



Before installing the gate opener, ensure that the gate is opening smoothly. Determine the dimensions based on the opening angle provided in Table 1 (below) to confirm the position where the post bracket will be mounted. Ensure that all the required cables (power cable, accessory cables etc) are prepared and laid correctly.

NOTE: All crushing points must be secured by suitable entrapment protection devices as per the requirements in AS/NZS 60335.2.103. It is the responsibility of the installer to ensure compliance of the final installation, and every installation must be checked for compliance by the installer.

PLANNING

Wind Load Rating for Swing Gate Operators

We do not have wind load ratings on our gate openers, as Chamberlain is not responsible for how gate installers design their gates.

Recommendations

- Do not use a solid leaf/panel gate in windy areas.
- Use a light weight picketed swing gate to minimize the wind force.
- The optional ELOCK-R can be installed to keep the gate securely shut.

NOTE - The E-LOCK for Rural Gates (ELOCK-R) does not function when the Swing LR 500 gate opener is powered by the optional Battery Backup (MGBBU). Manual release of the lock is required to open the gate if operated under Battery Backup power.

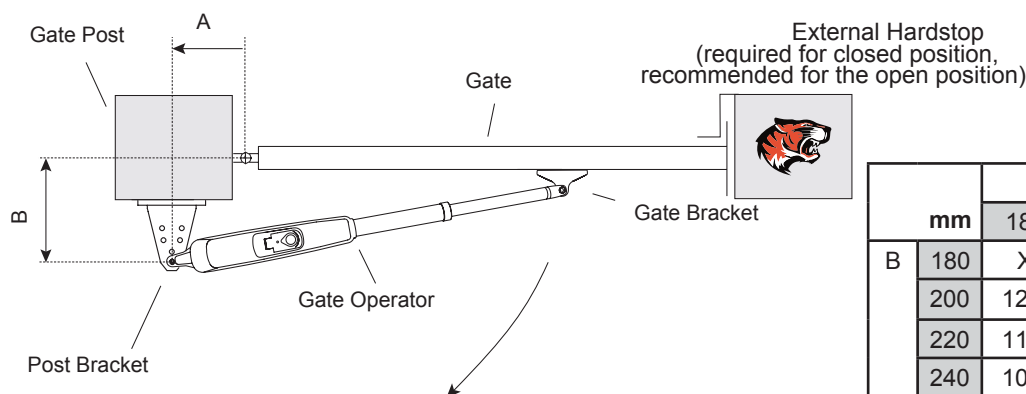
Alternative E-LOCKS which operate under Battery Backup Power: ELOCK-H (E-LOCK for Horizontal Installation) and ELOCK-V (E-LOCK for Vertical Installation).

- It may be needed to hold the gate(s) open or close, in windy applications.
- When selecting an opener, be sure to select the correct opener for the size of gate.
- Do not use any chains or ropes to keep that gate shut while the opener is in use.

Installation Recommendations

1. Use Table 1 below to determine the opening angle required and the appropriate A and B dimensions required.
2. For optimal mechanical advantage, A and B dimension shall be equal or close. The difference between A and B should be no greater than 460mm.
3. The ideal A & B sizes are 220 x 220

NOTE: Smaller A and B dimensions determine larger opening angle and an increase in gate speed. A longer gate will have a higher speed and force on the leading edge of the gate arm.



		Dimension A				
		mm	180	200	220	240
B	180	X	120°	110°	100°	90°
	200	120°	120°	110°	100°	90°
	220	110°	110°	110°	100°	X
	240	100°	110°	100°	90°	X
	260	90°	90°	90°	X	X

Note: The ideal A & B sizes are 220 x 220. If different sizes are used, the sum of A & B should not be greater than 460.

The unit should be installed in a suitable location to allow for connection with the power cables provided.