASSEMBLY ITEM #	FASTENERS
EZ45	EZL45B100	100	EZL45L50	50	EZL45B100L50	(1) M5 X 12 (2) M6 X 30 (4) M6 X 20
			EZL45L70	70	EZL45B100L70	
			EZL45L90	90	EZL45B100L90	
			EZL45L110	110	EZL45B100L110	
	EZL45B130	130	EZL45L50	50	EZL45B130L50	
			EZL45L70	70	EZL45B130L70	
			EZL45L90	90	EZL45B130L90	
			EZL45L110	110	EZL45B130L110	
	EZL45B160	160	EZL45L50	50	EZL45B160L50	
			EZL45L70	70	EZL45B160L70	
			EZL45L90	90	EZL45B160L90	
			EZL45L110	110	EZL45B160L110	
EZ55	EZL55B120	120	EZL55L60	60	EZL55B120L60	(1) M6 X 16 (2) M8 X 40 (4) M8 X 25
			EZL55L80	80	EZL55B120L80	
			EZL55L100	100	EZL55B120L100	
			EZL55L120	120	EZL55B120L120	
	EZL55B160	160	EZL55L60	60	EZL55B160L60	
			EZL55L80	80	EZL55B160L80	
			EZL55L100	100	EZL55B160L100	
			EZL55L120	120	EZL55B160L120	
	EZL55B200	200	EZL55L60	60	EZL55B200L60	
			EZL55L80	80	EZL55B200L80	
			EZL55L100	100	EZL55B200L100	
			EZL55L120	120	EZL55B200L120	
EZ75	EZL75B180	180	EZL75L100	100	EZL75B180L100	(1) M8 X 25 (2) M10 X 50 (4) M10 X 30
			EZL75L125	125	EZL75B180L125	
			EZL75L150	150	EZL75B180L150	
			EZL75L175	175	EZL75B180L175	
	EZL75B230	230	EZL75L100	100	EZL75B230L100	
			EZL75L125	125	EZL75B230L125	
			EZL75L150	150	EZL75B230L150	
			EZL75L175	175	EZL75B230L175	
	EZL75B280	280	EZL75L100	100	EZL75B280L100	
			EZL75L125	125	EZL75B280L125	
			EZL75L150	150	EZL75B280L150	
			EZL75L175	175	EZL75B280L175	

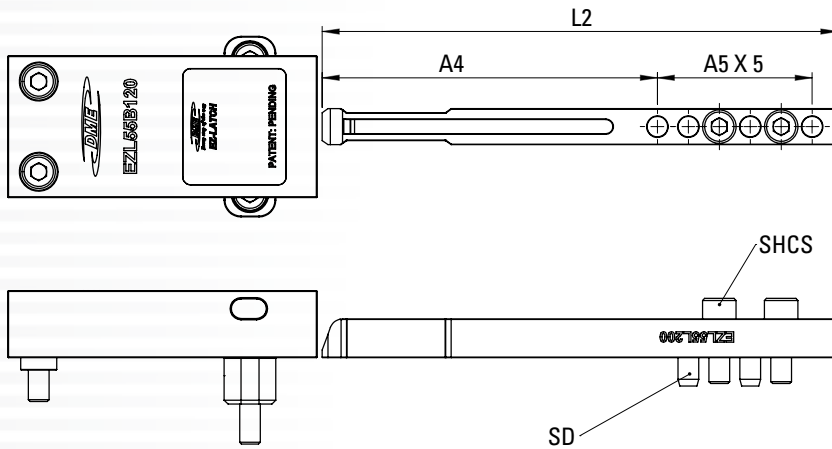
NOTE: BODY SPECIAL ORDER IS AVAILABLE: ITEM#: SERIES+B+(L1); FOR EXAMPLE, SELECT EZL55, L1=150, ITEM#: EZL55B150

LATCH BAR SPECIAL ORDER IS AVAILABLE: ITEM#: SERIES+L+(L2); FOR EXAMPLE, SELECT EZL55, L2=150, ITEM#: EZL55L150



PRODUCT SPECIFICATIONS

DME EZ-LATCH LOCKS: LONG LATCH BAR OPTION



Please reference drawing dimensions & chart on previous page for determining body selection

SERIES	BODY ASSEMBLY (Body, Adapter, Retainer & Tubular Dowel)		LATCH BAR		Complete Assembly (Body Assembly & Latch Bar)	
	ITEM #	L1	ITEM #	L2	ASSEMBLY ITEM #	FASTENERS
EZL45	EZL45B100	100	EZL45L180	180	EZL45B100L180	(2) M6 x 25 (2) SD6 x 25
	EZL45B130	130			EZL45B130L180	
	EZL45B160	160			EZL45B160L180	
EZL55	EZL55B120	120	EZL55L200	200	EZL55B120L200	(2) M8 x 30 (2) SD8 x 30
	EZL55B160	160			EZL55B160L200	
	EZL55B200	200			EZL55B200L200	
EZL75	EZL75B180	180	EZL75L275	275	EZL75B180L275	(2) M10 x 40 (2) SD10 x 40
	EZL75B230	230			EZL75B230L275	
	EZL75B280	280			EZL75B280L275	

NOTE: BODY SPECIAL ORDER IS AVAILABLE: ITEM#: SERIES+B+(L1); FOR EXAMPLE, SELECT EZL55, L1=150, ITEM#: EZL55B150
LATCH BAR SPECIAL ORDER IS AVAILABLE: ITEM#: SERIES+L+(L2); FOR EXAMPLE, SELECT EZL55, L2=150, ITEM#: EZL55L150

Sizing Guide

w1 (2PCS)	INTENDED MOLD SIZE	Sz	BACKLASH
45	250 x 250	2.0	0.2
55	450 x 450	2.5	
75	700 x 700	3	

Backlash - Clearance for segment
Sz- Switch Zoon

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.



World Headquarters

DME Company LLC

29111 Stephenson Highway
Madison Heights, MI 48071

800-626-6653 toll-free tel

248-398-6000 tel

888-808-4363 toll-free fax

www.dme.net web

dme@dme.net e-mail

DME of Canada Ltd.

6210 Northwest Drive
Mississauga, Ontario
Canada L4V 1J6

800-387-6600 toll-free tel

905-677-6370 tel

800-461-9965 toll-free fax

dme_canada@dme.net e-mail

DME Mexico / South America

Circuito el Marques Notre, No.55
Parque Industrial El Marqués
El Marqués, Querétaro, CP 76246

52.442.713.5666 tel

dme_mexico@dme.net e-mail

eSTORE

 store.dme.net

Shop online 24/7.