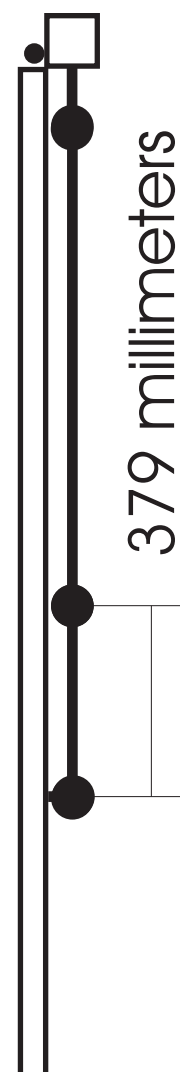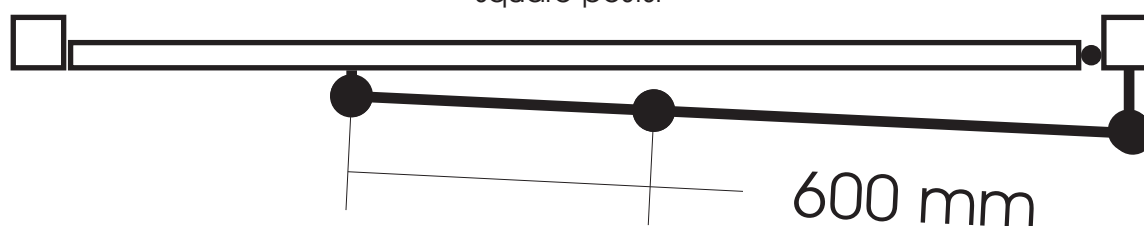# AUTOMATIC SOLUTIONS

This document is designed to be viewed as three pages. When each page is studied it demonstrates the relationship between bracket positioning and speed and control over a linear operator. Whilst we have used a specific motor here the same theory applies to all linear operators. The dimensions used here are for demonstration only and may not necessarily work well with any particular operator.
Remember that if you have difficulty swinging the gate with your operator in manual override mode then what chance does the motor have. Adjust your settings a little at a time until you get the desired setting.

EXAMPLE ONE

ASA600 Fully extended closed position. Standard brackets on 100 square posts.

600 mm

ASA600 Open 90 degrees position. Standard brackets on 100 square posts. Used only 221mm of available stroke and less than 15 seconds.
Not ideal particularly on a large gate as the very fast action gives no control and with no leverage at either open or closed position puts the operator under increased stress.
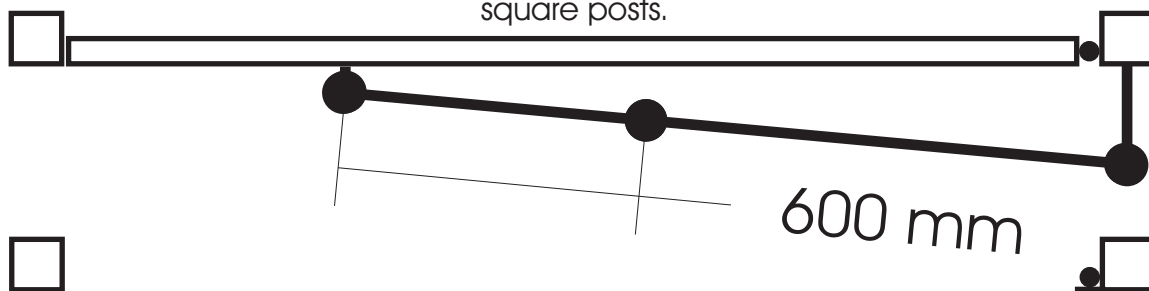
379 millimeters

AUTOMATIC SOLUTIONS

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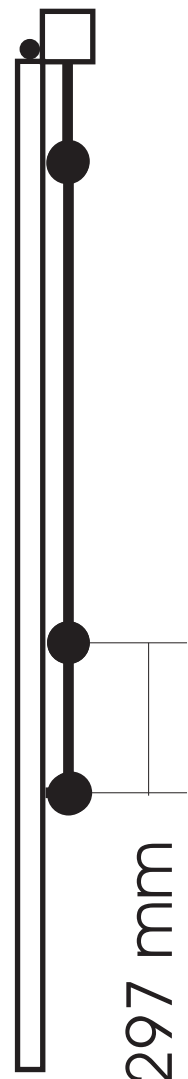
Remember that if you have difficulty swinging the gate with your operator in manual override mode then what chance does the motor have. Adjust your settings a little at a time until you get the desired setting.

EXAMPLE TWO

ASA600 Fully extended closed position. 200mm brackets on 100 square posts.

600 mm

ASA600 Open 90 degrees position. 200mm brackets on 100 square posts. Used 297mm of available stroke and less than 20 seconds. Better than example one giving more control and good leverage from the closed position.

297 mm

AUTOMATIC SOLUTIONS

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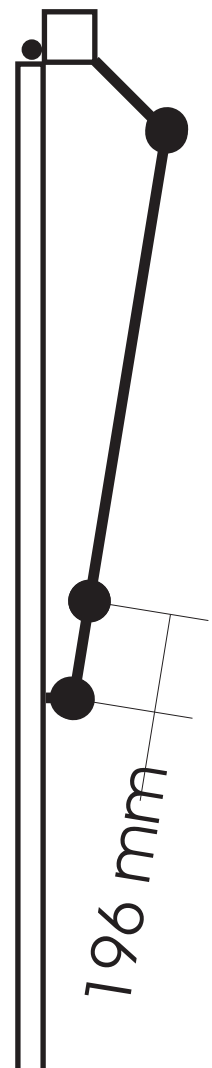
Remember that if you have difficulty swinging the gate with your operator in manual override mode then what chance does the motor have. Adjust your settings a little at a time until you get the desired setting.

EXAMPLE THREE
ASA600 Fully extended closed position. 200mm brackets on 100 square posts fitted at 45 degrees.

ASA600 Open 90 degrees position. 200mm brackets on 100 square posts at 45 degrees. Used 404mm of available stroke and more than 20 seconds. In this example the gate will take twice as long as example one but we have much more control and better leverage.

196 mm

AUTOMATIC SOLUTIONS

Swing gate bracket to opening position chart

B 100 110 120 130 140 150 160 170 180 190 200 210 220

A

100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290

90 DEGREES

120 - 130 DEGREES

110 - 120 DEGREES

100 - 110 DEGREES

90 DEGREES

A

B