

EM Locks. And every bracket.

Electromagnetic locks from 100 to 1200 lbs, for single and double doors, with or without lock-status feedback. Plus the L, Z and U brackets that fit them to wooden, metal and glass doors.



100–1200

lbs holding force across the range

1 or 2

leaf: single-door and double-door locks

Feedback

lock-status output on selected models

Buzzer

buzzer models also available

Seven locks. One clear choice.

All NavKar EM locks are fail-safe: power on, the door is held shut; power off, it opens. Pick by holding force, number of leaves and whether you need a lock-status signal.

MODEL	HOLDING FORCE	LEAF	LOCK-STATUS FEEDBACK	SUPPLY	TYPICAL USE
EM-102	100 lbs (about 45 kg)	Single	Standard	12 / 24 V DC	Light-duty doors
EM-302	300 lbs	Single	Standard	On request	Medium-duty doors
EM-305	300 lbs	Single	With feedback	On request	Medium-duty, monitored
EM-602	600 lbs (about 280 kg)	Single	Standard	12 / 24 V DC	Standard single doors
EM-605	600 lbs (280 kg)	Single	With feedback	12 / 24 V DC	Single doors, monitored
EMSL-1202	1200 lbs	Single	Standard	On request	Heavy single doors
EMDL-1202	1200 lbs (2 × about 280 kg)	Double	Standard	12 V DC	Double doors

Buzzer models. EM locks with a built-in buzzer are also available. Ask us for the model and specifications for your project.

CHOOSE IN FOUR STEPS

1

Holding force

100 and 300 lbs for lighter doors, 600 lbs for most single doors, 1200 lbs for heavy doors.

2

Single or double leaf

One door: a single-leaf lock. A pair of doors meeting in the middle: EMDL-1202 double leaf.

3

Feedback or buzzer

Need the alarm panel or controller to know the door is locked? Choose a feedback model. Buzzer models on request.

4

Bracket for your door

Opens away from the lock: no bracket. Opens towards it: Z + L. Frameless glass: U bracket. See page 6.

The everyday lock.

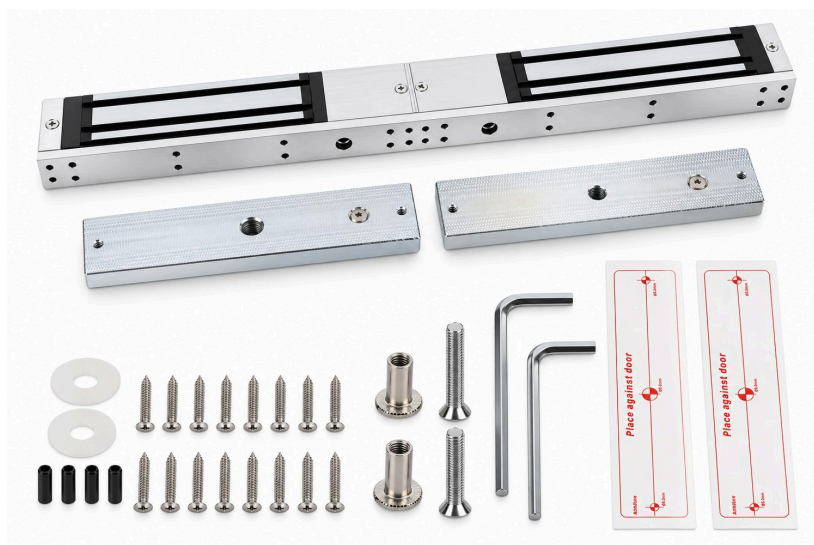
Our most fitted size. EM-602 for standard doors, EM-605 when you also want a lock-status signal for your alarm or access controller.



	EM-602 · STANDARD	EM-605 · WITH FEEDBACK
Holding force	600 lbs (about 280 kg)	600 lbs (280 kg)
Supply voltage	12 V or 24 V DC $\pm 10\%$	12 / 24 V DC
Current draw	About 0.5 A at 12 V · 0.25 A at 24 V	110 mA at 12 V
Lock - status feedback	Standard (no feedback)	Yes, status signal output
Operation	Fail - safe: power on to lock, power off to release	
Indicator	Built-in LED	On request
Body	Anodised aluminium	Aluminium alloy, inner hex screws
Lock size	About 250 × 47 × 25 mm	On request
Armature plate	About 180 × 36 × 10 mm	Iron plate
Environment	On request	-10 to 55 °C · 0-95% humidity
Brackets	L · Z + L · U (sold separately)	
In the box	Lock body, armature plate, fixing screws, rubber washers, pins, sleeve nut and bolt, Allen key, paper template	

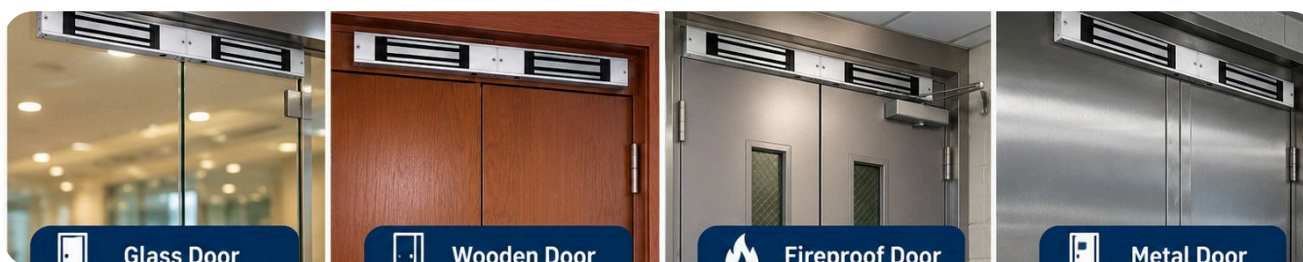
Heavy doors. Double doors.

EMSL-1202 brings 1200 lbs to a single heavy door. EMDL-1202 locks a pair of doors with two magnets in one body, one armature plate for each leaf.



EMSL - 1202 · SINGLE LEAF EMDL - 1202 · DOUBLE LEAF

Holding force	1200 lbs	1200 lbs total (about 280 kg × 2)
Doors	One heavy single door	Double swing doors
Supply voltage	On request	12 V DC
Wiring	On request	2 - wire
Operation	Fail-safe: power on to lock, power off to release	
Body	On request	Aluminium alloy, hard anodised
Lock size	On request	500 × 48.5 × 26.5 mm
Armature plates	On request	2 × 180 × 38 × 11.55 mm
Indicator	On request	LED status lights
Suitable for	On request	Wooden, metal, glass and fireproof double doors



Compact strength.

Smaller locks for lighter doors and panels, with a feedback version at 300 lbs for monitored doors.

EM-102

100 lbs

About 45 kg holding force.
For swing doors, sliding doors
and gates.

Standard

EM-302

300 lbs

Reliable electromagnetic
locking for medium-duty
doors.

Standard

EM-305

300 lbs

The same holding force with a
status signal for security
monitoring.

With feedback

	EM - 102	EM - 302	EM - 305
Holding force	100 lbs (about 45 kg)	300 lbs	300 lbs
Lock - status feedback	Standard	Standard	Yes
Supply voltage	12 / 24 V DC	On request	On request
Operation	Fail - safe: power on to lock, power off to release		
Size, current, plate	On request	On request	On request

On request means the value is not yet published for that model. Ask us and we will confirm it before you order.

What lock-status feedback does

A feedback lock has an extra signal output that tells your alarm panel or access controller whether the door is properly locked. Standard models simply lock and release. Both work with the same power supply, exit button and reader.

A bracket for every door.

The bracket depends on which way the door opens and what it is made of. Brackets are sold separately.

**BRL-EM**

L bracket

Holds the lock on the wall or frame face when there is no flat header to fix it under.

**BRZ-EM + BRL-EM · Set CN252**

Z + L bracket

For doors that open towards the lock. L on the frame face, Z on the door face holding the plate.

**BRUG-EM**

U bracket

For frameless glass doors. Clamps over the glass edge with an insert plate. No drilling in the glass.

L BRACKET ·
BRL - EM

Z + L SET · CN252

U BRACKET · BRUG - EM

For locks	600 lbs series	600 lbs series	600 lbs series
Door	In-swing or out-swing	Opens towards the lock	Frameless glass
Size	250 × 48 × 30 mm	On request	On request
Material, finish	Zinc, anodised	On request	Aluminium alloy, sandblasted
Weight	0.242 kg	On request	On request
In the set	1 L bracket	1 Z bracket + 1 L bracket	U bracket, rubber pad, insert plate, bolt, set screws, Allen key



Which bracket?

Opens away from the lock	No bracket
Opens towards the lock	Z + L
Frameless glass door	U bracket
No flat header above	L bracket

BEFORE YOU ORDER

Build the complete door.

An EM lock works with four other parts. We supply all of them, as single items or as ready kits.

- | | |
|--|--|
| 1 EM lock
Holding force, leaf and feedback to suit the door. | 2 Bracket
None, Z + L, U or L, depending on how the door opens. |
| 3 Power supply
A 12 V DC supply matched to the lock. | 4 Reader and exit button
Fingerprint, card, PIN or remote outside; exit button inside. |



EM lock with Z + L bracket on a door that opens towards the lock.

NAVKAR SYSTEMS

navkarsys.com

Send us a photo of your door and we will help you choose the right lock and bracket. All prices include GST.

Specifications as published by NavKar Systems for each model and subject to change. "On request" values are confirmed before order. Pictures are for illustration. Installation by a trained technician is recommended.